

# **Reports**

SL1 version 11.1.0

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# Chapter

1

# **Introduction to Reports**

### Overview

This manual describes how to download information from SL1 in a report file. This manual is intended for users who need to create and manage reports in SL1.

There are two general types of reports in SL1: custom reports and embedded reports. This chapter contains an overview of each type of report.

Use the following menu options to navigate the SL1 user interface:

- To view a pop-out list of menu options, click the menu icon
- To view a page containing all the menu options, click the Advanced menu icon ( ··· ).

This chapter includes the following topics:

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# What is a Custom Report?

A *custom report* in SL1 provides you with a collection of data from one or more tables in the SL1 database. This information is populated and generated in different user-defined formats. You can select from default custom reports provided by ScienceLogic, edit these default reports, or create your own reports. You can also schedule reports, view a list of archived reports, and email reports to other users.

Custom reports include **Quick Reports**, which are custom report templates in SL1. Quick Reports are also called "ad hoc reports". You can access Quick Reports on the **Reports** page, in the **Run Report** category (Reports > Run Report). For more information, see **Generating Quick Reports**.

A report includes three components:

- An input form where you select the options and data you want to include in the report.
- An .ods output template that specifies the format of the generated report.
- **Gluecode**, the code that specifies how to handle your input, which data to retrieve, and any processing that needs to be performed on the data.

SL1 includes predefined reports, with defined forms, output templates, and the gluecode. These predefined reports can be modified, and you can create your own custom reports.

## What is an Embedded Report?

Several pages in SL1 allow you to generate an **embedded report**, which contains the information displayed in the page. Embedded reports cover the following elements:

- Devices
- Device Interfaces
- System Processes
- Windows Services
- Hardware Components
- Installed Software
- Organizations
- User Accounts
- Access Keys
- Tickets
- Asset Records
- Product Subscriptions
- Vendors

If a feature includes embedded reports, the SL1 page for that feature will include a **[Reports]** button. Also, the section in the documentation that covers that feature will include a description of the embedded reports for that feature. For example, the *Ticketing* manual includes descriptions of embedded reports that include information about tickets. Additionally, this section includes a description of all embedded reports in SL1.

The following sections include descriptions about embedded reports:

- Embedded Reports for Devices
- Embedded Reports for Organizations and Users
- Embedded Reports for Ticketing
- Embedded Reports for Assets, Products, and Vendors

# Chapter

2

# **Generating Quick Reports**

### Overview

The **Run Quick Report** page (Reports > Run Report) allows you to select and manually generate a custom report. You can choose the report to generate from the list of default custom reports in the SL1 system.

This list includes the default custom reports provided by ScienceLogic and any reports developed by you or another user in the SL1 system. Quick Reports allow you to quickly generate a spreadsheet or graphical report using the information you wish to view.

Use the following menu options to navigate the SL1 user interface:

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- To view a page containing all the menu options, click the Advanced menu icon ( ... ).

This chapter includes the following topics:

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# Generating a Quick Report

In the user interface for a report, users of type **Administrator** can view options and devices for **all organizations**. Users of type **User** can view only options and devices for organizations of which they are a member.

You can specify how many days SL1 will retain data from reports by going to the **Data Retention Settings** page (System > Settings > Data Retention) and adjusting the **Ad-hoc and Scheduled Reports** field. Possible values are 0 - 365, in days. If you use the default value of 0, SL1 will remove files older than 30 days from the populated directory: /opt/em7/gui/ap/www/em7/libs/od\_templates/populated.

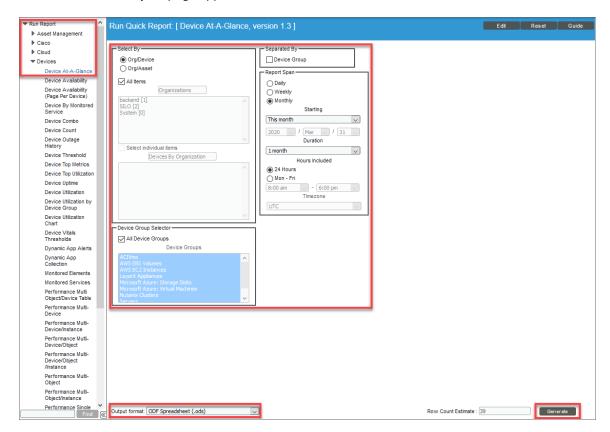
TIP: If you want to adjust the default timeout of 1800 seconds (30 minutes) for running a report, navigate to the **Run Report** page for that report from the **Reports** page () and click the [Edit] button. On the **Report Template Editor** modal page, update the *Timeout* value and click [Save].

**NOTE**: Quick Reports run on the current appliance (the appliance on which the report user is logged into) in a distributed SL1 stack.

WARNING: SL1 might not be able to generate reports that contain extremely large amounts of data. The amount of data that SL1 can process when generating a report is constrained by the configured memory limits of SL1. The upper limit of data is dependent on the number of rows, number of columns, and the size of each field. Each report will have different data limits. For example, the Interface Usage report is limited to 10,000 interfaces. For reports of a similar size, ScienceLogic recommends you test to ensure that the report generates correctly with the number of data points you require. If the report does not generate correctly, you will need to generate multiple smaller reports. You can use the Row Count Estimate field next to the [Generate] button to get an estimate of the number of rows that will appear in the report before SL1 generates it.

To generate a report on the Run Quick Report page:

- 1. Go to the **Reports** page ( $\blacksquare$ ) and expand the entry for **Run Report** (Reports > Run Report).
- 2. Expand the appropriate category, such as Asset Management or Devices, and select the report you want to run. The **Run Quick Report** page appears:



NOTE: Quick Reports are listed by category. For details on defining and editing categories, see the Report Categories section. If a Quick Report is not associated with a category, that Quick Report appears under the "Others" category. To assign or change a category for a Quick Report, edit the Category field in the Report Template Editor page (Reports > Management > Report Manager > create/edit).

3. Update the fields on the input form to specify the options and data to include in the report. For more information, see Filling Out Input Forms.
As you update the fields for this report, the Row Count Estimate field next to the [Generate] button is updated to provide an estimate of the number of rows that will appear in this report. You can use this field to manage the size of the generated report by adding or removing items from the report as needed. To disable the Row Count Estimate feature, de-select the Report Size Estimation option on the Behavior Settings page (System > Settings > Behavior). This feature is enabled by default. For more information about how to

edit the settings for this field, see "Creating a Report Template" in the **Report Development** manual.

**NOTE**: The following reports utilize the *Row Count Estimate* field: Device-At-A-Glance, Device Availability, Device Top Metrics, Device Top Utilization, Device Utilization, Interface In Use, Interface Top Metrics, Monitored Element, and PowerPack Information.

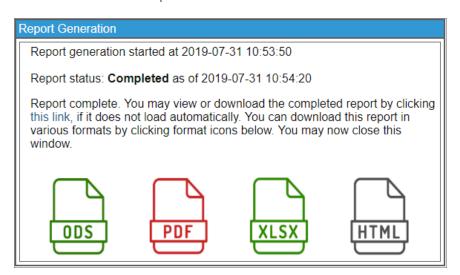
- 4. In the **Output Format** drop-down at the bottom of the page, select a format in which to generate the report. You can choose from Open Document Format (ODF) Spreadsheet (.ods), Microsoft Excel Spreadsheet (.xlsx), Adobe Acrobat Document (.pdf), or a Web Page (.html).
- 5. Click the **[Generate]** button. The **Report Generation** pop-up window appears with a message that a link to your report will be displayed when the report is created. The link will also be sent to the mailbox of the current user.

NOTE: You can opt to not receive an email with a link to a report by going to the Account

Preferences page (Preferences > Account > Preferences) and selecting No in the Ad-hoc

Report Email Preference field.

6. After the report is created, the **Report Generation** window displays a link to the report and icons that you can click to download the report in various formats:



7. Save the report in the format you prefer and close the pop-up windows.

**NOTE**: You can generate default custom reports using their default inputs, or you can edit the inputs to meet your business needs. To see a detailed description of each report, including a description and input and output options, see the section on **ScienceLogic Default Custom Reports**.

## Filling Out Input Forms

After you select the report to run, you must specify the input options. The input form lets you select the options and data to include in the report.

These options vary by report. However, the following input options appear for multiple default custom reports in SL1 and are available for use in custom reports:

- Organizations. Select the organizations that you want to include data for in the report. You can select all organizations, individual organizations, or a grouping of organizations. Organizations contain other entities, like users, devices, assets, and policies.
- **Select By**. You can select the specific entities you want to include data for in the report. These options include selecting by Org/Device, selecting by Org/Asset, and selecting by ESX Server/VM, among others.
- **Report Span**. Some reports provide input options that specify the time span that the data on the report should cover. These options include Daily, Weekly, or Monthly.
- **Device Categories**. Select the device categories of the devices you want to include in the report. You can select all device categories, individual device categories, or a grouping of device categories.
- Optional Columns. Provides a list of additional, optional information to include in the report.

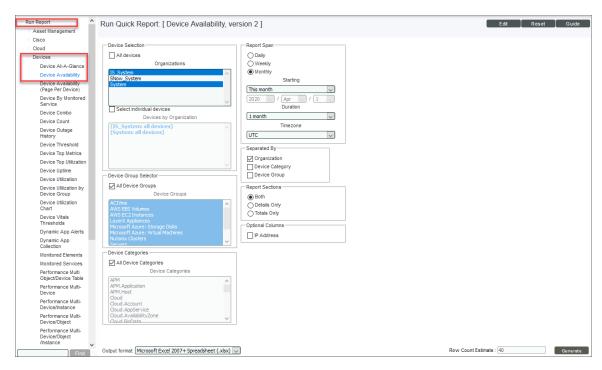
TIP: As you update the fields for this report, the **Row Count Estimate** field next to the **[Generate]** button is updated to provide an estimate of the number of rows that will appear in this report. You can use this field to manage the size of the generated report by adding or removing items from the report as needed. For more information about how to edit the settings for this field, see "Creating a Report Template" in the **Report Development** manual.

Filling Out Input Forms

## Quick Report Example

In this example we will select the Device Availability report and fill out its input form:

- 1. Go to the **Reports** page ( $\blacksquare$ ) and expand the entry for **Run Report** (Reports > Run Report).
- 2. Expand the **Devices** category, and select the Device Availability report. The input options for the Device Availability Quick Report appear:



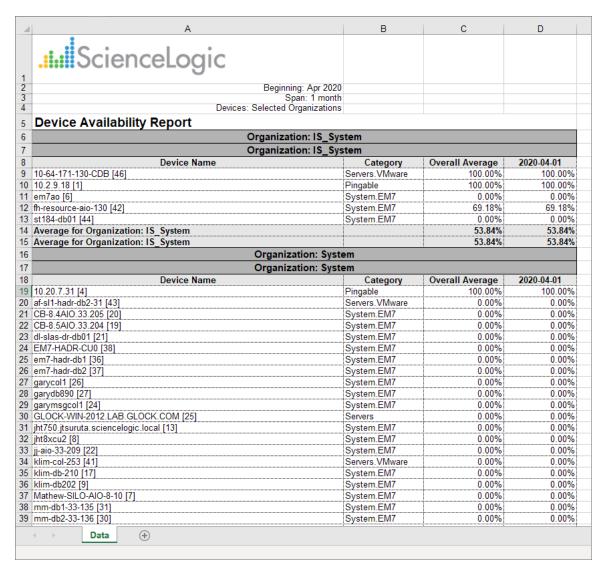
- 3. For this example, select the following options:
  - **Device Selection**. We did not select this checkbox. If this checkbox is selected, all devices in all organizations will be included in the report and will gray out the *Organizations* field. This checkbox is selected by default.
  - Organizations. We selected IS\_System and System. The report will include only information from
    devices in these two organizations. To select multiple organizations, press [Ctrl] while selecting the
    organizations.
  - Select individual devices. We want our report to include all devices in the organizations we selected
    above, so we did not select this checkbox. If we did select the checkbox, we could select individual
    devices for the report, grouped by organization.
  - **Devices by Organization**. This field is grayed out, since we did not check the Select individual devices checkbox.
  - **Device Group Selector**. By default, the *All Device Groups* checkbox is selected. If we wanted to include only devices in specific device groups, we could unselect this checkbox.

- **Device Categories**. By default, the All Device Categories checkbox is selected. If we wanted to include only devices in specific device categories, we could unselect this checkbox.
- **Report Span**. By default, Monthly is selected for the length of the report. We could also choose from Weekly and Daily report spans.
- **Starting**. By default, the current month is selected. From the drop-down list we could choose a specific month as the start date for the report. This field allows you to choose a start date that includes the current month and any month within the last 36 months. Selecting a different *Report Span* will change the options in this drop-down list.
- **Duration**. By default, 1 month is selected. We could select different durations for the report from the drop-down list, ranging from 1 month to 36 months.
- **Timezone**. By default, *UTC* is selected. We could select a different timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- **Separated By**. We selected Organization to separate the devices by the organization to which they belong. The other options are Device Category and Device Group.
- **Report Sections**. By default, Both is selected. We could select a different method for how the report will be arranged by specifying if you want the report to display Details Only or Totals Only.
- Optional Columns. By default, no optional columns are selected. We could select any available optional columns to display on the report.
- Output format. We selected Microsoft Excel 2007 + Spreadsheet (.xls). The report will be generated in an OpenDocument format. The options in the drop-down list appear in every custom report. The other options are: Web page (.html); ODF Spreadsheet (.ods); and Adobe Acrobat Document (.pdf).

**TIP**: As you update the fields for this report, the **Row Count Estimate** field next to the **[Generate]** button is updated to provide an estimate of the number of rows that will appear in this report. For this example, the estimated number of rows is 40.

Quick Report Example 14

4. Click the [Generate] button to create the report. SL1 creates the report as a Microsoft Excel spreadsheet, with a column for the **Device Name** and a column for the average **Device Availability**, in percent:



## Multi-Tenancy

Input and Output for Quick Reports complies with multi-tenancy. That is, only users of type **Administrator** can view options, devices, and policies for all devices. Users of type **User** can view options, devices, and policies for their own organization(s) only, both when selecting options and in the generated report.

15 Multi-Tenancy

# Controlling Access to Reports

To control who can open and download reports, perform the following steps:

- 1. Either go to the console of the Administration Portal or use SSH to access the server.
- 2. Log in as em7admin with the appropriate password.
- 3. Type the following at the command line:

```
sudo vi /etc/nginx/conf.d/em7ngx web ui.conf
```

4. Find the following line:

```
rewrite ^/em7/libs/od_templates/populated/(.+)$ /file_auth_
wrapper.em7?redirect=1&match_user=1? last;
```

where redirect=1&match user=1 is where the permissions can be changed.

- 5. To change the permissions, edit the following portion of the above line in one of the following ways:
  - redirect=0&match\_user=1. Allow only users who are logged in to EM7 and are the author of the report to open and download the report.
  - redirect=1&match\_user=0. If a user enters the URL of a report in a browser session and is not
    logged in to EM7, redirect the user to the EM7 login page. After login, the user can open and
    download the report.
  - redirect=1&match\_user=1. If a user enters the URL of a report in a browser session and is not logged in to EM7, redirect the users to the EM7 login page. After login, only the author of the report can open or download the report.
  - The default value is **redirect = 1&match\_user = 1**.

**NOTE**: You will need to make this change on every Database Server and Administration Portal appliance.

6. Save and quit the file (:wa)

# Chapter

3

# **Scheduling Custom Reports**

### Overview

You can schedule a custom report to be automatically generated by the SL1 system at a specific time, either once or on a recurring schedule. Scheduled reports can be automatically emailed to users, external contacts, or vendors.

Use the following menu options to navigate the SL1 user interface:

- To view a pop-out list of menu options, click the menu icon
- To view a page containing all the menu options, click the Advanced menu icon ( ··· ).

#### This chapter includes the following topics:

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## Viewing the List of Report Jobs

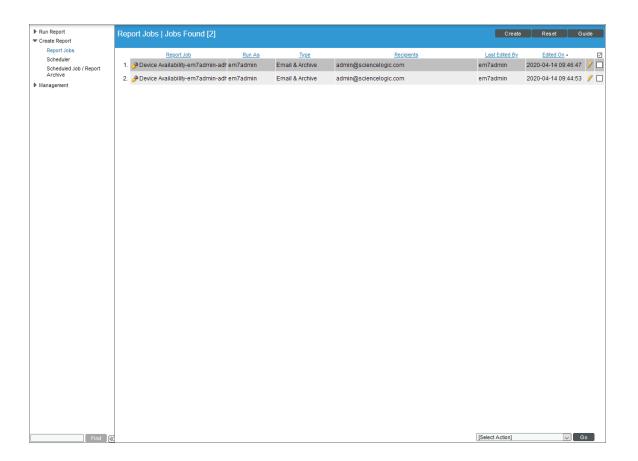
You can schedule a custom report to be automatically generated by the SL1 system at a specific time, either once or on a recurring schedule.

Scheduled reports can be automatically emailed to users, external contacts, or vendors.

To schedule a report, you must first define and store the parameters of a report, including to whom it will be delivered, in a **Report Job**. You can then schedule this Report Job (either a single instance or a recurring instance) from the **Report Scheduler** page.

After a report has been scheduled, you can view a list of upcoming Report Jobs on the **Scheduled Report Jobs** page. After a scheduled report has been generated, you can view a list of archived scheduled reports on the **Scheduled Report Archive** page.

The **Report Jobs** page (Reports > Create Report > Report Jobs) displays the following about each report job:



**TIP**: To sort the list of report jobs, click on a column heading. The list will be sorted by the column value, in ascending order. To sort by descending order, click the column heading again. The **Edited On** column sorts by descending order on the first click; to sort by ascending order, click the column heading again.

- Report Job. Name of the report job.
- **Run As**. The user associated with the report. When a scheduled report uses this report job, the report will generate as if the Run As User was running the report.
- Type. Specifies how the report will be delivered. Choices are Email & Archive or Archive.
- Recipients. The users and external contacts who will receive the report.
- Last Edited By. The user who created or last edited the report job.
- Edited On. Date the report job was lasted edited or created.

# Creating a Report Job

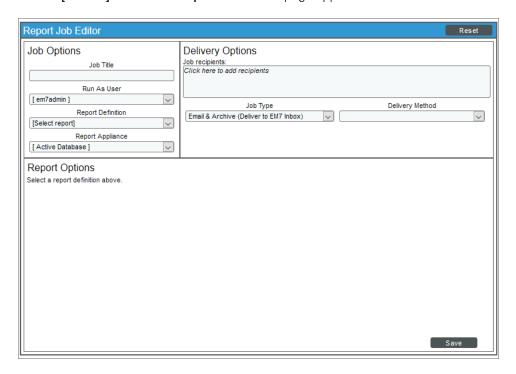
You can define a report job in the **Report Jobs** page (Reports > Create Report > Report Jobs). From this page, you can create a report job, run the report job, edit the report job, or delete the report job.

To create a report job:

1. On the **Reports** page (), expand the entry for **Create Report** and select Report Jobs. The **Report Jobs** page appears.

Creating a Report Job

2. Click the [Create] button. The Report Job Editor page appears:



- 3. The **Report Job Editor** page contains fields where you can select the parameters of the report job. The fields are:
  - Job Title. Specify a title of up to 220 characters for the report job.
  - Run as User. Specify the type of user to run the report as. When a scheduled report uses this report job, the report generates as if the Run As User was running the report. This field is useful when a system administrator, who can access all entities in all organizations, is configuring a report job for a regular user, who is allowed to access only entities aligned with the regular user's organizations. Two access hooks affect the behavior of the Run As User field:
    - Run As Org User. If this Access Hook is included in an Access Key that is aligned with your
      account, the Run As User field will contain a list of users with the same primary organization
      as your own. You can select one of these users to align with the generated report.
    - Run As Any User. If this Access Hook is included in an Access Key that is aligned with your
      account, you will be able to schedule report jobs as any user. The Run As User field will
      contain a list of all users. You can select one of these users to align with the generated report.

NOTE: If your user account does not include either of these Access Hooks, you can schedule report jobs only as yourself. The *Run As User* field will not appear in the *Report Job Editor* page. For more information on organization restrictions, see the *Access Permissions* manual.

20 Creating a Report Job

Report Definition. Select a report from the list of all reports defined in the Report Management page. Only report definitions to which you are allowed access will appear in this field. For more information on selecting input options, see the Filling Out Input Forms section in Generating Quick Reports. When you select the report, the Report Options section for that specific report appears at the bottom of the Report Job Editor page.

NOTE: Report definitions are listed by category. For details on defining and editing categories, see *Report Categories*. If a report definition is not associated with a category, that report definition appears under the "Other" category. To assign or change a category for a report definition, edit the *Category* field in the *Report Template Editor* page (Reports > Management > Report Manager > create/edit).

- **Report Appliance**. Select the appliance on which to run the report, if more than one appliance is available. By default the current appliance is selected. If you select "Active Database", SL1 locates the active database server at run time and will execute the report on that database server.
- Job Recipients. Specifies the recipients for the report. Clicking in this field displays the Add
  Recipients modal page, where you can select users, external contacts, and vendor contacts to
  include in the Job Recipients field. To learn how to add job recipients to the report job, see Step 4,
  below.
- **Job Type**. Specifies how the generated report will be delivered. Choices are:
  - Email & Archive. Report is emailed to the specified email address (in the Email To field) and also archived on the server
  - o Archive. Report is stored on the server.
- **Delivery Method**. Specifies the method of delivery and the output format (if applicable) for the report. Choices are:
  - · Inline (HTML). The generated report will be sent to the selected users in the body of an Email.
  - Attachment. The generated report will be sent to the selected users as an attachment to an Email. To select this option, select one of the output formats in the **Attachment** section of the drop-down list.
  - Link to EM7. The generated report will be made available via a direct URL. The link will be sent
    to the selected users in an email. To select this option, select one of the output formats in the
    Link to EM7 section of the drop-down list.

For the **Attachment** and **Link to EM7** options, the following output formats are available:

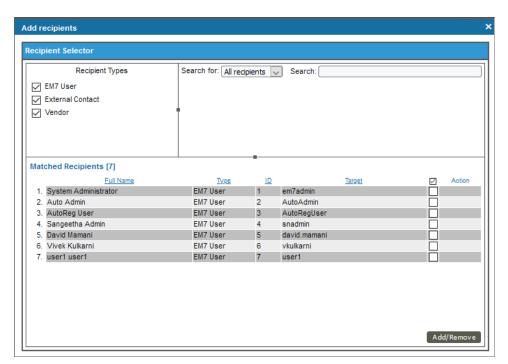
- Adobe Acrobat Document (.pdf)
- Web page (.html)
- Microsoft Excel 2007 + Spreadsheet (.xlsx)

Creating a Report Job 21

Open Document Format (ODF) Spreadsheet (.ods)

NOTE: The options that can be selected in the *Delivery Method* field are defined in the *Delivery Method* field in the *Report Template Editor* page for the selected report.

- Report Options. The interface for the selected report appears in this pane. Select the options you
  want included in the automatically generated report. These options are limited by the Access Keys
  aligned with your account and the organization memberships aligned with your account.
- 4. You can add recipients to a report in the **Add Recipients** modal page. The **Add Recipients** modal page allows you to select users, external contacts, and vendor contacts to include in the "To" field of the **Job** recipients field:



- 5. The options in the **Add Recipients** modal page are:
  - **Recipient Types**. Displays checkboxes for EM7 User, External Contact, and Vendor. If a checkbox is selected, the users in the selected contact group will appear in the Matched Recipients field.
  - **Search For**. Select *All recipients*, Organization, Product, or Ticket Queue. The **Matched Recipients** field will display only users in the specified group.
  - Search. Enter the name of the user, external contact, or vendor you are searching for.
  - Matched Recipients. Displays the possible recipients based on the criteria you specified in the Recipient Types and/or Search For and/or Search fields.

- 6. To add a user, external contact, or vendor as a job recipient, select its checkbox. To select all users displayed in the *Matched Recipients* field, select the checkbox next to the *Action* heading.
- 7. Click the [Add/Remove] button to add the selected users. To remove users as job recipients, de-select users by removing the check mark and then clicking the [Add/Remove] button.
- 8. On the **Report Jobs** page, click the **[Save]** button. The new report job will appear in the list of report jobs in the **Report Jobs** page.

### Running a Report Job

After you save a report job, it will appear in the **Report Jobs** page. You can run the report job immediately from this page.

You can specify how many days SL1 will retain data from reports by going to the **Data Retention Settings** page (System > Settings > Data Retention) and adjusting the **Ad-hoc and Scheduled Reports** field. Possible values are 0 - 365, in days. If you use the default value of 0, SL1 will remove files older than 30 days from the populated directory: /opt/em7/gui/ap/www/em7/libs/od\_templates/populated.

TIP: If you want to adjust the default timeout of 1800 seconds (30 minutes) for running a report, navigate to the Run Report page for that report from the Reports page (1) and click the [Edit] button. On the Report Template Editor modal page, update the Timeout value and click [Save].

**TIP**: You might find it helpful to immediately run the report job to test the parameters you selected and verify that the report is delivered correctly.

**WARNING:** To avoid potential "504 Gateway Timeout" errors, ScienceLogic recommends that you only run a report job with a schedule, instead of using the lightning bolt icon ( ) to run the report job on an ad-hoc basis. ScienceLogic recommends you run the report from the list of reports in the *Run Report* entry on the **Reports** page.

#### To run a report job:

On the Reports page (), expand the entry for Create Report and select Report Jobs. The Report Jobs page appears.

Running a Report Job 23

2. Find the report job you want to run and click its lightning bolt icon ( ). The **Report Generation** pop-up window appears with a message that a link to your report will be displayed when the report is created. The link will also be sent to the mailbox of the current user.

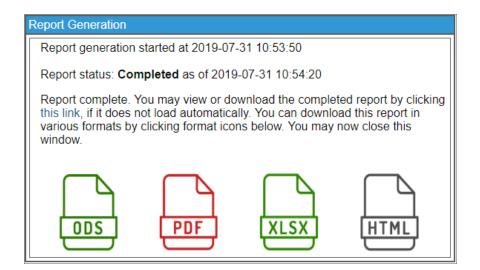
**WARNING:** To avoid potential timeout errors, ScienceLogic recommends that you use this option sparingly.

NOTE: You can opt to not receive an email with a link to a report by going to the Account

Preferences page (Preferences > Account > Preferences) and selecting No in the Ad-hoc

Report Email Preference field.

4. After the report is created, the **Report Generation** window displays a link to the report and icons that you can click to download the report in various formats:



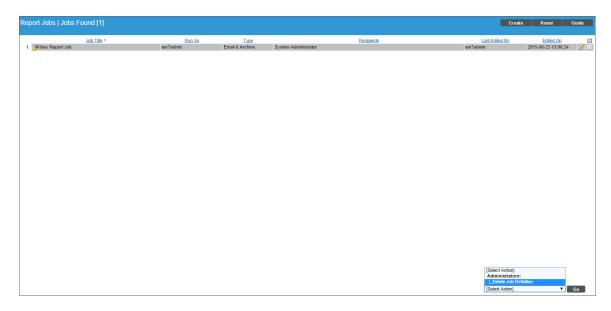
### Deleting a Report Job

After you save a report job, it will appear in the **Report Jobs** page. You can delete the report job from this page if necessary.

To delete a report job:

- On the Reports page (), expand the entry for Create Report and select Report Jobs. The Report Jobs page appears.
- 2. Find the report job you want to delete and select its checkbox.

3. In the **Select Action** drop-down list at the bottom right of the page, select *Delete Job Definition*:



4. Click the **[Go]** button. The report job will be deleted from SL1.

# Scheduling a Report Job

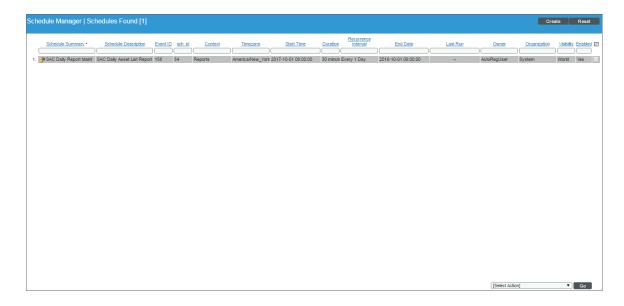
After a report job has been created, you can schedule the report to run automatically on the report **Schedule**Manager page (Reports > Create Report > Scheduler). Scheduled reports are automatically generated by SL1 once, at a specified time, or at specified regular intervals. You can select the day and time the report job runs or the recurrence of the report job, if necessary, and save these parameters to view, edit, enable or disable, or delete later.

NOTE: You can also view and manage all scheduled processes from the **Schedule Manager** page (Registry > Schedules > Schedule Manager). For more information, see the **System Administration** manual.

Scheduling a Report Job

### Viewing the Schedule Manager

The **Schedule Manager** page (Reports > Create Report > Scheduler) displays the following information about each scheduled or recurring report:



- Schedule Summary. Displays the name assigned to the scheduled process.
- Schedule Description. Displays a description of the scheduled process.
- **Event ID**. Displays a unique, numeric ID for the scheduled process. SL1 automatically creates this ID for each scheduled process.
- sch id. Displays a unique, numeric ID for the schedule. SL1 automatically creates this ID for each schedule.
- Context. Displays the area of SL1 upon which the schedule works.
- Timezone. Displays the time zone associated with the scheduled process.
- Start Time. Displays the date and time at which the scheduled process will begin.
- **Duration**. Displays the duration, in minutes, which the scheduled process occurs.
- Recurrence Interval. If applicable, displays the interval at which the scheduled process recurs.
- End Date. If applicable, displays the date and time on which the scheduled process will recur.
- Last Run. If applicable, displays the date and time the scheduled process most recently ran.
- Owner. Displays the username of the owner of the scheduled process.
- Organization. Displays the organization to which the scheduled process is assigned.
- *Visibility*. Displays the visibility level for the scheduled process. Possible values are "Private", "Organization", or "World".
- Enabled. Specifies if the scheduled process is enabled. Possible values are "Yes" or "No".

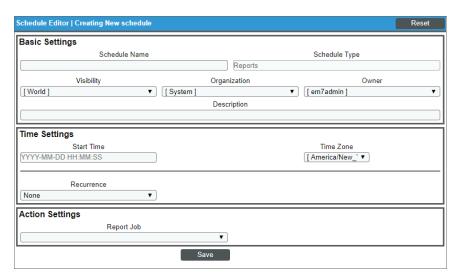
To edit a scheduled or recurring report, click its wrench icon ( ) and update the report as needed on the **Schedule Editor** modal page. For more information, see the following topic.

### Defining a Scheduled or Recurring Report

You can schedule a report in SL1 from the **Schedule Manager** page. SL1 will automatically create the report at the scheduled time.

To add a scheduled or recurring report to the calendar:

- On the Reports page (), expand the entry for Create Report and select Scheduler. The Schedule
   Manager page appears.
- 2. Click [Create]. The Schedule Editor page appears:



3. On the **Schedule Editor** modal page, enter values in the following fields:

#### **Basic Settings**

- Schedule Name. Type a name for the scheduled process.
- Schedule Type. Indicates the scheduled process type (such as Tickets, Reports, or Devices).
- Visibility. Select the visibility for the scheduled process. You can select one of the following:
  - Private. The scheduled process is visible only to the owner selected in the **Owner** field.
  - Organization. The scheduled process is visible only to the organization selected in the Organization field.
  - World. The scheduled process is visible to all users.

Scheduling a Report Job 27

- Organization. Select the organization to which you want to assign the scheduled process.
- Owner. Select the owner of the scheduled process. The default value is the username of the user who
  created the scheduled process.
- **Description**. Type a description of the scheduled process.

#### Time Settings

- Start Time. Click in the field and select the date and time you want the scheduled process to start.
- Time Zone. Select the region or time zone for the scheduled start time.

**NOTE:** If you want SL1 to automatically adjust for daylight savings time (if applicable), then you must select a named region (such as *America/New York*) in the *Time Zone* field. If you select a specific time zone (such as *EST*) or a specific time offset (such as *GMT-5*), then SL1 will not automatically adjust for daylight savings time.

- **Recurrence**. Select whether you want the scheduled process to occur once or on a recurring basis. You can select one of the following:
  - None. The scheduled process occurs only once.
  - By Interval. The scheduled process recurs at a specific interval.
  - Every Xth day of the Week. The scheduled process occurs at a monthly interval based on a day of the week. The day of the week displayed in this option matched the day selected in the Start Time field. For example, if you set the Start Time to Thursday, August 5th and that day is the first Thursday of the month, then the recurrence option will be Every 1st Thursday, and the scheduled process will occur monthly on the first Thursday of the month.

If you select By Interval, the following additional fields appear:

- Interval. In the first field, enter a number representing the frequency of the scheduled process, then select the time interval in the second field. Choices are Minutes, Hours, Days, Weeks, or Months. For example:
  - If you specify "6 Hours", then the scheduled process recurs every six hours from the time listed in the Start Date field.
  - If you specify "10 Days", then the scheduled process recurs every 10 days from the date listed in the
     Start Date field.
  - If you specify "2 Weeks", then the scheduled process recurs every two weeks, on the same day of the week as the Start Date.
  - If you specify "3 Months" the ticket recurs every three months, on the same day of the month as the Start Date.

- **Recur Until**. Specifies when the scheduled process stops recurring. You can select one of the following:
  - No Limit. The scheduled process recurs indefinitely until it is disabled.
  - Specified Date. The scheduled process recurs until a specific date and time. If you select Specified Date, you must enter a date and time in the Last Recurrence field.
- Last Recurrence. Click in the field and select the date and time you want the scheduled process to stop recurring.

#### **Action Settings**

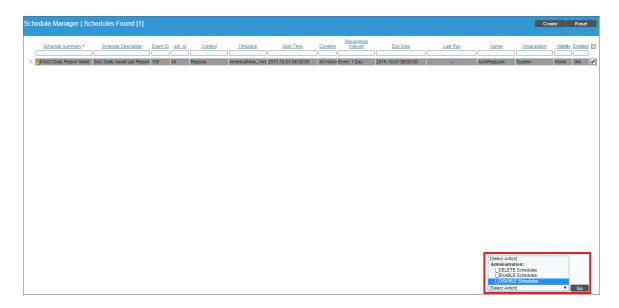
- **Report Job**. Select the report job to generate the report. This drop-down includes all created report jobs in the system.
- 4. Click [Save].

### Enabling or Disabling One or More Scheduled Reports

You can disable one or more scheduled or recurring reports from the **Schedule Manager** page (Registry > Ticketing > Scheduler). If you previously disabled a scheduled or recurring report, you can start it again by enabling that report.

To disable or enable a scheduled or recurring report:

On the Reports page (), expand the entry for Create Report, and select Scheduler. The Schedule
 Manager page appears:



- 2. Select the checkbox icon for each scheduled process you want to enable or disable.
- 3. Click the **Select Action** menu and choose Enable Schedules or Disable Schedules.

Scheduling a Report Job 29

4. Click the [Go] button.

**TIP**: You can also delete one or more scheduled or recurring reports by using the *Delete Schedules* option on from the **Select Action** menu.

## Viewing Upcoming and Archived Scheduled Report Jobs

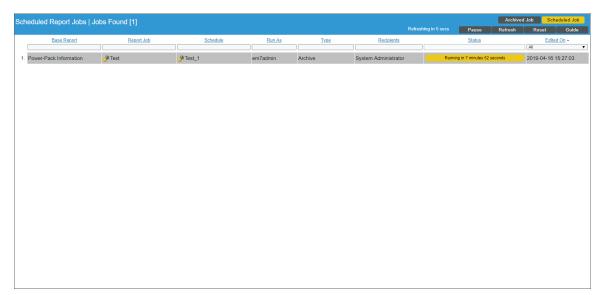
The **Scheduled Report Jobs** page (Report > Create Report > Scheduled Job / Report Archive) displays a list of all upcoming instances of scheduled report jobs. For example, if you schedule a PowerPack Information report to run once a day, the **Scheduled Report Jobs** page will display the PowerPack Information scheduled report job and its current status. This page automatically refreshes at a set interval; the default interval is 10 seconds.

**NOTE**: In the silo.conf file, the *auto\_page\_refresh* setting under [ADHOC\_REPORT\_IN\_BATCH] defines the interval at which this page refreshes, as well as other settings for ad hoc batch reports. For more information about updating the silo.conf file, see the **System Administration** manual.

From the Scheduled Report Jobs page, you can also access the Scheduled Report Archive page by clicking the [Archived Job] button in the top right corner of the page. (You can click the [Scheduled Job] button to return to the Scheduled Report Jobs page.) The Scheduled Report Archive page displays a list of all past report jobs. For example, if you schedule a Device Availability report to run once every hour, the Scheduled Report Archive page will display each of the Device Availability reports that have already run.

To view a report from the **Scheduled Report Jobs** page:

On the Reports page (), expand the entry for Create Report and select Scheduled Job / Report Archive.
 The Scheduled Report Jobs page appears:

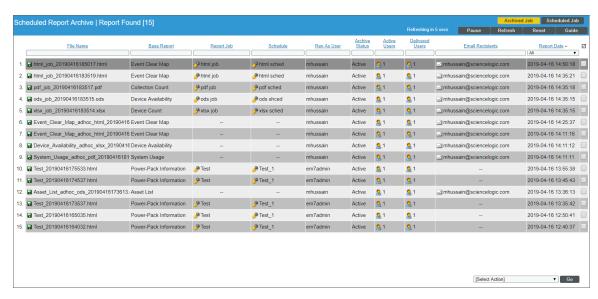


- 2. Click the [Scheduled Job] button in the top-right corner of the page. For each scheduled report job, the Scheduled Report Jobs page displays the following information:
  - Base Report. Name of the Custom Report used in the Report Job.
  - **Report Job**. Name of the Report Job that was used to generate the report. To edit the Report Job, click its wrench icon ( ).
  - Schedule. Name assigned to the scheduled process. To edit the schedule, click its wrench icon ( ).
  - Run As. Name of the SL1 user who created the scheduled report.
  - Type. Specifies how the report will be delivered. Choices are Email & Archive or Archive.
  - Recipients. The SL1 users and/or external contacts who will receive the report.
  - **Status**. The run-time status of the scheduled report. If the scheduled report is a recurring report and it fails, the fail count per day will appear in parenthesis. Hovering over the *Failed* status will display the reason for the failure.
  - Edited On. Date on which the report job was created or last edited.

**TIP:** To sort the list of report jobs, click a column heading. The list will be sorted by the column value, in ascending order. To sort by descending order, click the column heading again.

#### To view a report from the **Scheduled Report Archive** page:

- 1. On the **Reports** page (), expand the entry for **Create Report** and select Scheduled Job / Report Archive. The **Scheduled Report Jobs** page appears.
- Click the [Archived Job] button in the top-right corner of the page. The Scheduled Report Archive page appears:



For each archived report, the **Scheduled Report Archive** page displays the following information:

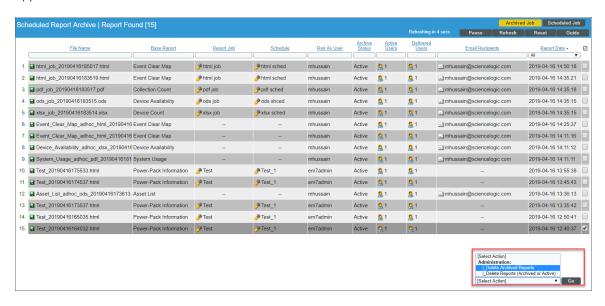
- *File Name*. Name of the report instance. This name is a combination of the name of the Report Job used to generate the report, plus the date and time the report was generated. To download the report, select its disk icon ( ).
- **Report Job**. Name of the Report Job that was used to generate the report. To edit the Report Job, click its wrench icon ( ).
- Base Report. Name of the Custom Report used in the Report Job.
- Ran As User. Name of the user who created the Scheduled Report.
- Archive Status. Specifies if the report is active or archived.
- **Delivered Users**. Number of users to whom a copy of this instance of the report was delivered. To see a list of users this report was delivered to, click the user icon (\begin{cases} \begin{cases} \begin{cases
- *Email Recipients*. List of Email addresses to which a copy of this instance of the report was Emailed. To see a full list of Email addresses, click the mail icon ().
- Report Date. Date and time the report was generated by SL1.

## Deleting an Archived Report

You can delete one or more archived scheduled reports from the **Scheduled Report Archive** page. This is useful for system administrators who might need to conserve disk space on their SL1 system.

To delete one or more archived reports:

- 1. On the **Reports** page ( ), expand the entry for **Create Report** and select Schedule Job / Report Archive.
- 2. Click the [Archived Job] button in the top-right corner of the page. The Scheduled Report Archive page appears:



3. Find the instance of a scheduled report you want to delete and select its checkbox (☑). If you want to delete multiple instances, select multiple checkboxes.

- 4. In the **Select Action** field in the lower right of the page, select one of the two options:
  - **Delete Archived Reports**. Deletes the selected report instances only if every user the report was delivered to has deleted the report from their Inbox. If you try to apply this option to a report instance that has an Archived Status of "Active", SL1 will not delete the report instance.
  - **Delete Reports (Archived or Active)**. Deletes the selected report instances, regardless of whether the report is still in the Inbox for one or more users.

NOTE: Each of the options in the *Select Action* field is aligned with an Access Hook, to provide granular permissions for managing reports. *Delete Archived Reports* requires the Access Hook "Reports: Archive:Prune Archived". *Delete Reports (Archived or Active)* requires the Access Hook "Reports:Archive:Delete".

# Chapter

4

# **Report Development**

### Overview

This chapter provides an overview of how to create and manage custom reports in SL1. For comprehensive instructions about creating and managing custom reports, see the **Report Development** manual.

Use the following menu options to navigate the SL1 user interface:

- To view a pop-out list of menu options, click the menu icon
- To view a page containing all the menu options, click the Advanced menu icon ( ··· ).

This chapter contains the following topics:

Introduction to Report Development	35
Report Input Forms	35
Gluecode	36
Report Output Templates	36

## Introduction to Report Development

In the Management section of the **Reports** page (Reports > Management), you can edit and create custom reports. The reports you create will appear in the list of Quick Reports when running a quick report or Report Definitions when creating a report job; you can edit an existing report to change the input options and output of the report.

Reports include the following:

- An input form where you select options and data to include in the report. This is defined in the **Report Input** Forms page.
- The code that specifies which input form to use, how to handle the user's input, which data to retrieve, and
  which output template to use to generate the report. This is defined in the Report Template Editor modal
  page.
- An output template, an .odt file that specifies the format of the generated report. This .odt file must be imported into the Report Output Templates page.

SL1 includes many predefined reports, with pre-defined input forms, output templates, and the code that populates and generates the report.

**NOTE**: You can customize the banner logo that appears in each generated report. For details, see the *Customizing User Experience* manual.

For comprehensive instructions about creating and managing custom reports, see the **Report Development** manual.

## Report Input Forms

An *input form* defines the user interface for a report. The user interface for a report allows the user to select options and data to include in the report. The **Report Input Forms** page (Reports > Management > Report Input Forms) displays a list of the input forms in your SL1 system. You can edit these input forms for your business needs, or you can create your own input forms for your reports.

An input form includes one or more components. You can include the following types of input components in an input form:

- **Static Layout Component**. Provides containers for laying out the user interface, labels, and text boxes. For example, you can use these components to keep fields together in a horizontal group.
- Form Input Component. Allows the user to specify inputs when generating an instance of the report. For example, checkboxes and drop-down fields.

- **Data Component**. Allows you to include dynamic elements in the user interface for a report. These dynamic elements can retrieve data from the database and alter input items based on criteria, including formulas and switch statements. For example, if you select the checkbox **Select individual devices**, the Devices by Organization field displays a list of devices. This behavior is defined with Data Components.
- Custom Report Components. Allows you to define a common combination of input elements and then use that combination of input elements in multiple report input forms, without having to construct each combination of input elements in each input form. For example, the Organization Selector (a default Custom Report Component included with SL1) provides options to select either the All Organization checkbox or to select from the list of Organizations.

### Gluecode

Gluecode is PHP code that is executed by the report engine when the report is generated. The gluecode must:

- Process the inputs from the Input Form.
- Make queries to the database or use other methods to gather the required data.
- Format the data so it can be populated into the Output Template.

You can add and edit gluecode on the **Report Management** page (Reports > Management > Report Manager).

## Report Output Templates

An **Output Template** is an Open Office Spreadsheet file (.ods file) that defines the formatting and table structure for the generated report. When developing a report, you can includes **output directives** in the report template to tell the report engine which data from the gluecode to include in the report and where to place each output in the final report.

Each default custom report has an associated output template that can be edited. You can also create your own output template and upload it to the **Report Output Templates** page (Reports > Management > Report Output Templates).

**CAUTION:** When creating or editing a report output template, do not use spaces in the template name.

Gluecode 36

# Chapter

5

# **Report Categories**

### Overview

This chapter defines report categories and how to manage those categories.

Use the following menu options to navigate the SL1 user interface:

- To view a pop-out list of menu options, click the menu icon
- To view a page containing all the menu options, click the Advanced menu icon ( ··· ).

This chapter includes the following topics:

Managing Categories	38
Adding a Category	39
Editing a Category	40
Deleting a Category	41
Categorizing a Report	41

### Managing Categories

Classic dashboards, widgets, and custom reports can be associated with one or more categories. Categories are used to arrange the following lists:

- For dashboards, categories are used to arrange the dashboard selection drop-down list on the **Dashboards** page.
- For widgets, categories are used to arrange the left NavBar on the Widget Configuration modal page.
- For custom reports, categories are used to arrange the report selection drop-down list in the **Run Quick Report** page and the report definition drop-down list on the **Report Job Editor** page.

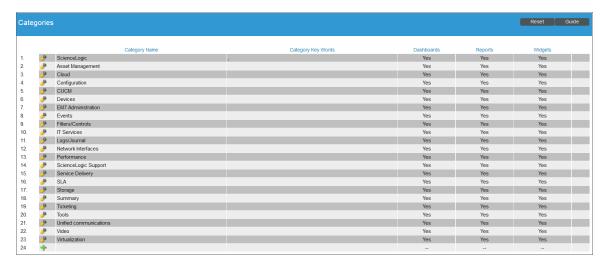
If a dashboard, widget, or custom report is not associated with a category, that dashboard, widget, or custom report appears in the appropriate list under the "Other" category.

A dashboard, widget, or custom report can be associated with multiple categories. If a dashboard, widget, or custom report is associated with multiple categories, that dashboard, widget, or custom report appears in the appropriate list multiple times, once under each category the dashboard, widget, or custom report is associated with.

You can view, add, edit, and delete categories on the Categories page (System > Customize > Categories).

To view the list of categories, perform the following steps:

1. Go to the **Categories** page (System > Customize > Categories).



- 2. The **Categories** page displays the following information about each category:
  - Category Name. The name of the category. This name is used when the category appears as a section heading in a list of items.

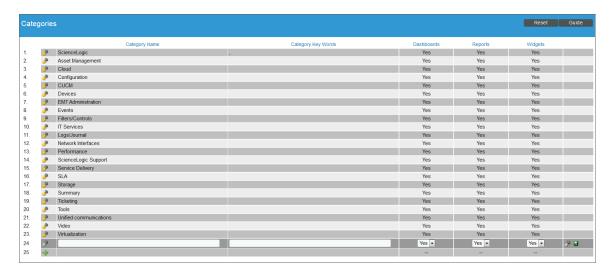
38 Managing Categories

- Category Key Words. A comma-delimited list of keywords associated with the category. These keywords are used to match search terms when a user searches a list of items that is arranged by category.
- **Dashboards**. Indicates whether the category can be associated with dashboards. This field will display either Yes or No.
- **Reports**. Indicates whether the category can be associated with custom reports. This field will display either Yes or No.
- **Widgets**. Indicates whether the category can be associated with widget definitions. This field will display either Yes or No.

### Adding a Category

To add a category:

1. On the **Categories** page (System > Customize > Categories), click the add icon (\*) in the bottom row of the table. A new row is created:



- 2. Update the following fields in the new row:
  - Category Name. Enter a name for the category. This name is used when the category appears as a section heading in a list of items.
  - Category Key Words. Enter a comma-delimited list of keywords associated with the category. These keywords are used to match search terms when a user searches a list of items that is arranged by category.
  - **Dashboards**. Select whether the category can be associated with dashboards. Your choices are Yes or No.
  - **Reports**. Select whether the category can be associated with custom reports. Your choices are Yes or No.
  - **Widgets**. Select whether the category can be associated with widget definitions. Your choices are Yes or No.

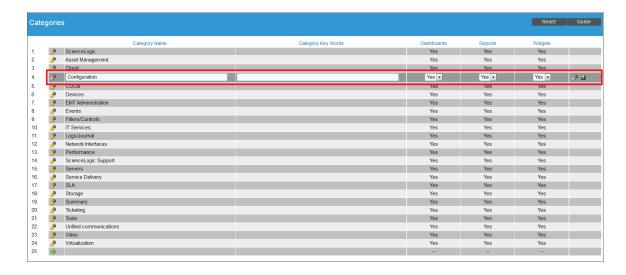
Managing Categories 39

3. Click the save icon ( $\blacksquare$ ) to save the new category.

### Editing a Category

To edit a category, perform the following steps:

1. Go to the **Categories** page (System > Customize > Categories) and click the wrench icon ( ) for the category you want to edit. The row is displayed in edit mode:



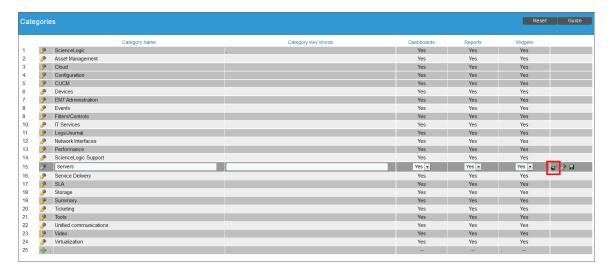
- 2. Edit the values in one or more fields. For a description of each field, see the Adding a Category section.
- 3. Click the save icon  $(\blacksquare)$  to save the category.

40 Editing a Category

### Deleting a Category

To delete a category, perform the following steps:

1. Go to the **Categories** page (System > Customize > Categories) and click the wrench icon ( ) for the category you want to delete. The row is displayed in edit mode:



2. Click the bomb icon ( to delete the category.

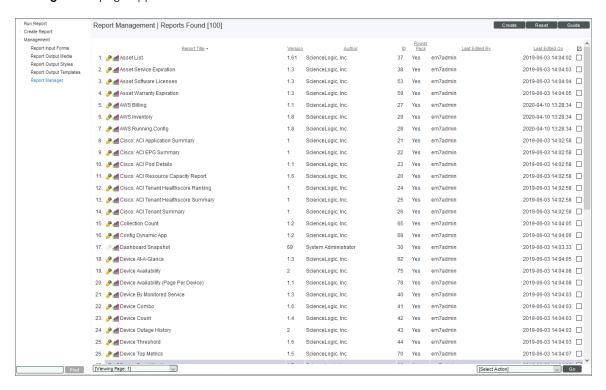
**NOTE**: You cannot delete the default categories that are shipped with the SL1 system.

# Categorizing a Report

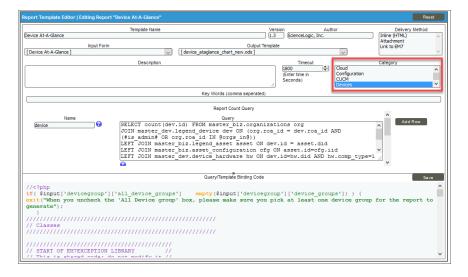
To categorize a report, perform the following steps:

Categorizing a Report 41

 On the Reports page (), expand the Management category and select Report Manager. The Report Management page appears:



2. Select the wrench icon ( ) for the report that you want to categorize. The **Report Template Editor** page appears:



- 3. In the **Category** field, select one or more categories to associate with the report. To select multiple categories, hold down the **[Ctrl]** key when you select the categories.
- 4. Click the [Save] button.

# **Appendix**



# **ScienceLogic Default Custom Reports**

### Overview

ScienceLogic provides a selection of default custom reports on the **Reports > Run Report** page. This appendix will provide an overview of each default custom report, including its description, input, and output options.

To learn how to generate custom reports, see Generating Quick Reports.

To learn how to schedule a custom report, see Scheduling Custom Reports.

The following sections describe the reports in each category:

- Asset Management Reports
- Cloud Reports
- Device Reports
- Event Reports
- Network Interface Reports
- Service Delivery Reports
- Storage Reports
- System Administration Reports
- Ticketing Reports
- Video Reports
- Virtualization Reports

## Asset Management > Asset List

This report displays a list of assets in your system. For each asset, this report displays default columns of Asset ID, Organization, Service Status, Device, Make, Model, and Host Names.

You can customize the output of the report so that assets are grouped by organization or service status. You can also specify one or more optional columns to include in the report.

set List Ro	eport Organization	Service Status	Device	Make	Model	Hostname	Configur
8185 ACME			ACME - Web Router - WebApp[7669]		7010		ACME - Web R
1906 ACME			ACME - Edge Router[1931]	Cisco Systems	7513		ACME - Edge
1880 ACME			ACME - Netscaler - WebApp[1905]	Citrix	NetScaler 9000		ACME - Netsca
13597 ACME			Cloudkick[12546]	Cloudkick	laaS		Cloudkick
1886 ACME			ACME - EqualLogic iSCSI NAS[1911]	Dell	70-0202		ACME - Equal
1897 ACME			ACME - Middleware Server 1[1922]	Dell Inc.	PowerEdge 2950		ACME - Middle
1896 ACME				Dell Inc.	PowerEdge 2950		ACME - Middle
1895 ACME			ACME - Middleware Server 3[1920]	Dell Inc.	PowerEdge 2950		ACME - Middle
1893 ACME			ACME - Tomcat Server (Internal Site)		PowerEdge 2950		ACME - Tomca
1891 ACME			ACME - Tomcat Server 1[1916]	Dell Inc.	PowerEdge 2950		ACME - Tomca
1894 ACME			ACME - Tomcat Server 2[1919]	Dell Inc.	PowerEdge 2950		ACME - Tomca
1973 ACME			ACME - Tomcat Server 3[1998]	Dell Inc.	PowerEdge 2950		ACME - Tomos
1884 ACME			ACME - Printer[1909]	HP.	Network Printer		ACME - Printer
1900 ACME			ACME - Netscreen Firewall - WebApp	Juniper	Netscreen ISG 2000		ACME - Netsci
15514 ACME			ACME - DB MSSOL 2 - WebApp[1436		MSSOL Server		ACME - DB MS
1871 ACME			ACME - Windows Workstation[1896]		Windows 2000 Workstation	1	ACME - Windo
15513 ACME			ACME - DB-MSSQL - WebApp[14361		Windows Server 2008 R2		ACME - DB-MS
15511 ACME			ACME - WEB IIS 2 - WebApp[14359]	Microsoft	Windows Server 2008 R2		ACME - WEB
15512 ACME			ACME - WEB-IIS-1 - WebApp[14360]		Windows Server 2008 R2		ACME - WEB-
104 ACME			ACME - Rackspace[108]	Rackspace	Cloud Services		ACME - Racks
1071 ACME			ACME - Hosted Site Performance Mo		Content Verification		ACME - Hoster
1949 ACME			Web[1974]	Virtual Device	Content Verification		Web
631 ACME			webtest[661]	Virtual Device	Content Verification		webtest
11595 ACME			www.newinti.edu.my[10927]	Virtual Device	Content Verification		www.newinti.ed
15770 ACME			Yahoo.com[14618]	Virtual Device	Content Verification		Yahoo.com
12849 Chart (			Business Hours 1[11794]	Virtual Device	Schedule		Business Hour
12850 Chart 0			Business Hours 2[11795]	Virtual Device	Schedule		Business Hour
15215 Cloudh			aggr0[14063]	NetApp	Aggregate		aggr0
15216 Cloudh			aggr1[14064]	NetApp	Aggregate		aggr1
15225 Cloudh			/vol/vol0/lun0[14073]	NetApp	LUN		/vol/vol0/lun0
15224 Cloud			/vol/vol0/lun1[14072]	NetApp	LUN		/vol/vol0/lun1
15222 Cloud			/vol/vol1/lun0[14070]	NetApp	LUN		/vol/vol1/lun0
15220 Cloud			/vol/vol1/lun1[14068]	NetApp	LUN		/vol/vol1/lun1
15223 Cloud			/vol/vol1/lun2[14071]	NetApp	LUN		/vol/vol1/lun2
15221 Cloud			/vol/vol1/lun4[14069]	NetApp	LUN		/vol/vol1/lun4
L5227 Cloud			/vol/vol2/lun0[14075]	NetApp	LUN		/vol/vol2/lun0
15226 Cloud			/vol/vol2/lun1[14074]	NetApp	LUN		/vol/vol2/lun1
L3590 Cloud	Hosting		NetApp-7mode[12539]	NetApp	SIMBOX		NetApp-7mode
L5218 Cloud	Hosting		vol0[14066]	NetApp	Volume		vol0
L5217 Cloud			vol1 - WebApp[14065]	NetApp	Volume		None
15219 Cloud			vol2[14067]	NetApp	Volume		vol2
15524 Custon			Group Series[14370]	Polycom	Group Series		Group Series
1032 Custon	ner A Video			Polycom	HDX 7000 HD		silohdx7000
1043 Custon	ner A Video		Endpoint - LAB 500[1068]	Polycom	V500		LAB 500
13751 Custon			HO-GW.silotest.com[1062]	Cisco Systems	2811		HO-GW.silotes
10665 Custon				Cisco Systems	Catalyst 6509-CatOS		Cust B HQ - Ci
1035 Custon			VCS-C[1060]	Cisco Systems	TANDBERG: Video Comm	unication Server (VCS)	VCS-C
10609 Custon			vcse1[9825]	Cisco Systems	TANDBERG: Video Comm		vcse1
10610 Custon			EX90[9826]	None	None		EX90
	ner B Video		Endpoint - 1700MXP[1067]	Tandberg	MXP		Endpoint - 170

The following input options are available when generating the report:

- **Select By**: Select the assets that will appear in the report. The following input elements appear in this component:
  - Org/Device; Org/Asset; ESX Server/VM. Your selection will have an affect on the fields described below. The options are:
    - Org/Device. When selected, you will have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.

- Org/Asset. When selected, you will have the option to select all, multiple, or individual organizations, then you can optionally select specific assets in those organizations.
- ESX Server/VM. When selected, you will have the option to select all, multiple, or individual ESX Servers, then you can optionally select specific Guest VMs on those ESX Servers.
- o All Items. Select this checkbox if you want all assets in the system to be included in this report.
- Organizations/ESX Server Select. If the All Items checkbox is unselected, select multiple or individual
  Organizations or ESX servers. The report will contain only the assets in the organizations you select,
  or only the assets associated with Guest VMs on the ESX servers you select.

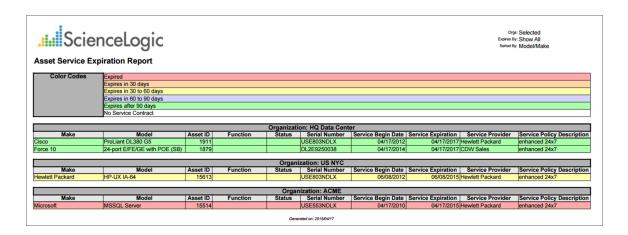
You can further reduce the list of assets to include on the report. Depending on your selection in the Org/Device; Org/Asset; ESX Server/VM radio buttons, you can select specific assets, devices, or Guest VMs from the organizations or ESX servers you selected in the Organizations/ESX Server Select list. Use the following fields if you want to select individual items:

- Select individual items. If the All Items checkbox is unselected, the Select individual items checkbox is available. Select this checkbox if you would like to select the individual Devices, Assets, or Guest VMs to include in the report.
- Devices/Assets by Organization, Guest VMs by ESX Server. Select one or multiple devices or assets by organization, or individual guest VMs by ESX server, to include in the report.
- Device Group Selector. Select one or multiple or all device groups to include in the report.
- **Service Status**. Further filters the list of assets selected in the **Select By** fields to include only assets with the selected Service Status(es).
- Sort By. Sort by Selection or Service Status.
- Separate By. Group asset records by Organization/ESX Server, Service Status, Device Group, or Device.
- Optional Columns. Select from a list of optional columns to include in the report, including description, configuration, and location options.
- Optional Device Columns. Select from a list of one or more optional device columns including Device Class, Device Category, Latency Port, and Creation Date.
- Timezone. Select a time zone for the report.

## Asset Management > Asset Service Expiration

This report displays a list of assets that have a service expiration attached to them. For each asset record, displays the default columns of Organization, Expires, Make, Model, Asset ID, Service Start, Service Expiration, Service Provider, and Description.

You can customize the output of the report to include assets without service warranties. You can also specify that asset records be grouped by organization, and sorted by make/model or service expiration date. You can also specify one or more optional columns to include in the report.



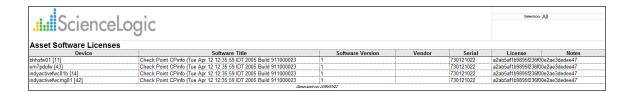
The following input options are available when generating the report:

- Organizations. Specify one or more organizations or all organizations to include in the report.
- Optional Columns. Select from a list of optional columns to include in the report, such as function and device category.
- Other Options. Allows you to set a time frame for assets with an expiration date, include assets that don't include a service warranty, and separate assets by organization.
- Sort By. Sort the list of assets by Asset Make/Model or Service Expiration Date.

### Asset Management > Asset Software Licenses

This report displays a list of assets that have a software license attached to them. For each asset, this report displays default columns of Device, Software Title, Software Version, Vendor, Serial, License, and Notes.

You can customize the output to group assets by organization and sort assets by vendor, device, or software title.



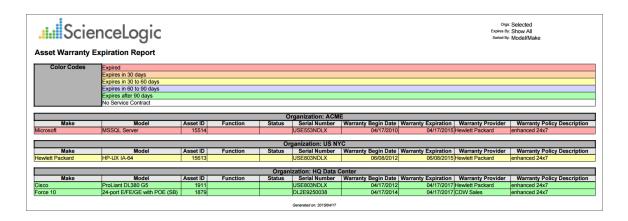
The following input options are available when generating the report:

- Organizations. Specify one or more organizations or all organizations to include in the report.
- Sort By. Sort by Vendor, Device, or Software Title.
- Options. Separate the report into tables, with a table for each organization.

### Asset Management > Asset Warranty Expiration

This report displays a list of assets that have a warranty expiration attached to them. For each asset, this report displays default columns of Organization, Expires, Make, Model, Asset ID, Function, Status, Serial, Warranty Start, Warranty Expiration, Warranty Provider, and Description.

You can customize the output of the report to include assets without warranties. You can specify that the asset records be grouped by organization, and sorted by make/model or service expiration date. You can also specify one or more optional columns to include in the report.

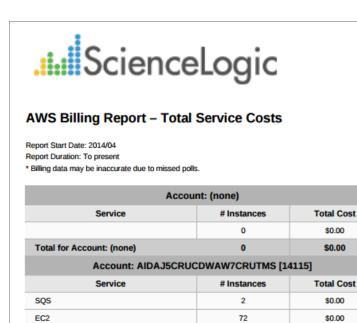


The following input options are available when generating the report:

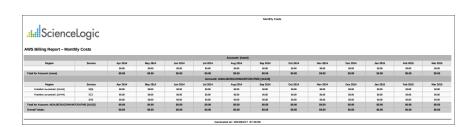
- Organizations. Specify one or more organizations or all organizations to include in the report.
- Optional Columns. Select from a list of optional columns to include in the report, such as device category
  and asset tag.
- Other Options. Allows you to display assets with a warranty expiration within a specific time span, include assets without a warranty, and separate assets by organization.
- Sort By. Sort the report by Asset Make/Model or by Warranty Expiration Date.

# Cloud > AWS Billing Report

This report displays service costs for Amazon Web Services. The report includes Total, Monthly, Quarterly, and Annual costs.



Generated on: 2015/04/17 07:46:56



15

89

\$0.00

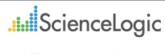
\$0.00

\$0.00

SNS

**Overall Totals:** 

Total for Account: AIDAJ5CRUCDWAW7



#### AWS Billing Report – Quarterly Costs

Account: (none)						
Region	Service	Q2 2014	Q3 2014	Q4 2014	Q1 2015	
		\$0.00	\$0.00	\$0.00	\$0.00	
Total for Account: (none)		\$0.00	\$0.00	\$0.00	\$0.00	
Account: AIDAJ5CRUCDWAW7CRUTMS [14115]						
Region	Service	Q2 2014	Q3 2014	Q4 2014	Q1 2015	
Frankfurt: eu-central-1 [14444]	SQS	\$0.00	\$0.00	\$0.00	\$0.00	
Frankfurt: eu-central-1 [14444]	EC2	\$0.00	\$0.00	\$0.00	\$0.00	
	SNS	\$0.00	\$0.00	\$0.00	\$0.00	
Total for Account: AIDAJ5CRUCDWAW7CRUTMS [14115]		\$0.00	\$0.00	\$0.00	\$0.00	
Overall Totals:	\$0.00	\$0.00	\$0.00	\$0.00		

Generated on: 2015/04/17 07:46:56



#### **AWS Billing Report - Annual Costs**

Account: (none)						
Region	Service	2014	2015			
		\$0.00	\$0.00			
Total for Account: (none)	\$0.00	\$0.00				
Account: AIDAJ5CRUCDWAW7CRUTMS [14115]						
Region	Service	2014	2015			
Frankfurt: eu-central-1 [14444]	sqs	\$0.00	\$0.00			
Frankfurt: eu-central-1 [14444]	EC2	\$0.00	\$0.00			
	SNS	\$0.00	\$0.00			
Total for Account: AIDAJ5CRUCDWAW	\$0.00	\$0.00				
Overall Totals:	\$0.00	\$0.00				

Generated on: 2015/04/17 07:46:56



#### **AWS Billing Report - Control**

Description:	AWS Billing
Report Version:	1.1
Generated On:	2015/04/17 07:46:56
AWS Accounts:	All
Start Date:	2014/04
Duration:	To present

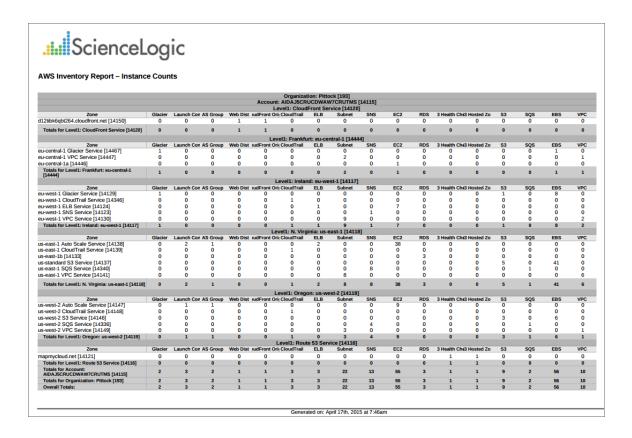
Generated on: 2015/04/17 07:46:56

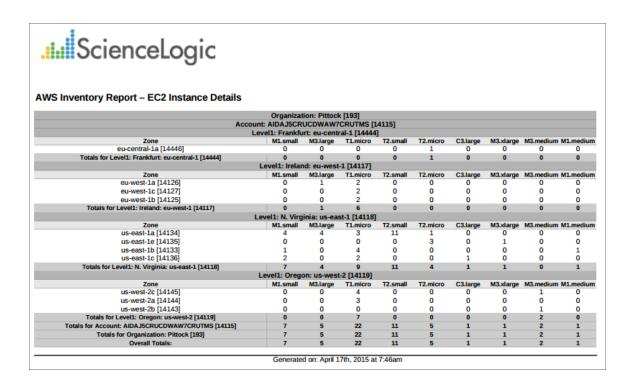
The following input options are available when generating the report (Reports > Run Report > Cloud > AWS Billing):

- AWS Accounts. Select the AWS Account(s) for which you want to generate the report. The All Accounts checkbox is selected by default. De-selecting this checkbox allows you to select one or more specific accounts for which to generate a report.
- **Report Span**. Select a span from one to 36 months for the report, or specify a specific starting date for the report.

# Cloud > AWS Inventory Report

This report displays an inventory of AWS instance counts. The report includes the number of each kind of instance in every zone associated with the chosen accounts. It also includes a count of each EC2 instance size in each zone.



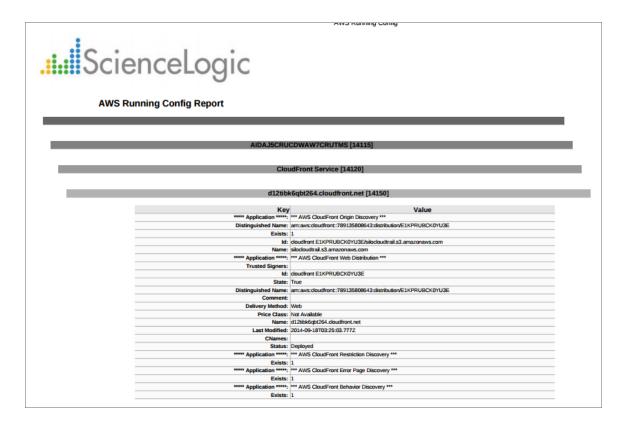


The following input options are available when generating the report (Reports > Run Report > Others > AWS Inventory):

- Organizations. Select the organization for which you want to generate the report. The All Organizations checkbox is selected by default. De-selecting this checkbox allows you to select one or more specific organizations for which to generate a report.
- AWS Accounts. Select the AWS Account(s) for which you want to generate the report. The All Accounts checkbox is selected by default. De-selecting this checkbox allows you to select one or more specific accounts for which to generate a report.
- Filter on EC2 Instance Config Data. Select the EC2 instances that will be included in the report based on the configuration data reported for each EC2 instance:
  - Choose up to four configuration parameters for EC2 instances.
  - For each selected configuration parameter, enter a value to match against and select how that value should be matched.
  - In the **Comparison Operator** field, select whether an EC2 instance must match all configuration parameters (and) or only one configuration parameter (or) to be included on the report.
- Report Options. Select the Include Terminated Instances checkbox to include all terminated instances.

### Cloud > AWS Running Config Report

This report displays the running config of all AWS instances for one to all organizations across a number of AWS billing accounts.



The following input options are available when generating the report (Reports > Run Report > Others > AWS Running Config):

- Organizations. Select one, multiple, or all organizations to include in the report.
  - All Organizations. This checkbox is selected by default. De-selecting this checkbox allows you to select one or more specific organizations for the report.
  - Organizations. If you unchecked the **All Organizations** checkbox, select one or more organizations to include in the report.
- AWS Accounts. Select one, multiple, or all AWS Accounts to include in the report.
  - All Accounts. This checkbox is selected by default. De-selecting this checkbox allows you to select one
    or more specific AWS accounts for the report.
  - Accounts. If you unchecked the All Accounts checkbox, select one or more AWS Accounts to include in the report.

- Filter on EC2 Instance Config Data. Select the EC2 instances that will be included on the report based on the configuration data reported for each EC2 instance:
  - ° Choose up to four configuration parameters for EC2 instances.
  - ° For each selected configuration parameter, enter a value to match against and select how that value should be matched.
  - In the **Comparison Operator** field, select whether an EC2 instance must match all configuration parameters (and) or only one configuration parameter (or) to be included in the report.
- Report Options. Select the Include Terminated Instances checkbox to include all terminated instances.

### Devices > Blackberry: Top-N Performance Dynamic App

This report displays the collected data from the specified Dynamic Application and Presentation Object on each selected device. You can customize the output of the report by selecting devices by group or organization, and selecting the time span of the report.

The following input options are available for this report:

- **Select By**: Select the devices that will appear in the report. The following input elements appear in this component:
  - o Org/Device; Group/Device. Your selection will have an affect on the fields described below.
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Group/Device. When selected, you have the option to select all, multiple, or individual device
      groups, then you can optionally select specific devices in those organizations.
  - Select individual devices. Select this checkbox if you would like to select the individual Devices to include in the report.
- **Dynamic Application**. Select a Dynamic Application to include in the report. Your selection will change the values displayed in the **Presentation Object** field.
- Collection Objects. Select a collection object associated with the Dynamic Application.
- Categories. By default, all device categories will be included in the report. Click the Select individual categories checkbox to select one or more device categories.
- Top-N-Selector. Select the top devices based on average performance or maximum performance.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report.
- **Starting**. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report.
- **Duration**. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report.
- **Timezone**. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.

### Devices > Blackberry: Top-N Report Vitals

This report displays the collected Vitals data from the specified Dynamic Application on each selected device. You can choose to report on the top CPU, Memory, Swap, Availability, and Latency values for the selected devices. You can further customize the output of the report by selecting devices by group and category, and selecting the time span of the report.

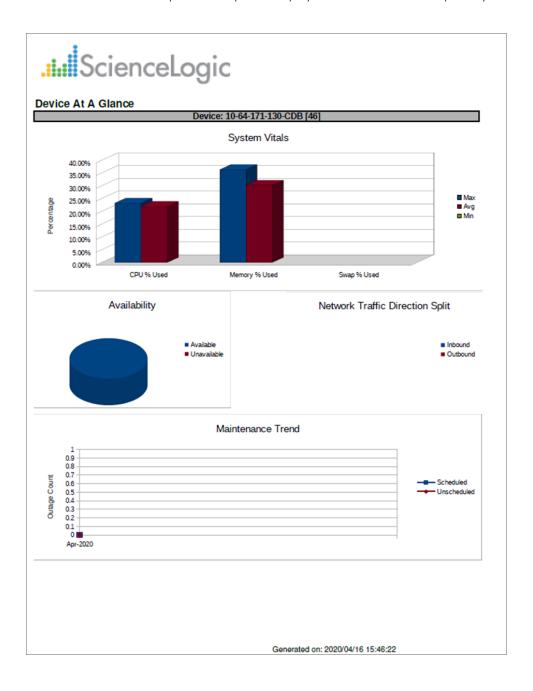
The following input options are available when generating the report:

- **Device Selection**: Select the devices that will appear in the report. The following input elements appear in this component:
  - All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All devices checkbox is unselected, select multiple or individual Organizations.
    The report will contain only the devices in the organizations you select. You can further reduce the list of devices to include on the report by specifying devices from the organizations you select, by selecting the Select individual items checkbox.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to select the individual devices to include in the report.
  - Devices by Organization. If the Select individual devices checkbox is selected, you can select multiple
    or a single device in the organization(s) selected about to include in the report.
- Device Group Selector. Select one, multiple, or all device groups to include in the report.
- Device Categories. Select one, multiple, or all device categories to include in the report.
- **Top-N-Selector**. Select the top devices based on average performance or maximum performance. Your options include CPU, Memory, Swap, Availability, and Latency.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report.
- **Starting**. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report.
- **Duration**. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report.
- **Timezone**. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.

### Devices > Device At-A-Glance

This report allows you to view statistics charts and data about selected devices. It includes System Vital and Maintenance Trend charts, reports on CPU, Memory, and Swap percentage used, device availability, inbound and outbound traffic, and scheduled and unscheduled outages, based on the time interval you specify.

You can customize the output of the report to display the device charts and reports by different time spans.



The following input options are available when generating the report:

- **Select By**. Select the devices that will appear in the report. The following input elements appear in this component:
  - Org/Device; Org/Asset; ESX Server/VM. Your selection will have an affect on the fields described below.
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Org/Asset. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific assets in those organizations.
    - ESX Server/VM. When selected, you will have the option to select all, multiple, or individual ESX Servers, then you can optionally select specific Guest VMs on those ESX Servers.
  - ° All Items. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations/ESX Server. If the All Items checkbox is unselected, select multiple or individual
    Organizations or ESX servers. The report will contain only the devices in the organizations you select,
    or only Guest VMs on the ESX servers you select. You can further filter the list of devices or guest VMs
    by selecting the Select individual items checkbox.

You can further reduce the list of assets to include on the report. Depending on your selection in the Org/Device; Org/Asset; ESX Server/VM radio buttons, you can select specific assets, devices, or Guest VMs from the organizations or ESX servers you selected in the Organizations/ESX Server Select list. Use the following fields if you want to select individual items:

- Select individual items. If the All Items checkbox is unselected, the Select individual items checkbox is available. Select this checkbox if you would like to select the individual Devices, Assets, or Guest VMs to include in the report.
- Devices/Assets by Organization, Guest VMs by ESX Server. Select one or multiple devices or assets by organization, or individual guest VMs by ESX server, to include in the report.
- Device Group Selector. Select one or multiple or all device groups to include in the report.
- Separated By. Group devices by Device Group.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.

### Devices > Device Availability

This report displays a list of devices and their availability within a specified time span. For each device, this report displays default columns of device name and a report of that device's availability.

You can customize the output of the report to display the device availability by different time spans, group devices by organization or device category, and show the aggregate total of the device availability.



The following input options are available when generating the report:

- **Device Selection**: Select the devices that will appear in the report. The choices are:
  - o All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
    report will contain only the devices in the organizations you select. You can further filter the list of
    devices to include in the report by selecting devices in the Devices by Organization field.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
  - Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.
- Device Group Selector. Select one, multiple, or all device groups to include in the report.
- All Device Categories. Select this checkbox if you want to include devices from all device categories in the
  report.
  - Device Categories. Further filters the list of devices selected in the **Device Selection** field. Only those
    devices selected in the **Device Selection** fields that are also from the selected device categories will
    be included in the report.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.
- **Separated By**. Group devices by Organization, Device Category, or Device Group.
- **Report Sections**. Specify how the report will be arranged. Select whether you want the report to display Details Only, Totals Only, or Both.
- Optional Columns. Selecting the IP Address checkbox in this pane will include IP addresses in the report.

## Devices > Device Availability (Page Per Device)

This report displays a list of devices and their availability within a specified time span. The report displays information for each device separately. Information for each device includes the device name, discovery date, creation date, and an availability summary for that device. A Device Availability Trend graph is also included for each device.



You can customize the output of the report to display the device availability by different time spans, or group devices by organization or device category.

- **Device Selection**: Select the devices that will appear in the report. The choices are:
  - o All devices. Select this checkbox if you want all devices in the system to be included in this report.

- Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
  report will contain only the devices in the organizations you select. You can further filter the list of
  devices to include in the report by selecting devices in the Devices by Organization field.
- Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
- Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.
- **Device Group Selector**: Select the device groups that will appear in the report. The following input elements appear in this component:
  - · All Device Groups. Select this checkbox if you want to include all device groups in the report.
  - Device Groups. If the All Device Groups checkbox is not selected, select one or more device groups.
     The report will contain only the devices in the device groups you select.
- **Device Categories**: Select the device categories that will appear in the report. The following input elements appear in this component:
  - o All Device Categories. Select this checkbox if you want to include all device groups in the report.
  - Device Categories. If the All Device Categories checkbox is not selected, select one or more device categories. The report will contain only the devices in the device categories you select.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.

## Devices > Device by Monitored Service

This report displays a list of devices with Windows service monitoring policies aligned with them. For each device, this report displays default columns of Organization, Device Name, and Alert When.

You can customize the output of the report to display only specified monitored services, and to separate and sort the report by organizations, services, device, or a combination of the three.



Orgs: Selected Organizations Services: No layout options selected

#### **Device by Monitored Service**

Org/Dev/Service: All					
Organization	Device	Service	Alert When		
ACME	ACME - WEB IIS 2 - WebApp [14359]	World Wide Web Publishir	When Stopped		
ACME	ACME - WEB-IIS-1 - WebApp [14360]	World Wide Web Publishir	When Stopped		
HQ Data Center	DEMO-AP-01.demo.sciencelogic.local	World Wide Web Publishir	When Stopped		
HQ Data Center	DEMO-SP-01 [14437]	World Wide Web Publishir			
HQ Data Center	DEMO-WIN-DC [13316]	Windows Time	When Running		
HQ Data Center	DEMO-WIN-DC [13316]	World Wide Web Publishir			
HQ Data Center	Demo_Exchange_2013 [14369]	World Wide Web Publishir	When Stopped		
HQ Data Center	Demo_Lync_2013 [13362]	World Wide Web Publishir			
HQ Data Center	LA-DC-01 [10677]	Microsoft Exchange Event	When Stopped		
HQ Data Center	LA-DC-01 [10677]	Microsoft Exchange IMAP			
HQ Data Center	LA-DC-01 [10677]	Microsoft Exchange Inform	When Stopped		
HQ Data Center	LA-DC-01 [10677]	Microsoft Exchange Mana			
HQ Data Center	LA-DC-01 [10677]	Microsoft Exchange MTA	When Stopped		
HQ Data Center	LA-DC-01 [10677]	Microsoft Exchange POP3			
HQ Data Center	LA-DC-01 [10677]	Microsoft Exchange Routi			
HQ Data Center	LA-DC-01 [10677]	Microsoft Exchange Site F			
HQ Data Center	LA-DC-01 [10677]	Microsoft Exchange Syste			
HQ Data Center	LA-DC-01 [10677]	World Wide Web Publishin			
HQ Data Center	VPM Equinix Server [10930]	World Wide Web Publishin			
HQ Data Center	WIN-DEMO-DC2.demo2.sciencelogic.				
HQ Data Center	WIN-DEMO-EX2010.demo2.sciencelo				
HQ Data Center	WIN-DEMO-MSSQL [13347]	World Wide Web Publishir			
Insight	LAB-W2K3-01 [1923]		When Stopped		
Insight	LAB-W2K3-01 [1923]	Microsoft Exchange Event	When Stopped		
Insight	LAB-W2K3-01 [1923]	Microsoft Exchange IMAP			
Insight	LAB-W2K3-01 [1923]	Microsoft Exchange Inform			
Insight	LAB-W2K3-01 [1923]	Microsoft Exchange Mana			
Insight	LAB-W2K3-01 [1923]	Microsoft Exchange MTA			
Insight	LAB-W2K3-01 [1923]	Microsoft Exchange POP3	When Stopped		
Insight	LAB-W2K3-01 [1923]	Microsoft Exchange Routi			
Insight	LAB-W2K3-01 [1923]	Microsoft Exchange Site F	When Stopped		
Insight	LAB-W2K3-01 [1923]	Microsoft Exchange Syste	When Stopped		
Insight	LAB-W2K3-01 [1923]	World Wide Web Publishin			
US NYC	MS-2008-SPFND_0.185 [50]	World Wide Web Publishir	When Stopped		

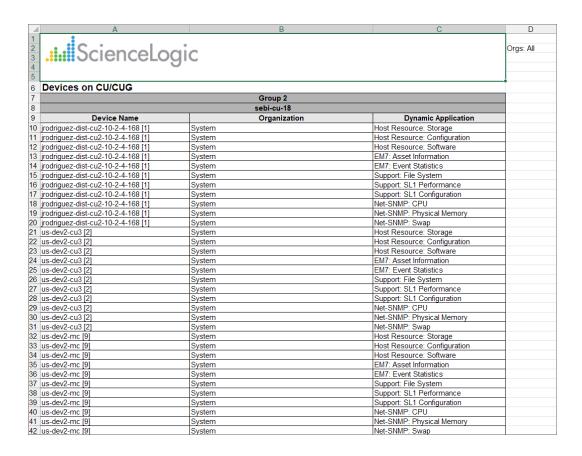
Generated on: 2015/04/17

The following input options are available when generating the report:

- Organizations. Specify one or more organizations or all organizations to include in the report.
- Monitored Services. Select one or more monitored services to view in the report. These monitored services will come from the organization(s) selected in the Organizations field. The report will show one table for each service.
- **Separate By**. Specify whether the report will be separated by Organization and Service, Organization, Service, or will be One Table.
- **Sorted By**. Specify whether you want the report sorted by Organization/Device/Service, Device/Service, or by Service/Organization/Device.

# Devices > Device Collector Group Summary

This report displays the devices that are aligned to a collector unit and collector group. You can select one organization, multiple organizations, or all organizations. You can filter by Collector Group and Collector Unit, and you can also list the Dynamic Applications aligned with a device.



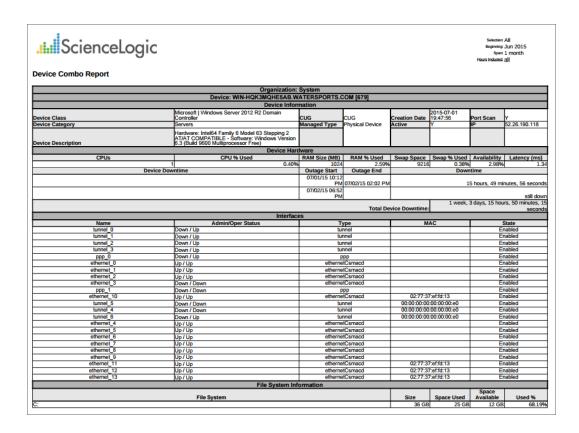
The following input options are available when generating the report:

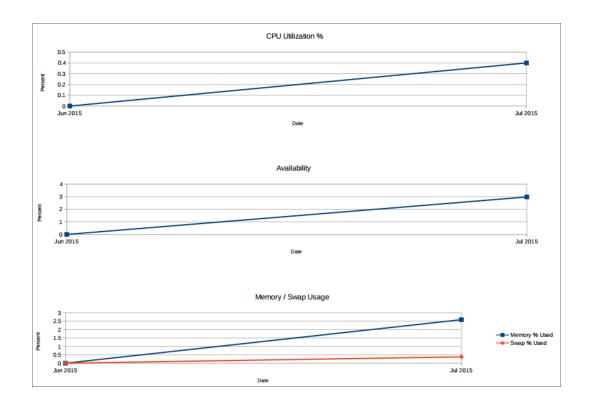
- Organizations. Specify one or more organizations or all organizations to include in the report.
- **CUGs**. Select one or more Collector Groups to view in the report. These Collector Groups will come from the organizations selected in the **Organizations** field.
- CUs. Select one or more Collector Units to view in the report.
- Optional. Specify if you want the report sorted by Dynamic Application.

### Devices > Device Combo

This report displays asset information, CPU utilization, memory utilization, swap utilization, file system information, downtime, and running processes for each selected device, interface, open port, or file system.

You can customize the output of the report and specify the type of statistics to display, and the hours to include in the report.





The following input options are available when generating the report:

- **Select By**. Select the devices that will appear in the report. The following input elements appear in this component:
  - Org/Device; Org/Asset; ESX Server/VM. Your selection will have an affect on the fields described below.
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Org/Asset. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific assets in those organizations.
    - ESX Server/VM. When selected, you will have the option to select all, multiple, or individual ESX Servers, then you can optionally select specific Guest VMs on those ESX Servers.
  - · All Items. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations/ESX Server. If the All Items checkbox is unselected, select multiple or individual
    Organizations or ESX servers. The report will contain only the devices in the organizations you select,
    or only Guest VMs on the ESX servers you select. You can further filter the list of devices or guest VMs
    by selecting the Select individual items checkbox.

Devices > Device Combo 68

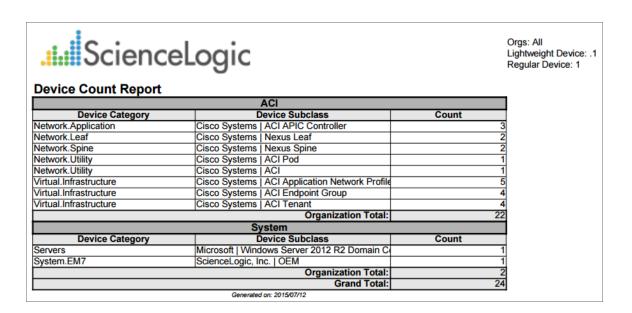
You can further reduce the list of assets to include on the report. Depending on your selection in the Org/Device; Org/Asset; ESX Server/VM radio buttons, you can select specific assets, devices, or Guest VMs from the organizations or ESX servers you selected in the Organizations/ESX Server Select list. Use the following fields if you want to select individual items:

- Select individual items. If the All Items checkbox is unselected, the Select individual items checkbox is available. Select this checkbox if you would like to select the individual Devices, Assets, or Guest VMs to include in the report.
- Devices/Assets by Organization, Guest VMs by ESX Server. Select one or multiple devices or assets by organization, or individual guest VMs by ESX server, to include in the report.
- Device Group Selector. Select one or multiple or all device groups to include in the report.
- Statistics Type. Select by Max Hour or Averaged Hours. When gathering data for reports, SL1 averages all the readings taken during an hour 24 values per day. This field specifies whether the value for each day should be the highest value of the 24 hour values or whether SL1 should average the 24 values.
- **Separated By**. Group devices by Organization or Device Group.
- Other Options. If the Show Hidden File Systems checkbox is selected, hidden file systems will be included in the report.
- **Report Span**. Select the time span of the report. Choices are *Daily*, *Weekly*, and *Monthly*. Select the starting point for the report, and the *Duration* for the report. Select the *Hours Included*. Choices are 24 hours, or specific hours Monday Friday. You can also select a time zone for the report.

### Devices > Device Count

This report displays the number of devices per device category in each selected organization. This report displays default columns of Device Class, Device Subclass, Count, and License Count. The report is divided into tables by organization.

You can customize the output of the report to include only devices from selected organizations.



The following input options are available when generating the report:

• Organizations. Specify one or more organizations or all organizations to include in the report.

### Devices > Device Outage History

From the list of selected devices, this report determines which devices have had an outage during a specified time period. For each device that has had an outage, displays default columns of Device Name, Device Groups, Outage Start, Outage End, and Downtime.

You can customize the output of the report to include only specific organizations or specific devices, and change the report span. You can also specify the number of missed polls that must occur on a device before the device will appear in the Device Outage History report.



The following input options are available when generating the report:

- **Device Selection**. Select the device(s) that will appear in the report. The following input elements appear in this component:
  - · All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All devices checkbox is unselected, select multiple or individual Organizations.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to select the individual devices to include in the report.
  - Devices by Organization. Select one or multiple devices by organization to include in the report.
- Device Group Selector. Select one, multiple, or all device groups to include in the report.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.
- Separated By. Group the report by Organization, Device Group, or Device.
- **Report Sections**. Specify how the report will be arranged. Select whether you want the report to display Details Only, Totals Only, or Both.
- Missed Polls Required. Select the number of missed polls that must occur on a device before the device will
  appear in the Device Outage History report.

### Devices > Device Outage Events History

This report shows a list of device outages using the events table instead of the logs table as in the Device Outage report.

From the list of selected devices, this report determines which devices have had an outage during a specified time period. For each device that has had an outage, displays default columns of Device Name, Device Groups, Outage Start, Outage End, and Downtime.

You can customize the output of the report to include only specific organizations or specific devices, and change the report span. You can also specify the number of missed polls that must occur on a device before the device will appear in the Device Outage History report.



The following input options are available when generating the report:

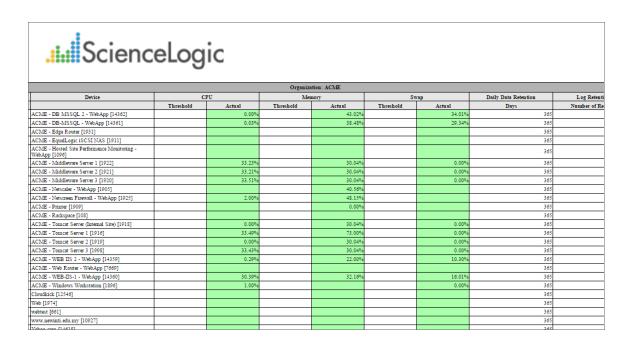
- **Device Selection**. Select the device(s) that will appear in the report. The following input elements appear in this component:
  - · All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - o Organizations. If the All devices checkbox is unselected, select multiple or individual Organizations.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to select the individual devices to include in the report.
  - Devices by Organization. Select one or multiple devices by organization to include in the report.
- Device Group Selector. Select one, multiple, or all device groups to include in the report.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.
- Separated By. Group the report by Organization, Device Group, or Device.
- **Report Sections**. Specify how the report will be arranged. Select whether you want the report to display Details Only, Totals Only, or Both.
- Missed Polls Required. Select the number of missed polls that must occur on a device before the device will appear in the Device Outage History report.

This description covers the latest version of this report as shipped by ScienceLogic. This report might have be modified on your SL1 system.	een

#### Devices > Device Threshold

This report displays the threshold information for devices in your system. For each device, this report displays default columns of Device Groups, Device, CPU, Memory, Swap, Data Retention, Log Retention, and Latency.

You can customize the output for the report to include only devices in specific organizations or only specific devices. You can also specify that devices are grouped by organization into separate tables, and that the report include the actual usage value for each threshold for each device.



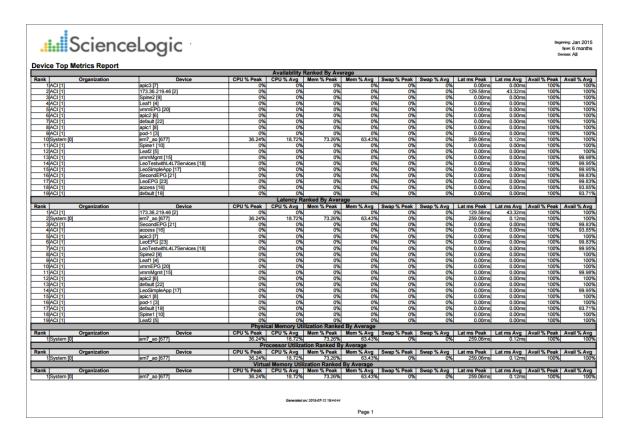
The following input options are available when generating the report:

- All Devices. If you select this checkbox, all devices will be displayed in the report. If you unselect this checkbox, you will have the following options:
  - o Organizations. Select one or more organizations for which to view device thresholds.
  - Select individual devices. If the All Devices checkbox is unselected, the Select individual devices
    checkbox is available. Select this checkbox if you would like to select the individual devices to include
    in the report.
  - Devices by Organization. If the select individual devices checkbox is selected, this field is available.
     You can select one or more devices in this field to include in the report. The report will search for outages among the device(s) specified in this field.
- Options. Select whether to include the actual usage values.
- Separated By. Group devices by Organization or Device Group.

This description covers the latest version of this report as shipped by ScienceLogic. This report might modified on your SL1 system.	have been

### Devices > Device Top Metrics

This report displays the Device Leaderboard with the default columns Rank, Organization, Device, CPU % Peak, CPU % Avg.



The following input options are available when generating the report:

- **Select By**. Select the devices that will appear in the report. The following input elements appear in this component:
  - Org/Device; Org/Asset; ESX Server/VM. Your selection will have an affect on the fields described below.
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Org/Asset. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific assets in those organizations.
    - ESX Server/VM. When selected, you will have the option to select all, multiple, or individual ESX Servers, then you can optionally select specific Guest VMs on those ESX Servers.

- · All Items. Select this checkbox if you want all devices in the system to be included in this report.
- Organizations/ESX Server. If the All Items checkbox is unselected, select multiple or individual
  Organizations or ESX servers. The report will contain only the devices in the organizations you select,
  or only Guest VMs on the ESX servers you select. You can further filter the list of devices or guest VMs
  by selecting the Select individual items checkbox.

You can further reduce the list of assets to include on the report. Depending on your selection in the Org/Device; Org/Asset; ESX Server/VM radio buttons, you can select specific assets, devices, or Guest VMs from the organizations or ESX servers you selected in the Organizations/ESX Server Select list. Use the following fields if you want to select individual items:

- Select individual items. If the All Items checkbox is unselected, the Select individual items checkbox is available. Select this checkbox if you would like to select the individual Devices, Assets, or Guest VMs to include in the report.
- Devices/Assets by Organization, Guest VMs by ESX Server. Select one or multiple devices or assets by organization, or individual guest VMs by ESX server, to include in the report.
- Device Group Selector. Select one, multiple, or all device groups to include in the report.
- Device Selection Options. Select All; Auto-select using the specified filters (below) in the Metrics and Minimum Value Filters section; or Auto-select a specific number by their rank, which allows you to use drop-down menus to select the bottom or top 10–1000 devices.
- Metrics and Minimum Value Filters. Allows you to select which metrics you wish to display in the report. CPU Utilization is the default selection, however you have the option to keep or remove CPU Utilization, and add Memory, Swap, Availability, or Latency. If you have selected Auto-select using the specified filters (below) in the Device Selection Options section, you can specify a value for a filter that all devices in the report must exceed using the drop-down menus.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report.
- **Separated By**. Select the checkbox for **Device Group** if you wish to separate data according to device group.

## Devices > Device Top Utilization

This report displays the devices with the highest utilization of CPU, Physical Memory, and Virtual Memory. This report can be generated as:

- A "Top N" report, where you select a utilization statistic (CPU, Memory, or Swap) and the number of devices to include on the report. The devices that will be included in the report are those with the highest values for the specified utilization statistic. For each device included in the report, the report displays default columns of Rank, Organization, Device, CPU % Peak, CPU % Average, Memory % Peak, Memory % Average, Swap % Peak, and Swap % Average.
- A "Threshold" report, where you select a percentage threshold for CPU utilization, Memory utilization, and Swap utilization. The report will include a table for each utilization statistic. Each table includes the devices that have a peak percentage value that exceeds the specified threshold for that utilization statistic. For each device included in the report, the report displays default columns of Rank; Organization; Device; CPU, Memory, or Swap % Peak; and CPU, Memory, or Swap % Average.

You can customize the output of the report to limit which devices will be evaluated for inclusion in the report. You can also specify the time span of information to include in the report.

	ScienceLo	gic						Jan 2015 6 months All
evice To	p Utilization	Top 10 Avo	rage Processor U	Itilization				
Rank	Organization	Device Device	CPU % Peak	CPU % Avg	MEM % Peak	MEM % Avg	SWAP % Peak	SWAP % Avg
1 Syste		em7_ao [1111]	99.57	42.81	99.47	72.65		24.2
2 TCP [	3]	em7-lb1.lit [4]	52.91	33.83	92.75	92.75	0	
3 Syste		em7_723_db [1066]	74.28	33.55	48.53	44.1	0	
4 TCP [		MOSS_ISO_DB [1100]	76.1	22.62	97.45	54.07	49	
5 TCP [	3]	em7_73cu2_latest [1064]	58.1	21.05	94.51	72.82	43	
6 TCP [	3]	em7_ao [1067]	91.12	19.6	98.89	66.06		3.8
7 Syste	m [0]	CUCM9-01_10.64.160.10 [1227]	16.59	15.95	23.19	16.88		
8 Syste	m [0]	CUCM9-03_10.64.160.12 [1224]	16.86	15.74	20.39	13.65		
9 Syste	m [0]	CUCM9-02_10.64.160.11 [1225]	15.57	14.6	18.99	13.15		
10 Syste	m [0]	CXN9-01 10.64.160.14 [1228]	14.99	13.71	21.99	16.84		

ScienceLog		ination Above 6	2007 posted by			Span:	Oct 2014 6 months Selected				
Peak Physical Memory Utilization Above 80% sorted by Average  Rank   Organization   Device   CPU % Peak   CPU % Avg   MEM % Peak   MEM % Avg   SWAP % Peak   SWAP % Avg											
1HQ Data Center [0]	LAB-CUCM-5 [1933]	12	12	99	99		1				
2 HQ Data Center [0]	RTR-2900XL [1913]			100	93.25		_				
3 HQ Data Center [0]	it-esxi-demo3.sciencelogic.local [14080]	34.49	30.72		89.55						
4 HQ Data Center [0]	WIN-DEMO-EX2010.demo2.sciencelogi		2.19		81.63	61	51.72				
5 Customer A Video [194]	Endpoint - Polycom HDX 7000 [1057]	99.62	51.7	98.95	80.8	0	0				
6 HQ Data Center [0]	35S.State [1902]			80	77.66						
7 HQ Data Center [0]	DEMO-SP-01 [14437]	100	35.57	97	75.96	88	75.02				
8 HQ Data Center [0]	em7_cu [12610]	3.73	1.65	90.17	74.49	35	4.29				
9 HQ Data Center [0]	em7_preview_col [12603]	99.83	14.4	99.38	69.56	0	0				
10 HQ Data Center [0]	CXN10-01 [14550]	97	26.04	84	62.1	50	39.73				
11 HQ Data Center [0]	demo-hyperv [13357]	99	15.46	80	60.06	70	52.29				
12 ACME [10]	ACME - DB MSSQL 2 - WebApp [14362	47	18.54	98	52.47	65	40.3				
13 HQ Data Center [0]	DEMO-SQL-01.demo.sciencelogic.local	98	2.72	98	51.48	89	48.87				
14 HQ Data Center [0]	LAB-JUN-M10 [1898]	80	55.36	85	46.39						
15 HQ Data Center [0]	DEMO-WIN-DC [13316]	101	17.94	99	40.29	89	34.51				
16 HQ Data Center [0]	DEMO-AP-01.demo.sciencelogic.local [1	96	0.96	97	34.8	78	28.9				
17 SILO [16]	Ubun.53.210 [13039]	100	99.97	81.99	17.22						
18 SILO [16]	Win_3_Load_53.217 [13015]	38.71	0.04	87.45	9.01						

The following input options are available when generating the report:

- **Select By**. Select the devices that will appear in the report. The following input elements appear in this component:
  - Org/Device; Org/Asset; ESX Server/VM. Your selection will have an affect on the fields described below.
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Org/Asset. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific assets in those organizations.
    - ESX Server/VM. When selected, you will have the option to select all, multiple, or individual ESX Servers, then you can optionally select specific Guest VMs on those ESX Servers.
  - ° All Items. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations/ESX Server. If the All Items checkbox is unselected, select multiple or individual
    Organizations or ESX servers. The report will contain only the devices in the organizations you select,
    or only Guest VMs on the ESX servers you select. You can further filter the list of devices or guest VMs
    by selecting the Select individual items checkbox.

You can further reduce the list of assets to include on the report. Depending on your selection in the Org/Device; Org/Asset; ESX Server/VM radio buttons, you can select specific assets, devices, or Guest VMs from the organizations or ESX servers you selected in the Organizations/ESX Server Select list. Use the following fields if you want to select individual items:

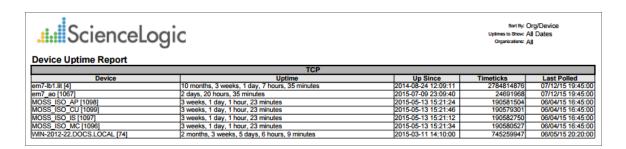
- Select individual items. If the All Items checkbox is unselected, the Select individual items checkbox is available. Select this checkbox if you would like to select the individual Devices, Assets, or Guest VMs to include in the report.
- Devices/Assets by Organization, Guest VMs by ESX Server. Select one or multiple devices or assets by organization, or individual guest VMs by ESX server, to include in the report.
- Device Group Selector. Select one or multiple or all device groups to include in the report.
- **Report Type**. You can choose to include all devices that match the specified thresholds or you can choose to include the devices that are top users of CPU, memory, or swap space.
  - If you select Threshold, you can then specify the values for CPU Threshold, Memory Threshold, and Swap Threshold. The values range from 0% to 95%. The report will include separate tables for CPU, Memory, and Swap and include devices that have met or exceeded the threshold.
  - If you want to select a number of devices, choices range from top 10 to Top 100. Specify the top number of devices to display in the report, then select the utilization statistic (CPU, Memory, or Swap) that will be used to determine which devices will be included in the report.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.
- Separated By. Group devices by Device Group.

This description covers the latest version of this report as shipped by ScienceLogic. This report might have been modified on your SL1 system.

### Devices > Device Uptime

This report displays device uptime for devices in the system. For each selected device, the report displays default columns of Device, Uptime, Up Since, Timeticks, and Last Polled.

You can customize the output of the report to include only devices in selected organizations and to sort devices by organization and device or agent system uptime.



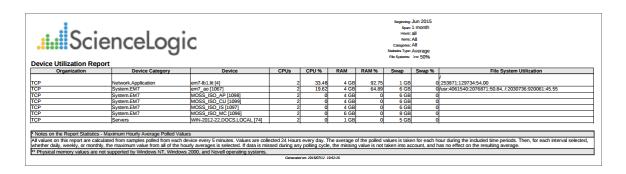
The following input options are available when generating the report:

- Organizations. Specify one or more organizations or all organizations to include in the report.
- **Sort By**. Sort the report by Organization and Device or Agent System Uptime (the uptime collected during availability collection).
- **Options**. Select whether to create separate tables for each organization, display all devices, or display only devices restarted within a specified timeframe.
- Timezone. Select a time zone for the report.

#### Devices > Device Utilization

This report displays an overview of device utilization for devices in a system. For each device included in the report, the report displays default columns of Organization, Device Category, Device Groups, Device, CPUs, CPU %, RAM, RAM %, Swap, Swap %, and File System Utilization.

You can customize the output to include the statistics based on peak or average utilization, include separate rows for each file system on a device, and what percentage threshold a device must exceed to be included on the report.



The following input options are available when generating the report:

- **Select By**. Select the devices that will appear in the report. The following input elements appear in this component:
  - Org/Device; Org/Asset; ESX Server/VM. Your selection will have an affect on the fields described below.
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Org/Asset. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific assets in those organizations.
    - ESX Server/VM. When selected, you will have the option to select all, multiple, or individual ESX Servers, then you can optionally select specific Guest VMs on those ESX Servers.
  - · All Items. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations/ESX Server. If the All Items checkbox is unselected, select multiple or individual
    Organizations or ESX servers. The report will contain only the devices in the organizations you select,
    or only Guest VMs on the ESX servers you select. You can further filter the list of devices or guest VMs
    by selecting the Select individual items checkbox.

You can further reduce the list of assets to include on the report. Depending on your selection in the Org/Device; Org/Asset; ESX Server/VM radio buttons, you can select specific assets, devices, or Guest VMs from the organizations or ESX servers you selected in the Organizations/ESX Server Select list. Use the following fields if you want to select individual items:

- Select individual items. If the All Items checkbox is unselected, the Select individual items checkbox is available. Select this checkbox if you would like to select the individual Devices, Assets, or Guest VMs to include in the report.
- Devices/Assets by Organization, Guest VMs by ESX Server. Select one or multiple devices or assets by organization, or individual guest VMs by ESX server, to include in the report.
- Device Group Selector. Select one or multiple or all device groups to include in the report.
- **Device Categories**. Further filters the list of devices specified in the Select By field by Device Category. Only devices specified in the selected device categories will be included in the report.
- **Report Span**. Select the time span of the report. Choices are *Daily*, *Weekly*, and *Monthly*. Select the starting point for the report, and the *Duration* for the report. Select the *Hours Included*. Choices are 24 hours, or specific hours Monday Friday.
- Statistics Type. Select whether the usage statistics displayed on the report should be the maximum values, minimum values, or average values. When gathering data for reports, SL1 averages all the readings taken during an hour 24 values per day. This field specifies whether the value for each day should be the highest value of the 24 hour values, the lowest value of the 24 hour values, or whether SL1 should average the 24 hour values.
- *File System Output*. Select whether file system usage information should be condensed into one cell; displayed with multiple columns for file system name, usage percent, used in GB and size in GB; or not included in the report.
- **Show Only**. Select a percentage. Devices with a percentage utilization equal or higher than the specified percentage will be included in the report. Select the **Show Hidden File Systems** checkbox to include hidden file systems in the report.
- **Separated By**. Group the devices into tables, based on Organization, Device Category, and/or Device Group.

## Devices > Device Utilization by Device Group

This report displays device utilization by device group. For each device, the report displays default columns of Device, Organization, CPUs, CPU %, RAM, RAM %, Swap, Swap %, and File System Utilization. By default, devices are grouped by device group.

You can customize the output of the report to display the statistics based on peak or average utilization. You can also include information about each file system on a device, and specify what percentage threshold a device must exceed to be included on the report.

Science Device Utilization by Dev	_						Span: Items:	All Device Categories
					oup: (none			
Device	Organization	CPUs	CPU %	RAM	RAM %	Swap	Swap %	File System Utilization
2.sciencelogic.com [1257]	System							
2.sciencelogic.com [1256]	System							
2.sciencelogic.com [1253]	System							
2.sciencelogic.com [1249]	System		_	$\overline{}$	$\overline{}$			
2.sciencelogic.com [1250]	System	+	_					
2.sciencelogic.com [1251] 2.sciencelogic.com [1252]	System System		_					
2.sciencelogic.com [1247]	System	+	_					
2.sciencelogic.com [1247]		+	_					
2.sciencelogic.com [1248]	System System	+	_					
2.sciencelogic.com [1254]	System	+	_					
CH1DC-WLC1 [941]	System	+	0.00%		0.02%		0.00%	
ORP-AD01.watersports.com [1104		4	0.04%		5.15%			C:\:41838588:26631136:63.65
AUGHTERCARDS [1238]	System	-	0.0476		3.1376		2.4070	0.1.4 100000.2000 1 100.00.00
lev-stor-01.NTLMtest.local [5]	System	_	0.00%		0.00%		0.00%	
m7-lb1.lit [4]	TCP	2	30.03%	4 GB	82.49%	1 GB		:253871:129734:54.00
m7 723 db [1066]	System	4	30.0370	8 GB	02.4070	10 GB	0.0070	255071.125754.54.60
m7 73db latest [1061]	System	8		12 GB		14 GB		
m7_ao [1067]	TCP	2	18.45%	4 GB	64.80%	6 GB	1.52%	/usr:4061540:2074620:50.79. /:2030736:889373:44.00
m7 ao [1111]	System	4	41.90%	8 GB	71.23%	10 GB		/usr:4061540:2155879:53.16
m7 hadr [1063]	System	2	0.00%	6 GB	0.00%	8 GB	0.00%	
xp-student1 [73]	System	ī	0.00%	2 GB	0.00%	0 KB	0.00%	
AN [1159]	System		-			-		
anBay-1 [1161]	System							
anBay-2 [1162]	System							
anModule-1 [1165]	System							
anModule-2 [1166]	System							
OMODULES [1237]	System							
AB 500 [2]	System		0.00%		0.00%		0.00%	
AB-1700MXP [3]	System		0.00%		0.00%		0.00%	
fodule 1 [1240]	System							
fodule 2 [1239]	System							
fodule 3 [1241]	System							
IOSS_ISO_AP [1098]	TCP	2	1.22%	4 GB	4.32%	6 GB	0.00%	
IOSS_ISO_CU [1099]	TCP	2	4.93%	4 GB	43.54%	6 GB	0.70%	
IOSS_ISO_IS [1097]	TCP	2	1.15%	4 GB	3.67%	6 GB	0.00%	
IOSS_ISO_MC [1096]	TCP	2	1.93%	6 GB	27.92%	8 GB	0.00%	
OWERSUPPLIES [1160]	System							
owerSupply-1 [1167]	System							
owerSupply-1 Fan-1 [1172]	System							
owerSupply-1 Fan-2 [1171]	System	+						
owerSupply-2 [1170]	System							
owerSupply-2 Fan-1 [1178]	System							
owerSupply-2 Fan-2 [1177]	System							
owerSupplyBay-1 [1163]	System	+	_					
owerSupplyBay-2 [1164]	System	_			0.007		0.057	
157]	System	1	0.00%		0.00%		0.00%	I .

The following input options are available when generating the report:

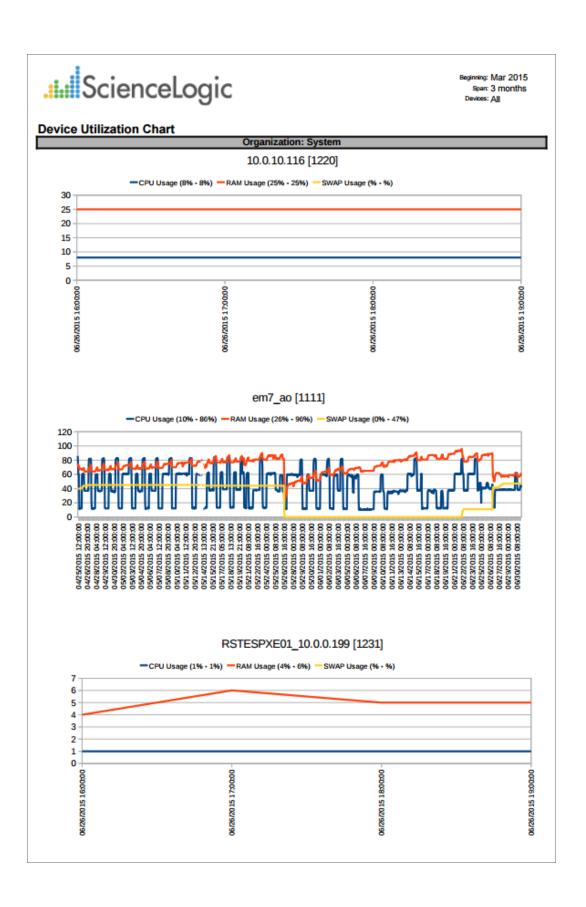
- Device Group Selector. Select one or multiple or all device groups to include in the report.
- **Device Categories**. Further filters the list of devices specified in the Select By field by Device Category. Only devices specified in the selected device categories will be included in the report.

- Statistics Type. Select whether the usage statistics displayed on the report should be the peak (maximum) or average values. When gathering data for reports, SL1 averages all the readings taken during an hour 24 values per day. This field specifies whether the value for each day should be the highest value of the 24 hour values or whether SL1 should average the 24 values.
- *File System output*. Select whether file system usage information should be condensed into One Cell; displayed with multiple columns for file system name, usage percent, used in GB and size in GB; or not included in the report.
- **Show Only**. Select a percentage. Devices with a percentage utilization equal or higher than the specified percentage will be included in the report.
- Separate By. Groups the devices into tables, based on Device Group and/or Device Category, or neither.
- **Report Span**. Select the time span of the report. Choices are *Daily*, *Weekly*, and *Monthly*. Select the starting point for the report, and the *Duration* for the report. Select the *Hours Included*. Choices are 24 hours, or specific hours Monday Friday. Select a time zone for the report.

## Devices > Device Utilization Chart

For each selected device, this report displays a graph of CPU, Memory, and Swap usage.

You can customize the output of the report to include charts only for specific devices, and separate the charts by organization. By default, utilization charts for all devices in the system will be displayed.



The following input options are available when generating the report:

- **Select By**. Select the devices that will appear in the report. The following input elements appear in this component:
  - Org/Device; Org/Asset; ESX Server/VM. Your selection will have an affect on the fields described below.
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Org/Asset. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific assets in those organizations.
    - ESX Server/VM. When selected, you will have the option to select all, multiple, or individual ESX Servers, then you can optionally select specific Guest VMs on those ESX Servers.
  - ° All Items. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations/ESX Server. If the All Items checkbox is unselected, select multiple or individual
    Organizations or ESX servers. The report will contain only the devices in the organizations you select,
    or only Guest VMs on the ESX servers you select. You can further filter the list of devices or guest VMs
    by selecting the Select individual items checkbox.

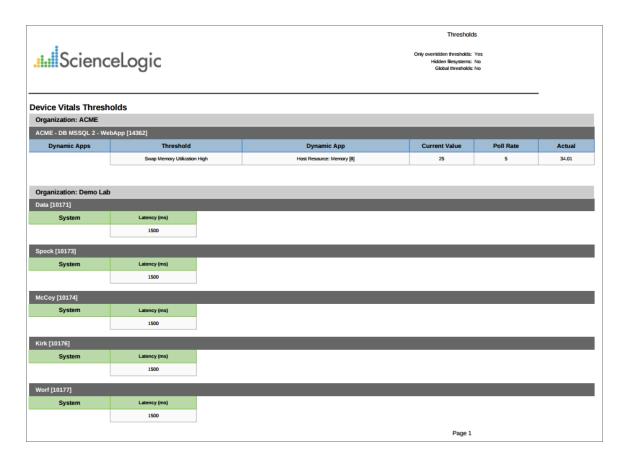
You can further reduce the list of assets to include on the report. Depending on your selection in the Org/Device; Org/Asset; ESX Server/VM radio buttons, you can select specific assets, devices, or Guest VMs from the organizations or ESX servers you selected in the Organizations/ESX Server Select list. Use the following fields if you want to select individual items:

- Select individual items. If the All Items checkbox is unselected, the Select individual items checkbox is available. Select this checkbox if you would like to select the individual Devices, Assets, or Guest VMs to include in the report.
- Devices/Assets by Organization, Guest VMs by ESX Server. Select one or multiple devices or assets by organization, or individual guest VMs by ESX server, to include in the report.
- Device Group Selector. Select one or multiple or all device groups to include in the report.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.
- Separated By. If selected, the devices will be grouped by Organization or Device Group.

#### Devices > Device Vitals Thresholds

This report displays the thresholds that have been set for the following vitals: latency, CPU utilization, memory utilization, swap utilization, and file system utilization. For each device, this report displays the organization name, device name, and threshold information.

You can customize the output for the report to include only devices in specific organizations or only specific devices. You can also specify that devices are grouped by organization into separate tables, and that the report include the actual usage value for each threshold for each device.



The following input options are available when generating the report:

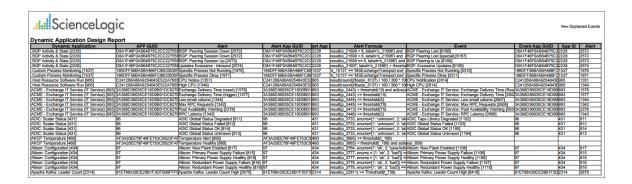
- All Devices. If you select this checkbox, all devices with device-level thresholds will be displayed in the report. If you deselect this checkbox, you will have the following options:
  - o Organizations. Select one or more organizations for which to view device thresholds.
  - Select individual devices. If the All Devices checkbox is unselected, the Select individual devices
    checkbox is available. Select this checkbox if you would like to select the individual devices to include
    in the report.

- Devices by Organization. If the select individual devices checkbox is selected, this field is available.
   You can select one or more devices in this field to include in the report. The report will search for outages among the device(s) specified in this field.
- **Options**. Select whether to include the actual usage values (default), show only overridden thresholds (default), show hidden file systems, or to show global thresholds.
- Separated By. Group devices by Organization (selected by default).

## Devices > Dynamic App Alerts

This report displays a list of Dynamic Applications alerts, including information on associated event policies. For each alert, the report displays default columns of Dynamic Application, APP GUID, Alert App GUID, Alert APP ID, Alert Formula, Event, Event App GUID, App ID, and Alert.

You can customize the output of the report to include only alerts associated with specific Dynamic Applications. You can also specify which associated events are included in the report.



The following input options are available when generating the report:

- **Select Dynamic Applications**. Select all Dynamic Application, or select one or more Dynamic Applications from the list. Alerts from each selected Dynamic Application will be included in the report.
- **Report Options**. Specify whether or not the report will show all events aligned with alerts, whether or not orphaned events are shown, and whether or not all alerts are shown.

## Devices > Dynamic App Collection

This report displays the collection status for Dynamic Applications on their subscriber devices. The report includes information on each collection object on each subscriber device, including if each collection object has been found on the device and if collection is active. For each instance of the Dynamic Application, the report displays default columns of Application, Device, Object, Found, and Collecting.

You can customize the output of the report so that only devices in specific organizations are included in the report. You can also specify that only objects that have specific *Found* and *Collecting* values will be included in the report.

Sheet1



**Dynamic Application Collection Report** 

Application	Device	Object	Found	Collecting
Host Resource: Memory [8]	CUCM8 [1058]	Physical Memory Size [48]	found	stopped
Host Resource: Memory [8]	LAB-W2K3-01 [1923]	Physical Memory Size [48]	found	stopped
Host Resource: Memory [8]	LAB-2007-DC.silodev07.lo	ocaPhysical Memory Size [48]	found	stopped
Host Resource: Memory [8]	Demo_Exchange_2013 [1	43Physical Memory Size [48]	found	stopped
Host Resource: Memory [8]	DEMO-AP-01.demo.scieno	ce Physical Memory Size [48]	found	stopped
Host Resource: Memory [8]	DEMO-SOL-01.demo.scie	ndPhysical Memory Size [48]	found	stopped
Host Resource: Memory [8]	DEMO-SP-01 [14437]	Physical Memory Size [48]	found	stopped
Host Resource: Memory [8]	CUCM8 [1058]	Virtual Memory Size [49]	found	stopped
Host Resource: Memory [8]	LAB-2007-DC.silodev07.lo	caVirtual Memory Size [49]	found	stopped
Host Resource: Memory [8]	Demo Exchange 2013 [1	43Virtual Memory Size [49]	found	stopped
Host Resource: Memory [8]		ce Virtual Memory Size [49]	found	stopped
Host Resource: Memory [8]	DEMO-SOL-01.demo.scie	ngVirtual Memory Size [49]	found	stopped
Host Resource: Memory [8]	DEMO-SP-01 [14437]	Virtual Memory Size [49]	found	stopped
Host Resource: Memory [8]	CUCM8 [1058]	Physical Memory Used [50]	found	stopped
Host Resource: Memory [8]	LAB-W2K3-01 [1923]	Physical Memory Used [50]		stopped
Host Resource: Memory [8]			found	stopped
Host Resource: Memory [8]			found	stopped
Host Resource: Memory [8]		ce Physical Memory Used [50]	found	stopped
Host Resource: Memory [8]			found	stopped
lost Resource: Memory [8]	DEMO-SP-01 [14437]	Physical Memory Used [50]		stopped
Host Resource: Memory [8]	CUCM8 [1058]	Virtual Memory Used [51]	found	stopped
Host Resource: Memory [8]		ocaVirtual Memory Used [51]	found	stopped
Host Resource: Memory [8]		43Virtual Memory Used [51]	found	stopped
Host Resource: Memory [8]		ce Virtual Memory Used [51]	found	stopped
Host Resource: Memory [8]		ndVirtual Memory Used [51]	found	stopped
Host Resource: Memory [8]	DEMO-SP-01 [14437]	Virtual Memory Used [51]	found	stopped
Host Resource: Memory [8]	CUCM8 [1058]		found	stopped
Host Resource: Memory [8]	LAB-W2K3-01 [1923]	Physical Memory Utilization	found	stopped
Host Resource: Memory [8]		caPhysical Memory Utilization	found	stopped
lost Resource: Memory [8]		43Physical Memory Utilization	found	stopped
lost Resource: Memory [8]			found	stopped
Host Resource: Memory [8]		ndPhysical Memory Utilization		stopped
lost Resource: Memory [8]	DEMO-SP-01 [14437]	Physical Memory Utilization	found	stopped
Host Resource: Memory [8]	CUCM8 [1058]	Virtual Memory Utilization [5		stopped
lost Resource: Memory [8]		ocaVirtual Memory Utilization [5		stopped
lost Resource: Memory [8]		43Virtual Memory Utilization [5		stopped
lost Resource: Memory [8]		celVirtual Memory Utilization [5		stopped
lost Resource: Memory [8]		ndVirtual Memory Utilization [5		stopped
lost Resource: Memory [8]	DEMO-SQL-01:defilo:sdle	Virtual Memory Utilization [5		stopped
lost Resource: Memory [8]	CUCM8 [1058]	Physical Memory Cache Siz		stopped
Host Resource: Memory [8]	LAB-W2K3-01 [1923]	Physical Memory Cache Siz		stopped
Host Resource: Memory [8]		caPhysical Memory Cache Siz		stopped
Host Resource: Memory [8]		43Physical Memory Cache Siz		stopped
Host Resource: Memory [8]		ce Physical Memory Cache Siz		stopped
Host Resource: Memory [8]		ndPhysical Memory Cache Siz		stopped

Page 1

The following input options are available when generating the report:

- Organizations. Specify one or more organizations or all organizations to include in the report.
- **Objects Found**. Select if only found objects will be displayed, only objects not found will be displayed, or objects with either status will be displayed
- **Collecting**. Select if only objects currently collecting will be displayed, only objects not currently being collected will be displayed, or objects with either status will be displayed.

This description covers the latest version of this report as shipped by ScienceLogic. This report might have been modified on your SL1 system.

#### Devices > Monitored Elements

For each selected device, this report displays a list of aligned Dynamic Applications and monitoring policies.

For each **Content Verification** policy, the report displays columns for Monitored Element, Name, URL, Port, and Expression.

For each **Domain Monitor**, the report displays columns for Monitored Element, Domain Name, Name server, Record Type, and Result Match.

For each *Dynamic Application*, the report displays columns for Monitored Element, Dynamic App Name, App Type, Poll Interval, and Collection Method.

For each *Email Transaction Monitor*, the report displays columns for Monitored Element, Name, Email To Address, Timeout, and Message Body.

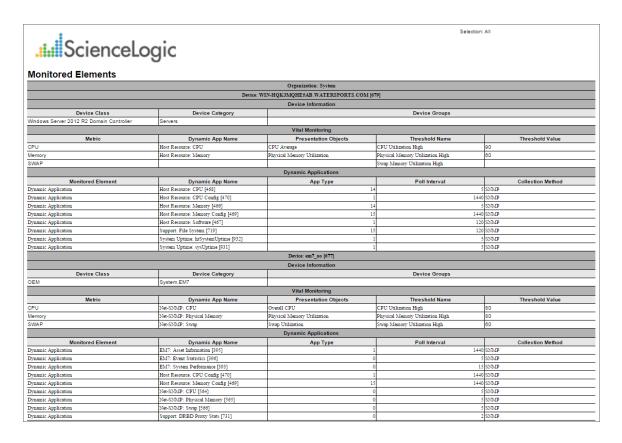
For each *Monitored Process*, the report displays columns for Monitored Element, Process Name, Running, Monitoring, and Alert When.

For each *Monitored Service*, the report displays columns for Monitored Element, Service Name, Running, Monitored, and Alert When.

For each Port Monitor, the report displays columns for Monitored Element, IP, Port, Procotol, and Critical Poll.

For each **SOAP-XML Monitor**, the report displays columns for Monitored Element, Policy Name, URL, Expression Check 1, and Expression Check 2.

For each **SSL Certificate**, the report displays columns for Monitored Element, Cert ID, Certificate Organization, Common Name, and Expiration Date.



The following input options are available when generating the report:

- **Device Selection**: Select the devices that will appear in the report. The following input elements appear in this component:
  - o All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
    report will contain only the devices in the organizations you select. You can further filter the list of
    devices by selecting the Select individual items checkbox.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to select the individual devices to include in the report.
  - Devices by Organization. If the Select individual devices checkbox is selected, you can select one or more devices (in the organization(s) selected in the Organizations field) to include in the report.
- Device Group Selector. Select one or multiple or all device groups to include in the report.
- Timezone. Select a time zone for the report.
- Separated By. Group elements by Organization and/or Device Group.

#### Devices > Monitored Services

For each selected device, displays a list of discovered Windows Services and system processes. For each Windows service and system process, the report displays default columns of Service/Process Name, Running, Monitored, and Alert When.

You can customize the output of the report to show only services and processes for which a monitoring policy has been set up, only services and processes that are not monitored, or all services and processes.

			Selec	tion: Selected
Scienc	eLoaic			
	3			
ed Services				
	Organizatio			
Maritana d O and a san	Device: ACME - WEB III		Manhand	A Lord 1889 -
Monitored Services:	Service Name	Running	Monitored	Alert Whe
	World Wide Web Publishing Service World Wide Web Publishing Service	Running Running	Y	When Stopped When Stopped
	World Wide Web Publishing Service	Running	Ÿ	When Stopped
	World Wide Web Publishing Service	Running	Ÿ	When Stopped
	Device: ACME - WEB-III		'	Ivineir Otopped
Monitored Services:	Service Name	Running	Monitored	Alert Whe
	World Wide Web Publishing Service	Running	Y	When Stopped
	World Wide Web Publishing Service	Running	Y	When Stopped
	World Wide Web Publishing Service	Running	Y	When Stopped
	World Wide Web Publishing Service	Running	Y	When Stopped
	Organization: H			
	Device: DEMO-AP-01.demo.			
Monitored Services:	Service Name	Running	Monitored	Alert Whe
	World Wide Web Publishing Service	Not Running	Υ	When Stopped
	Device: DEMO-			
Monitored Services:	Service Name	Running	Monitored	Alert Whe
	World Wide Web Publishing Service	Running	Y	When Stopped
	Device: DEMO-V			
Monitored Services:	Service Name	Running	Monitored	Alert Whe
	Windows Time Windows Time	Running Running	Y	When Running When Running
	World Wide Web Publishing Service	Running	Y	When Stopped
	World Wide Web Publishing Service	Running	V	When Stopped
	Device: Demo_Exch		<u>'</u>	when otopped
Monitored Services:	Service Name	Running	Monitored	Alert Who
Michitored Services.	World Wide Web Publishing Service	Not Running	Y	When Stopped
	Device: Demo_Ly		<u>'</u>	Timen otopped
Monitored Services:	Service Name	Running	Monitored	Alert Whe
monitored out vices.	World Wide Web Publishing Service	Running	Y	When Stopped
	Device: LA-DO			
Monitored Services:	Service Name	Running	Monitored	Alert Whe
	Microsoft Exchange Event	Not Running	Υ	When Stopped
	Microsoft Exchange IMAP4	Not Running	Υ	When Stopped
	Microsoft Exchange Information Store	Not Running	Υ	When Stopped
	Microsoft Exchange Management	Not Running	Υ	When Stopped
	Microsoft Exchange MTA Stacks	Not Running	Y	When Stopped
	Microsoft Exchange POP3	Not Running	Y	When Stopped
	Microsoft Exchange Routing Engine	Not Running	Y	When Stopped
	Microsoft Exchange Site Replication Sen Microsoft Exchange System Attendant	Not Running	Y	When Stopped When Stopped
	World Wide Web Publishing Service	Not Running Not Running	V	When Stopped
	Device: VPM Equin		<u> </u>	pvvien Stopped
Monitored Services:	Service Name	Running	Monitored	Alert Whe
monitored Services:	World Wide Web Publishing Service	Running	wonitored	When Stopped
	Device: WIN-DEMO-DC2.demo		45521	rwien otopped
Monitored Services:	Service Name	Running	Monitored	Alert Whe
monitored Services.	World Wide Web Publishing Service	Running	V	When Stopped
	Promo Tride Tree Facilities	p to ming	1.	Tarion Otopped

The following input options are available when generating the report:

- **Select By**. Select the devices that will appear in the report. The following input elements appear in this component:
  - Org/Device; Org/Asset; ESX Server/VM. Your selection will have an affect on the fields described below.
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Org/Asset. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific assets in those organizations.
    - ESX Server/VM. When selected, you will have the option to select all, multiple, or individual ESX Servers, then you can optionally select specific Guest VMs on those ESX Servers.
  - ° All Items. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations/ESX Server. If the All Items checkbox is unselected, select multiple or individual
    Organizations or ESX servers. The report will contain only the devices in the organizations you select,
    or only Guest VMs on the ESX servers you select. You can further filter the list of devices or guest VMs
    by selecting the Select individual items checkbox.

You can further reduce the list of assets to include on the report. Depending on your selection in the Org/Device; Org/Asset; ESX Server/VM radio buttons, you can select specific assets, devices, or Guest VMs from the organizations or ESX servers you selected in the Organizations/ESX Server Select list. Use the following fields if you want to select individual items:

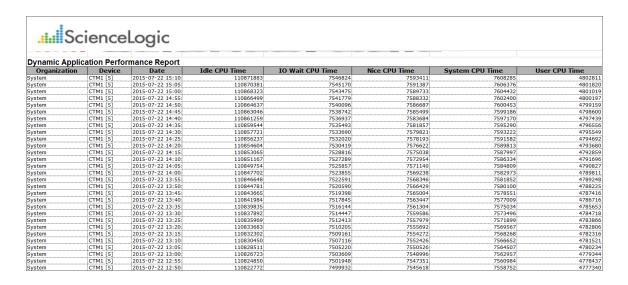
- Select individual items. If the All Items checkbox is unselected, the Select individual items checkbox is available. Select this checkbox if you would like to select the individual Devices, Assets, or Guest VMs to include in the report.
- Devices/Assets by Organization, Guest VMs by ESX Server. Select one or multiple devices or assets by organization, or individual guest VMs by ESX server, to include in the report.
- Device Group Selector. Select one or multiple or all device groups to include in the report.
- **Show**. Include all services and processes, monitored services and processes only, or only services and processes that are not monitored.
- **Separated By**. Group asset records by Organization and/or Device Group.

### Devices > Performance Multi Object/Device Table

This report displays the collected data from the specified Dynamic Application on each selected device. The first report, Sheet 1: Source Data, displays organization or group, device, date, and the specified collection objects.

The second report, *Sheet 2: Control*, displays the default rows of Description, Report Version, Generated On, Organizations or Groups, Devices, Dynamic Application, Collection Objects, Categories, Start Date, and Duration.

You can customize the output of the report by selecting devices by group or organization, and selecting the time span of the report.



The following input options are available for this report:

- **Selected By**: Select the devices that will appear in the report. The following input elements appear in this component:
  - o Org/Device; Group/Device. Your selection will have an affect on the fields described below.
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Group/Device. When selected, you have the option to select all, multiple, or individual device groups, then you can optionally select specific devices in the device group(s).

You can further reduce the list of devices to include on the report. Depending on your selection in the *Org/Device*; *Group/Device*; radio buttons, you can select specific devices from the organizations or device groups you selected in the *Organizations/Groups* list. Use the following fields if you want to select individual items:

- Select individual devices. Select this checkbox if you would like to select the individual devices to
  include in the report. The devices will change based on the selection in the *Dynamic Application*field. You can only select devices that are aligned to the selected Dynamic Application.
- **Dynamic Application**. Select a Dynamic Application to include in the report. Your selection will change the values displayed in the **Collection Objects** and Select Individual Devices fields.
- Collection Objects. Select one, multiple, or all collection objects associated with the Dynamic Application.
- Categories. By default, all device categories will be included in the report. Select the Select individual categories checkbox to select one or more device categories.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report.
- **Starting**. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report.
- **Duration**. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report.
- **Timezone**. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.

#### Devices > Performance Multi-Device

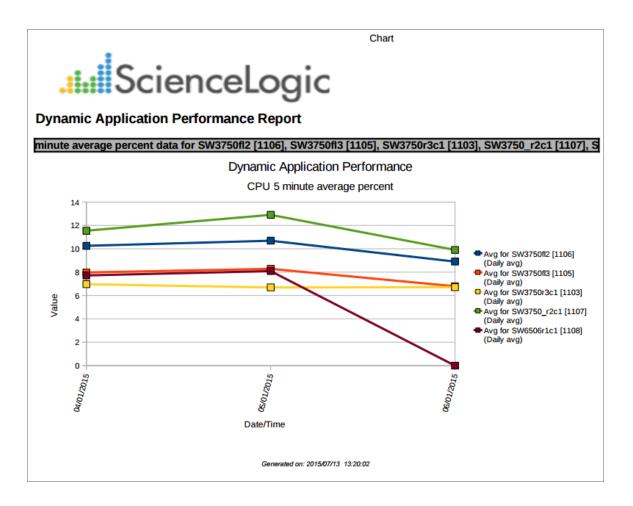
This report displays the collected data from one presentation object from a selected Dynamic Application on one or more selected devices. If you select a time span of one day, the report displays raw data. If you select a weekly or monthly time span, the report displays normalized data, with one value per day.

The first report, Sheet 1: Chart, displays a single chart. The single chart displays the value of the single presentation object on each selected device. The chart displays a single line for each device. For presentation objects that return multiple values (indexes), you must specify an instance normalization so that the chart will contain only one line per device.

The second report, *Sheet 2: Source*, displays a single table for all selected devices. The table displays a column for each device and a row for each time interval. If you selected a time span of one day, the report displays raw data, at the interval at which it was collected. If you selected a weekly or monthly time span, the report displays normalized data, with one value per day.

The third report, *Sheet 3: Control*, displays the default rows of Description, Report Version, Generated On, Organizations or Groups, Devices, Dynamic Application, Presentation Object, Categories, Start Date, and Duration.

You can customize the output of the report by selecting devices by device group or by organization, filtering the list of devices by device category, selecting the time span of the report, specifying the data normalization (average, sum, minimum, maximum), and instance normalization.



The following input options are available for this report:

- **Dynamic Application**. Select a Dynamic Application to include in the report. Your selection will change the values displayed in the **Presentation Object** and **Selected By** fields.
- **Presentation Object**. Select one presentation object from the list of presentation objects in the selected Dynamic Application.
- **Selected By**: Select the devices that will appear in the report. The following input elements appear in this component:
  - Group by Organization; Group by Device Class. Specifies how you want devices to appear in the list of devices in the selection field and in the report.
    - Group by Organization. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Group by Device Class. When selected, you have the option to select all, multiple, or individual device groups, then you can optionally select specific devices in the device classes(s).
- Categories. To select individual categories to include in the report, select the Select individual categories checkbox, and select the desired categories from the box below.

- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report.
- **Starting**. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report.
- **Duration**. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report.
- **Timezone**. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- Data Normalization. Specifies the method for creating a daily value for each presentation object. If you selected Daily in the Report Span fields, the report displays a raw value for the presentation object, at the interval at which each value was collected. If you selected Weekly or Monthly in the Report Span fields, the report displays a single normalized value per day for the selected presentation object. In the Data Normalization field, you can specify whether you want the report to include:
  - Daily Average. Average of all the values for a presentation object for each 24-hour period.
  - o Daily Sum. Sum of all the values for a presentation object for each 24-hour period.
  - o Daily Minimum. Minimum value of all the values for a presentation object for each 24-hour period.
  - o Daily Maximum. Maximum value of all the values for a presentation object for each 24-hour period.
- *Instance Normalization*. For presentation objects that return multiple values (indexes), specifies which value to use for each instance. Choices are:
  - Maximum. Use the highest value collected at each collection interval. If you selected Weekly or
    Monthly in the Report Span fields, the report uses these maximum values to calculate the a single
    normalized value per day (specified in the Data Normalization field) for the selected presentation
    object.
  - Minimum. Use the lowest value collected at each collection interval. If you selected Weekly or
    Monthly in the Report Span fields, the report uses these minimum values to calculate a single
    normalized value per day (specified in the Data Normalization field) for the selected presentation
    object.
  - Average. Calculate the average of all values collected at a single collection interval. If you selected
    Weekly or Monthly in the Report Span fields, the report uses these average values to calculate the a
    single normalized value per day (specified in the Data Normalization field) for the selected
    presentation object.

#### Devices > Performance Multi-Device/Instance

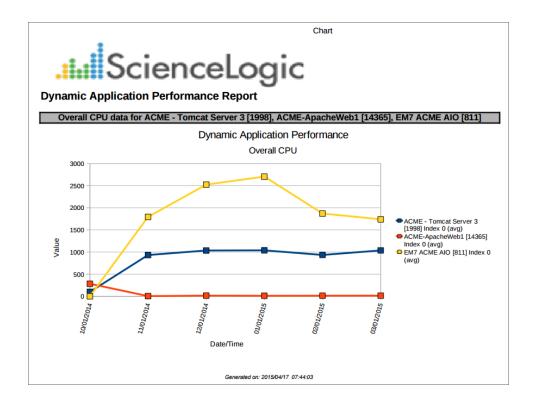
This report displays the collected data from one presentation object from a selected Dynamic Application on one or more selected devices. If you select a time span of one day, the report displays raw data. If you select a weekly or monthly time span, the report displays normalized data, with one value per day.

The first report, *Sheet 1: Chart*, displays a single chart. The single chart displays the value of the single presentation object on each selected device. The chart displays a single line for each device. For presentation objects that return multiple values (indexes), the chart will include a line for each index.

The second report, *Sheet 2: Source*, displays a single table for all selected devices. The table displays a column for each device and a row for each time interval. For presentation objects that return multiple values (indexes), the chart will include a column for each index on each device. If you selected a time span of one day, the report displays raw data, at the interval at which it was collected. If you selected a weekly or monthly time span, the report displays normalized data, with one value per day.

The third report, *Sheet 3: Control*, displays the default rows of Description, Report Version, Generated On, Organizations or Groups, Devices, Dynamic Application, Presentation Object, Categories, Start Date, and Duration.

You can customize the output of the report by selecting devices by device group or by organization, filtering the list of devices by device category, selecting the time span of the report, and specifying the data normalization (average, sum, minimum, maximum).



The following input options are available for this report:

- **Select By**: Select the devices that will appear in the report. The following input elements appear in this component:
  - Org/Device; Group/Device. Your selection will have an affect on the fields described below.
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Group/Device. When selected, you have the option to select all, multiple, or individual device groups, then you can optionally select specific devices in the device group(s).

You can further reduce the list of devices to include on the report. Depending on your selection in the Org/Device; Group/Device; radio buttons, you can select specific devices from the organizations or device groups you selected in the Organizations/Groups list. Use the following fields if you want to select individual items:

- Select individual devices. Select this checkbox if you would like to select the individual devices to
  include in the report. The devices will change based on the selection in the *Dynamic Application*field. You can select only devices that are aligned to the selected Dynamic Application.
- **Dynamic Application**. Select a Dynamic Application to include in the report. Your selection will change the values displayed in the **Presentation Objects** and Select Individual Devices fields.
- **Presentation Object**. Select one presentation object from the list of presentation objects in the selected Dynamic Application.
- Categories. By default, all device categories will be included in the report. Select the Select individual categories checkbox to select one or more device categories.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report.
- **Starting**. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report.
- **Duration**. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report.
- **Timezone**. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- **Data Normalization**. Specifies the method for creating a daily value for each presentation object. If you selected *Daily* in the **Report Span** fields, the report displays raw value for the presentation object, at the interval at which each value was collected. If you selected *Weekly* or *Monthly* in the **Report Span** fields, the report displays a single normalized value per day for the selected presentation object. In the **Data Normalization** field, you can specify whether you want the report to include:
  - Daily Average. Average of all the values for a presentation object for each 24-hour period.
  - o Daily Sum. Sum of all the values for a presentation object for each 24-hour period.

- ° Daily Minimum. Minimum value of all the values for a presentation object for each 24-hour period.
- ° Daily Maximum. Maximum value of all the values for a presentation object for each 24-hour period.

# Devices > Performance Multi-Device/Object

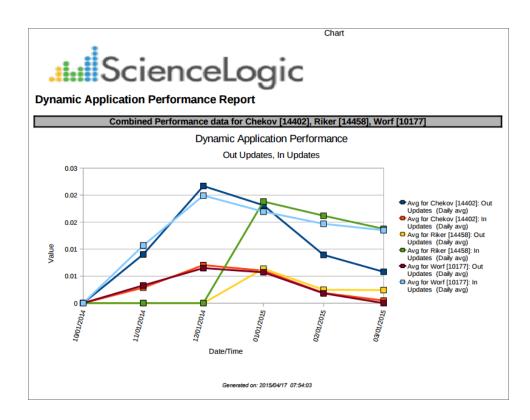
This report displays the collected data from one or more presentation objects from a selected Dynamic Application on one or more selected devices. If you select a time span of one day, the report displays raw data. If you select a weekly or monthly time span, the report displays normalized data, with one value per day.

The first report, Sheet 1: Chart, displays a single chart that shows each selected device. The chart displays a line for each selected presentation object on each device, over time. Each chart displays a single line for each presentation object. For presentation objects that return multiple values (indexes), you must specify an instance normalization so that the chart will contain only one line per presentation object/device.

The second report, *Sheet 2: Source*, displays a single table for all selected devices. The table displays a column for each presentation object on each device and a row for each time interval. If you selected a time span of one day, the report displays raw data, at the interval at which it was collected. If you selected a weekly or monthly time span, the report displays normalized data, with one value per day.

The third report, *Sheet 3: Control*, displays the default rows of Description, Report Version, Generated On, Organizations or Groups, Devices, Dynamic Application, Presentation Object, Categories, Start Date, and Duration.

You can customize the output of the report by selecting devices by device group or by organization, filtering the list of devices by device category, selecting the time span of the report, specifying the data normalization (average, sum, minimum, maximum) and instance normalization.



The following input options are available for this report:

- **Select By**: Select the devices that will appear in the report. The following input elements appear in this component:
  - Org/Device; Group/Device. Your selection will have an affect on the fields described below.
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Group/Device. When selected, you have the option to select all, multiple, or individual device groups, then you can optionally select specific devices in the device group(s).

You can further reduce the list of devices to include on the report. Depending on your selection in the Org/Device; Group/Device; radio buttons, you can select specific devices from the organizations or device groups you selected in the Organizations/Groups list. Use the following fields if you want to select individual items:

- Select individual devices. Select this checkbox if you would like to select the individual devices to
  include in the report. The devices will change based on the selection in the *Dynamic Application*field. You can select only devices that are aligned to the selected Dynamic Application.
- **Dynamic Application**. Select a Dynamic Application to include in the report. Your selection will change the values displayed in the **Presentation Objects** and Select Individual Devices fields.
- **Presentation Objects**. Select one or more presentation objects from the list of presentation objects in the selected Dynamic Application. To select multiple presentation objects, hold the **<Shift>** key while selecting with the mouse.
- Categories. By default, all device categories will be included in the report. Select the Select individual categories checkbox to select one or more device categories.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report.
- **Starting**. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report.
- **Duration**. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report.
- **Timezone**. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- Data Normalization. Specifies the method for creating a daily value for each presentation object. If you selected Daily in the Report Span fields, the report displays raw value for the presentation object, at the interval at which each value was collected. If you selected Weekly or Monthly in the Report Span fields, the report displays a single normalized value per day for the selected presentation object. In the Data Normalization field, you can specify whether you want the report to include:
  - Daily Average. Average of all the values for a presentation object for each 24-hour period.
  - Daily Sum. Sum of all the values for a presentation object for each 24-hour period.

- o Daily Minimum. Minimum value of all the values for a presentation object for each 24-hour period.
- Daily Maximum. Maximum value of all the values for a presentation object for each 24-hour period.
- *Instance Normalization*. For presentation objects that return multiple values (indexes), specifies which value to use for each instance. Choices are:
  - Maximum. Use the highest value collected at each collection interval. If you selected Weekly or
    Monthly in the Report Span fields, the report uses these maximum values to calculate a single
    normalized value per day (specified in the Data Normalization field) for the selected presentation
    object.
  - Minimum. Use the lowest value collected at each collection interval. If you selected Weekly or
    Monthly in the Report Span fields, the report uses these minimum values to calculate a single
    normalized value per day (specified in the Data Normalization field) for the selected presentation
    object.
  - Average. Calculate the average of all values collected at a single collection interval. If you selected
    Weekly or Monthly in the Report Span fields, the report uses these average values to calculate a
    single normalized value per day (specified in the Data Normalization field) for the selected
    presentation object.

#### Devices > Performance Multi-Device/Object/Instance

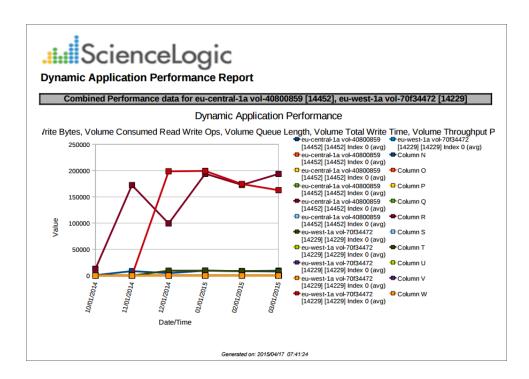
This report displays the collected data from one or more presentation objects from a selected Dynamic Application on one or more selected devices. If you select a time span of one day, the report displays raw data. If you select a weekly or monthly time span, the report displays normalized data, with one value per day.

The first report, Sheet 1: Chart, displays a single chart that shows each selected device. The chart displays a line for each selected presentation object on each device, over time. For presentation objects that return multiple values (indexes), the chart displays a line for each index on each device.

The second report, Sheet 2: Source, displays a single table for all selected devices. The table displays a column for each presentation object on each device and a row for each time interval. For presentation objects that return multiple values (indexes), the table will include a column for each index. If you selected a time span of one day, the report displays raw data, at the interval at which it was collected. If you selected a weekly or monthly time span, the report displays normalized data, with one value per day.

The third report, *Sheet 3: Control*, displays the default rows of Description, Report Version, Generated On, Organizations or Groups, Devices, Dynamic Application, Presentation Object, Categories, Start Date, and Duration.

You can customize the output of the report by selecting devices by device group or by organization, filtering the list of devices by device category, selecting the time span of the report, and specifying the data normalization (average, sum, minimum, maximum).



The following input options are available for this report:

- **Selected By**: Select the devices that will appear in the report. The following input elements appear in this component:
  - Org/Device; Group/Device. Your selection will have an affect on the fields described below.
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Group/Device. When selected, you have the option to select all, multiple, or individual device groups, then you can optionally select specific devices in the device group(s).

You can further reduce the list of devices to include on the report. Depending on your selection in the Org/Device; Group/Device; radio buttons, you can select specific devices from the organizations or device groups you selected in the Organizations/Groups list. Use the following fields if you want to select individual items:

- Select individual devices. Select this checkbox if you would like to select the individual devices to
  include in the report. The devices will change based on the selection in the *Dynamic Application*field. You can select only devices that are aligned to the selected Dynamic Application.
- **Dynamic Application**. Select a Dynamic Application to include in the report. Your selection will change the values displayed in the **Presentation Objects** and Select Individual Devices fields.
- **Presentation Objects**. Select one or more presentation objects from the list of presentation objects in the selected Dynamic Application. To select multiple presentation objects, hold the **<Shift>** key while selecting with the mouse
- Categories. By default, all device categories will be included in the report. Select the Select individual categories checkbox to select one or more device categories.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report.
- **Starting**. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report.
- **Duration**. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report.
- **Timezone**. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.

- **Data Normalization**. Specifies the method for creating a daily value for each presentation object. If you selected *Daily* in the **Report Span** fields, the report displays raw value for the presentation object, at the interval at which each value was collected. If you selected Weekly or Monthly in the **Report Span** fields, the report displays a single normalized value per day for the selected presentation object. In the **Data Normalization** field, you can specify whether you want the report to include:
  - ° Daily Average. Average of all the values for a presentation object for each 24-hour period.
  - o Daily Sum. Sum of all the values for a presentation object for each 24-hour period.
  - o Daily Minimum. Minimum value of all the values for a presentation object for each 24-hour period.
  - o Daily Maximum. Maximum value of all the values for a presentation object for each 24-hour period.

## Devices > Performance Multi-Object

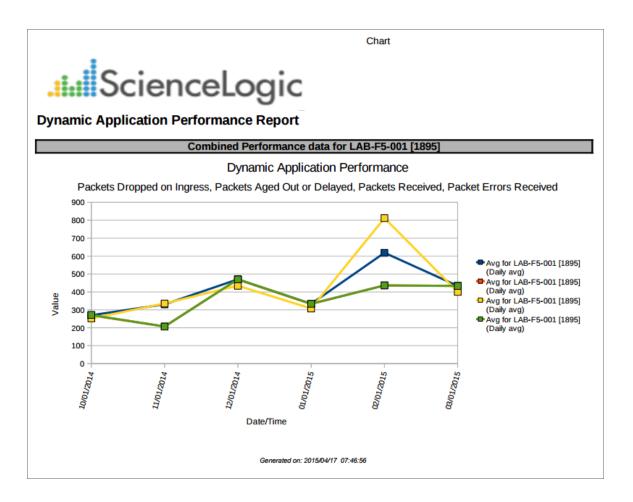
This report displays the collected data from one or more presentation objects from a selected Dynamic Application on one or more selected devices. If you select a timespan of one day, the report displays raw data. If you select a weekly or monthly time span, the report displays normalized data, with one value per day.

The first report, Sheet 1: Chart, displays a chart for each selected device. The chart for each device displays a line for the value of each selected presentation object, over time. Each chart displays a single line for each presentation object. For presentation objects that return multiple values (indexes), you must specify an instance normalization so that the chart will contain only one line per presentation object.

The second report, *Sheet 2: Source*, displays a table for each selected device. The table for each device displays a column for each presentation object and a row for each time interval. If you selected a time span of one day, the report displays raw data, at the interval at which it was collected. If you selected a weekly or monthly time span, the report displays normalized data, with one value per day.

The third report, *Sheet 3: Control*, displays the default rows of Description, Report Version, Generated On, Organizations or Groups, Devices, Dynamic Application, Presentation Object, Categories, Start Date, and Duration.

You can customize the output of the report by selecting devices by device group or by organization, filtering the list of devices by device category, selecting the time span of the report, specifying the data normalization (average, sum, minimum, maximum) and instance normalization.



The following input options are available for this report:

- **Selected By**: Select the devices that will appear in the report. The following input elements appear in this component:
  - ° Org/Device; Group/Device. Your selection will have an affect on the fields described below.
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Group/Device. When selected, you have the option to select all, multiple, or individual device groups, then you can optionally select specific devices in the device group(s).

You can further reduce the list of devices to include on the report. Depending on your selection in the Org/Device; Group/Device; radio buttons, you can select specific devices from the organizations or device groups you selected in the Organizations/Groups list. Use the following fields if you want to select individual items:

Select individual devices. Select this checkbox if you would like to select the individual devices to
include in the report. The devices will change based on the selection in the *Dynamic Application*field. You can select only devices that are aligned to the selected Dynamic Application.

- **Dynamic Application**. Select a Dynamic Application to include in the report. Your selection will change the values displayed in the **Presentation Objects** and Select Individual Devices fields.
- **Presentation Objects**. Select one or more presentation objects from the list of presentation objects in the selected Dynamic Application. To select multiple presentation objects, hold the **<Shift>** key while selecting with the mouse.
- Categories. By default, all device categories will be included in the report. Select the Select individual categories checkbox to select one or more device categories.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report.
- **Starting**. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report.
- **Duration**. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report.
- **Timezone**. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- Data Normalization. Specifies the method for creating a daily value for each presentation object. If you selected Daily in the Report Span fields, the report displays raw value for the presentation object, at the interval at which each value was collected. If you selected Weekly or Monthly in the Report Span fields, the report displays a single normalized value per day for the selected presentation object. In the Data Normalization field, you can specify whether you want the report to include:
  - Daily Average. Average of all the values for a presentation object for each 24-hour period.
  - Daily Sum. Sum of all the values for a presentation object for each 24-hour period.
  - Daily Minimum. Minimum value of all the values for a presentation object for each 24-hour period.
  - o Daily Maximum. Maximum value of all the values for a presentation object for each 24-hour period.
- *Instance Normalization*. For presentation objects that return multiple values (indexes), specifies which value to use for each instance. Choices are:
  - Maximum. Use the highest value collected at each collection interval. If you selected Weekly or
    Monthly in the Report Span fields, the report uses these maximum values to calculate the a single
    normalized value per day (specified in the Data Normalization field) for the selected presentation
    object.
  - Minimum. Use the lowest value collected at each collection interval. If you selected Weekly or
    Monthly in the Report Span fields, the report uses these minimum values to calculate a single
    normalized value per day (specified in the Data Normalization field) for the selected presentation
    object.
  - Average. Calculate the average of all values collected at a single collection interval. If you selected
    Weekly or Monthly in the Report Span fields, the report uses these average values to calculate the a
    single normalized value per day (specified in the Data Normalization field) for the selected
    presentation object.

- Max Number of Devices. Specify the maximum number of devices to include in the report. SL1 searches for devices alphabetically, first alphabetically by Organization or Device Group, as specified in the Selected By field, then within the Organization or Device Group, alphabetically by device name.
- Offset from first record. Specify the number of devices to skip before including devices in the report. You must know the first record that SL1 will find before you can specify a value in this field.

## Devices > Performance Multi-Object/Instance

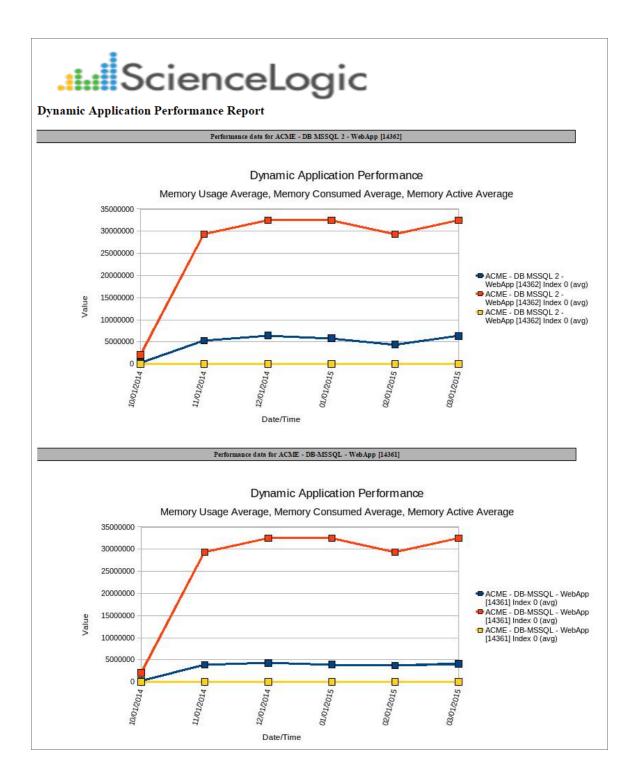
This report displays the collected data from one or more presentation objects from a selected Dynamic Application on one or more selected devices. If you select a time span of one day, the report displays raw data. If you select a weekly or monthly time span, the report displays normalized data, with one value per day.

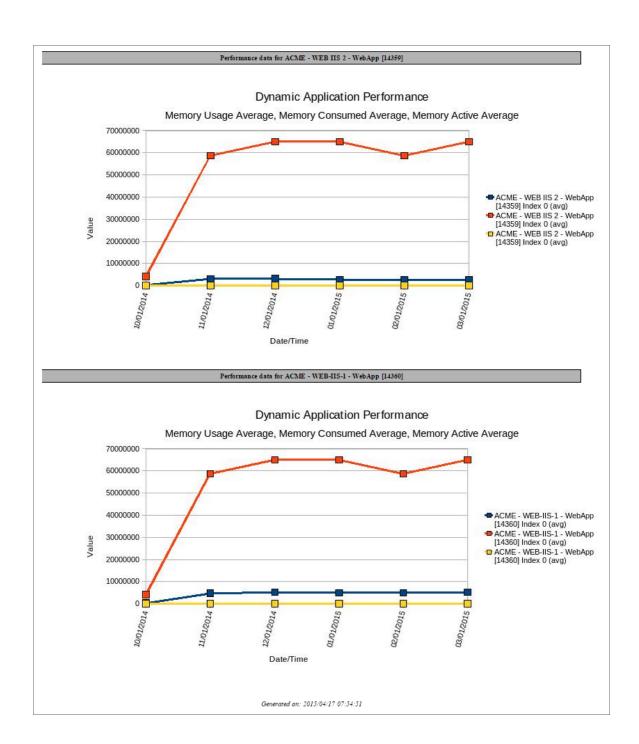
The first report, *Sheet 1: Chart*, displays a chart for each selected device. The chart for each device displays the value of the selected presentation objects over time. For presentation objects that return multiple values (indexes), the chart for each selected device will include multiple lines for those presentation objects, one for each instance.

The second report, *Sheet 2: Source*, displays a table for each selected device. The table for each device displays a column for each presentation object. For presentation objects that return multiple values (indexes), the table will include a column for each index. If you selected a time span of one day, the report displays raw data, at the interval at which it was collected. If you selected a weekly or monthly time span, the report displays normalized data, with one value per day.

The third report, *Sheet 3: Control*, displays the default rows of Description, Report Version, Generated On, Organizations or Groups, Devices, Dynamic Application, Presentation Object, Categories, Start Date, and Duration.

You can customize the output of the report by selecting devices by device group or by organization, filtering the list of devices by device category, selecting the time span of the report, and specifying the data normalization (average, sum, minimum, maximum).





The following input options are available for this report:

- **Selected By**: Select the devices that will appear in the report. The following input elements appear in this component:
  - Org/Device; Group/Device. Your selection will have an affect on the fields described below.
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Group/Device. When selected, you have the option to select all, multiple, or individual device groups, then you can optionally select specific devices in the device group(s).

You can further reduce the list of devices to include on the report. Depending on your selection in the *Org/Device*; *Group/Device*; radio buttons, you can select specific devices from the organizations or device groups you selected in the *Organizations/Groups* list. Use the following fields if you want to select individual items:

- Select individual devices. Select this checkbox if you would like to select the individual devices to
  include in the report. The devices will change based on the selection in the *Dynamic Application*field. You can select only devices that are aligned to the selected Dynamic Application.
- **Dynamic Application**. Select a Dynamic Application to include in the report. Your selection will change the values displayed in the **Presentation Objects** and Select Individual Devices fields.
- **Presentation Objects**. Select one or more presentation objects from the list of presentation objects in the selected Dynamic Application. To select multiple presentation objects, hold the **<Shift>** key while selecting with the mouse.
- Categories. By default, all device categories will be included in the report. Select the Select individual categories checkbox to select one or more device categories.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report.
- **Starting**. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report.
- **Duration**. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report.
- **Timezone**. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- Data Normalization. Specifies the method for creating a daily value for each presentation object. If you selected Daily in the Report Span fields, the report displays raw value for the presentation object, at the interval at which each value was collected. If you selected Weekly or Monthly in the Report Span fields, the report displays a single normalized value per day for the selected presentation object. In the Data Normalization field, you can specify whether you want the report to include:
  - Daily Average. Average of all the values for a presentation object for each 24-hour period.
  - Daily Sum. Sum of all the values for a presentation object for each 24-hour period.

- ° Daily Minimum. Minimum value of all the values for a presentation object for each 24-hour period.
- ° Daily Maximum. Maximum value of all the values for a presentation object for each 24-hour period.

## Devices > Performance Single Object

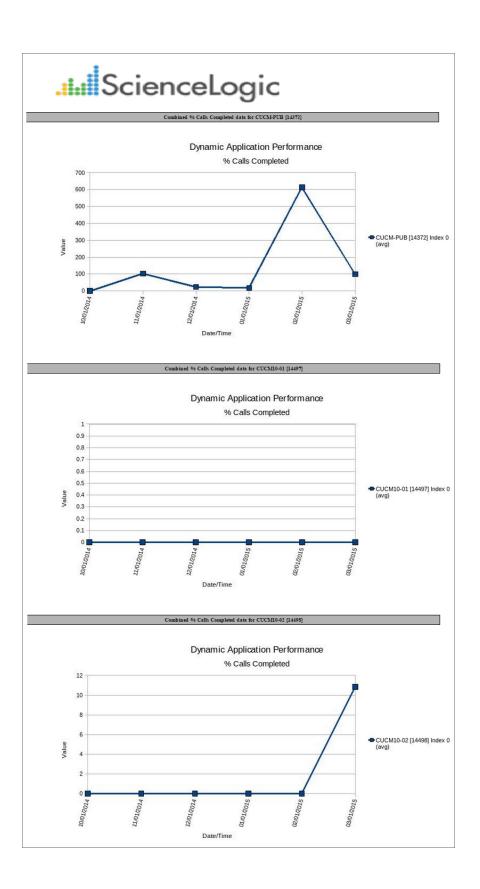
This report displays the collected data from a single presentation object from a selected Dynamic Application on one or more selected devices. If you select a time span of one day, the report displays raw data. If you select a weekly or monthly time span, the report displays normalized data, with one value per day.

The first report, Sheet 1: Chart, displays a chart for each selected device. The chart for each device displays the value of the selected presentation object over time. For presentation objects that return multiple values (indexes), the chart for each selected device will include multiple lines, one for each instance.

The second report, Sheet 2: Source, displays a table for each selected device. The table for each device displays a column for each value at each time interval. For presentation objects that return multiple values (indexes), the table will include a column for each index. If you selected a time span of one day, the report displays raw data, at the interval at which it was collected. If you selected a weekly or monthly time span, the report displays normalized data, with one value per day.

The third report, *Sheet 3: Control*, displays the default rows of Description, Report Version, Generated On, Organizations or Groups, Devices, Dynamic Application, Presentation Object, Categories, Start Date, and Duration.

You can customize the output of the report by selecting devices by device group or by organization, filtering the list of devices by device category, selecting the time span of the report, and specifying the normalization (average, sum, minimum, maximum).



The following input options are available for this report:

- **Selected By**: Select the devices that will appear in the report. The following input elements appear in this component:
  - Org/Device; Group/Device. Your selection will have an affect on the fields described below.
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Group/Device. When selected, you have the option to select all, multiple, or individual device groups, then you can optionally select specific devices in the device group(s).

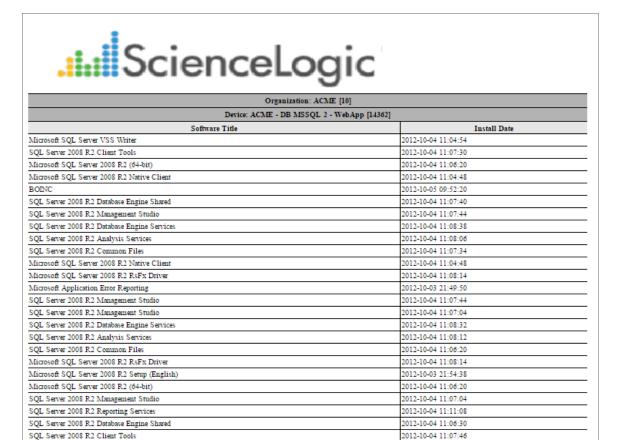
You can further reduce the list of devices to include on the report. Depending on your selection in the Org/Device; Group/Device; radio buttons, you can select specific devices from the organizations or device groups you selected in the Organizations/Groups list. Use the following fields if you want to select individual items:

- Select individual devices. Select this checkbox if you would like to select the individual devices to
  include in the report. The devices will change based on the selection in the *Dynamic Application*field. You can select only devices that are aligned to the selected Dynamic Application.
- **Dynamic Application**. Select a Dynamic Application to include in the report. Your selection will change the values displayed in the **Presentation Object** and Select Individual Devices fields.
- **Presentation Object**. Select a single presentation object from the list of presentation objects in the selected Dynamic Application.
- Categories. By default, all device categories will be included in the report. Select the Select individual categories checkbox to select one or more device categories.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report.
- **Starting**. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report.
- **Duration**. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report.
- **Timezone**. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- **Data Normalization**. Specifies the method for creating a daily value for each presentation object. If you selected *Daily* in the **Report Span** fields, the report displays raw value for the presentation object, at the interval at which each value was collected. If you selected *Weekly* or *Monthly* in the **Report Span** fields, the report displays a single normalized value per day for the selected presentation object. In the **Data Normalization** field, you can specify whether you want the report to include:
  - Daily Average. Average of all the values for a presentation object for each 24-hour period.
  - o Daily Sum. Sum of all the values for a presentation object for each 24-hour period.

- ° Daily Minimum. Minimum value of all the values for a presentation object for each 24-hour period.
- ° Daily Maximum. Maximum value of all the values for a presentation object for each 24-hour period.

#### Devices > Software List

For selected devices, assets, or ESX Server and Guest VMs, this report displays a list of installed software and the install date. For each device, asset or ESX Server and Guest VM, the report displays Software Title and Install Date.



Devices > Software List

The following input options are available when generating the report:

- **Select By**. Select the devices that will appear in the report. The following input elements appear in this component:
  - Org/Device; Org/Asset; ESX Server/VM. Your selection will have an affect on the fields described below.
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Org/Asset. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific assets in those organizations.
    - ESX Server/VM. When selected, you will have the option to select all, multiple, or individual ESX Servers, then you can optionally select specific Guest VMs on those ESX Servers.
  - ° All Items. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations/ESX Server. If the All Items checkbox is unselected, select multiple or individual
    Organizations or ESX servers. The report will contain only the devices in the organizations you select,
    or only Guest VMs on the ESX servers you select. You can further filter the list of devices or guest VMs
    by selecting the Select individual items checkbox.

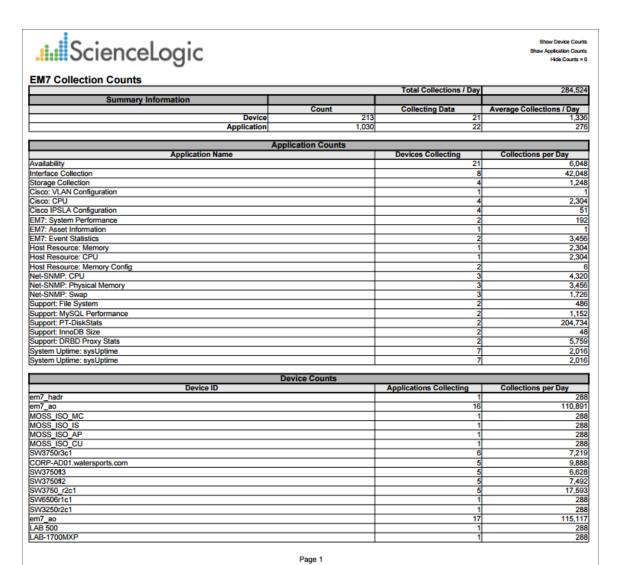
You can further reduce the list of assets to include on the report. Depending on your selection in the Org/Device; Org/Asset; ESX Server/VM radio buttons, you can select specific assets, devices, or Guest VMs from the organizations or ESX servers you selected in the Organizations/ESX Server Select list. Use the following fields if you want to select individual items:

- Select individual items. If the All Items checkbox is unselected, the Select individual items checkbox is available. Select this checkbox if you would like to select the individual Devices, Assets, or Guest VMs to include in the report.
- Devices/Assets by Organization, Guest VMs by ESX Server. Select one or multiple devices or assets by organization, or individual guest VMs by ESX server, to include in the report.
- Device Group Selector. Select one or multiple or all device groups to include in the report.
- Timezone. Select a time zone for the report.
- Separated By. Group software by Organization and/or Device Group.

#### EM7 Administration > Collection Count

This report displays information about the number of collections performed by SL1. The report can include the following tables:

- A summary of the number of collections being performed by SL1. This table is always included in the report. This table includes the following rows:
  - Devices. Displays the number of devices in the system, the number of devices for which SL1 is currently performing collection, and the average number of data points being collected per day for each device.
  - Applications. Displays the number of monitoring elements (Dynamic Applications, Monitoring Policies, Availability Collection Policies, Interface Collection Policies, and File System Collection Policies) currently aligned to devices in SL1, the number of monitoring elements for which SL1 is currently performing collection, and the average number of data points being collected per day for each monitoring element.
- A table that displays a list of all monitoring elements (Dynamic Applications, Monitoring Policies, Availability
  Collection Policies, Interface Collection Policies, and File System Collection Policies) currently aligned to
  devices in SL1. For each monitoring element, the report displays the number of devices with which that
  monitoring element is aligned and the average number of data points being collected per day for each
  monitoring element. This table is optional.
- A table that displays a list of all devices for which SL1 is performing collection. For each device, the report displays the number of monitoring elements aligned with the device and the average number of data points being collected per day for each device. This table is optional.



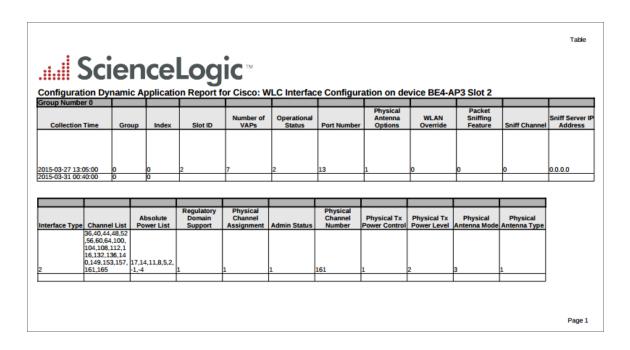
The following input options are available when generating the report:

- **Show Counts by Application**. If selected, the table that displays a list of all monitoring elements is included in the report.
- Show Counts by Device. If selected, the table that displays a list of all devices is included in the report.
- *Hide Zero Counts*. If selected, rows that would have a value of zero in the "Collections per Day" column are excluded from the report.

## EM7 Administration > Config Dynamic App

This report displays configuration data collected from a device using a Dynamic Application. For each table of data defined in the Dynamic Application, the report displays columns for collection time, group, and index, plus a column for each collection object.

You can customize the output of the report by specifying which collection objects to include and the time span of data to include.



NOTE: The above screenshot has been modified to improve clarity.

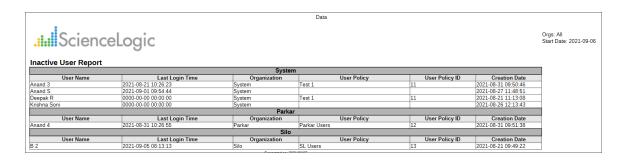
The following input options are available when generating the report:

- Organizations. Specify one or more organizations or all organizations to include in the report.
- **Contents**. Specify the configuration Dynamic Application, the collection objects you want to include in the report, and the device for which you want to generate the report.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.

#### EM7 Administration > Inactive User

This report shows users that have not logged in after a specified timestamp, or for a user created before the timestamp, whether that user has ever logged in. You can select a date span, such as monthly, weekly, or daily, and from the start date SL1 will calculate the timespan. You can also select a specific date as the starting timestamp for the report.

The report displays users who have logged in during the specific timespan and the timestamp of their last login. You can also choose to list the users' organization, user policy, user policy ID, and user creation date.



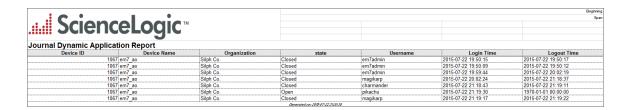
The following input options are available when generating the report:

- Organizations. Specify one or more organizations or all organizations to include in the report.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report, or select an Absolute Date Time for the timestamp used by the report.
- Optional Columns. You can choose to include the following columns: User Policy, User Policy ID, and User Creation Date.
- Sort by. You can choose to sort by User Name or Last Login, in ascending or descending order.

#### EM7 Administration > Journal Dynamic Application Report

This report displays a list of journal entries collected from multiple devices that are aligned with the same journal Dynamic Application. For each journal entry, the report displays the Device ID, Device Name, Organization, Device Group, State, and the collected data associated with the journal entry.

You can customize the output of the report by selecting the devices to include, which pieces of collected data will be displayed, and the time span of the report. You can also limit the report to include only journal entries that have a specific state.



The following input options are available when generating the report:

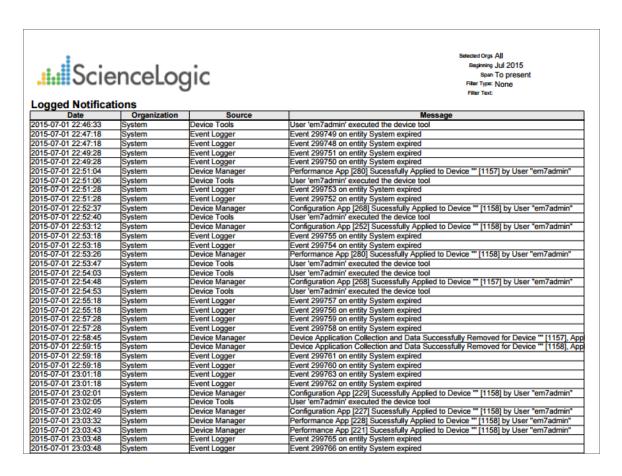
- Application. Select the journal Dynamic Application for the report in the Select Journal Dynamic
   Application field and then select one or more pieces of collected data to include in the report in the Select
   Fields for Report field.
- **Devices**: Select the devices that will appear in the report. The following input elements appear in this component:
  - Org/Device or Grp/Device. Select whether you want to choose devices by organization or by device group.
  - · All items. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations or Groups. If the All items checkbox is unselected, select one or more organizations or device groups. The report will contain only the devices in the organizations or device groups you select. You can further filter the list of devices to include in the report by selecting devices in the Devices by Organization or Devices by Groups field.
  - Select individual items. If the All devices checkbox is unselected, the Select individual devices
    checkbox is available. Select this checkbox if you would like to select the individual devices to include
    in the report.
  - Devices by Organization or Devices by Group. This field displays a list of all devices in the
    organizations or device groups selected in the Organizations or Groups field. If the Select individual
    devices checkbox is selected, you can select one or more devices to include in the report.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.
- **Journal States**. You can limit the report to include only journal entries that are in specific states. Select the journal entry states to include from the list of all possible journal entry states.

This description covers the latest version of this report as shipped by ScienceLogic. This report might have been modified on your SL1 system.

#### EM7 Administration > Logged Notifications

This report displays a list of messages in SL1 audit logs. Each entry includes the message description. The default input options for this report are Date, Organization, Source and Message.

You can customize the output options of the report by filtering that messages that will be displayed in the report, and the sources of the logged messages.



The following input options are available when generating the report:

- Filter Messages By. Specify the messages that will appear in the report based on the text they contain. Choices are:
  - Contains. Only log messages that contain the specified text will be included in the report.
  - Begins With. Only log messages that begin with the specified text will be included in the report.
  - Ends With. Only log messages that end with the specified text will be included in the report.
  - Exact Words. Only log messages that match the specified text will be included in the report.

- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.
- **Notification Sources**. Select the source of the log notifications. The following input options are available for this component:
  - ° All Sources. Select this checkbox to include all notification sources in the report.
  - Notification Sources. If the All Sources checkbox is unselected, this pane is available. Select one or more notification sources to be included in the report.
- **Organizations**. Select the organizations to be included in the report. The following input options are included in the component:
  - ° All Organizations. Select this checkbox to include all organizations in this report.
  - Organizations. If the All Organizations checkbox is unselected, this pane is available. Select one or more organizations to be included in the report.

## EM7 Administration > Missed Polls

This report displays the missed polls and their related devices in SL1. The default input options are Device Name, Device IP, Device Category, and Missed Polls.

You can customize the output of the report by selecting the time period of missed polls the report displays.

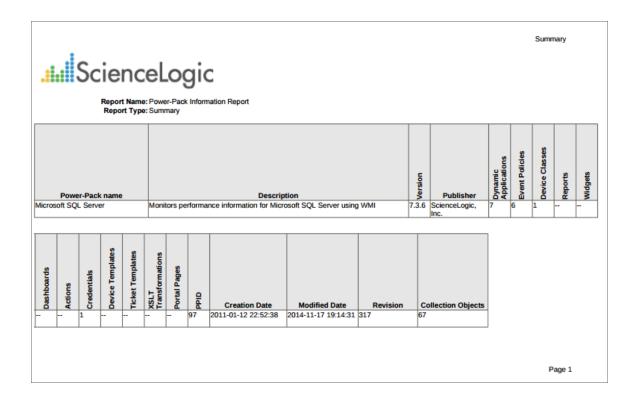
· • C -: -	Organizations All					
	encel oc	זוכ	Beginning Jul 2015			
	ScienceLogic					
	_	•				
lissed Polls						
Organization: TCP						
Device Name	Device IP	Device Category	Missed Polls			
m7-lb1.lit	10.20.0.240	Network.Application	346			
		Application Name	Missed Polls			
	Net-SNMP: CPU	118				
	Net-SNMP: Physical Memory		118			
	Net-SNMP: Swap		119			
Device Name	Device IP	Device Category	Missed Polls			
/IN-2012-22.DOCS.LC	C410.100.100.22	Servers	668			
		Application Name	Missed Polls			
	Host Resource: CPU		334			
	Host Resource: Mer		334			
Device Name	Device IP	Device Category	Missed Polls			
m7_ao	10.100.100.7	System.EM7	1133			
		Application Name	Missed Polls			
	EM7: Event Statistic		115			
	EM7: System Perfor	mance	3			
	Net-SNMP: CPU		115			
	Net-SNMP: Physica	al Memory	115			
	Net-SNMP: Swap					
	Support: DRBD Proxy Stats		115 288			
	Support: InnoDB Size					
	Support: MySQL Performance		38			
	Support: PT-DiskStats		300			
	System Uptime: hrSystemUptime					
Device Name	Device IP	Device Category	Missed Polls			
IOSS ISO AP	10.0.2.54	System.EM7	1002			
	Application Name		Missed Polls			
	Net-SNMP: CPU	334				
	Net-SNMP: Physical Memory		334			
	Net-SNMP: Swap		334			
Device Name	Device IP	Device Category	Missed Polls			
IOSS ISO CU	10.0.2.53	System,EM7	1447			
		Application Name	Missed Polls			
	EM7: Event Statistic	334				
	EM7: System Perfo	111				
	Net-SNMP: CPU		334			
	Net-SNMP: Physical Memory		334			
	Net-SNMP: Swap		334			
Device Name	Device IP	Device Category	Missed Polls			
IOSS ISO IS	10.0.2.55	System.EM7	1002			
m000_100_10		Application Name	Missed Polls			
	Net-SNMP: CPU		334			
	Net-SNMP: Physical Memory		334			
	Net-SNMP: Swap	334				
Device Name	Device IP	Device Category	Missed Polls			
MOSS_ISO_MC	10.0.2.56	System.EM7	1336			
	Application Name		Missed Polls			
			MISSEG POIIS			
	EM7: Event Statistics Net-SNMP: CPU		334			
	Net-SNMP: CPU Net-SNMP: Physical Memory		334			
	Net-SNMP: Swap		334			
		TCP Missed Polls:	20752			

The following input options are available for this report:

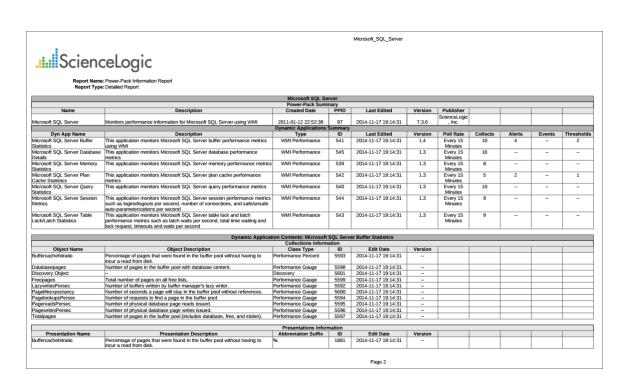
- Organizations. Specify one or more organizations or all organizations to include in the report.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.
- Show Missed Polls by Application. If you do not select this checkbox, the report will display the overall number of missed polls for each device. If you select this checkbox, the report will display the overall number of missed polls for each device and a list of Dynamic Applications aligned with each device, with the number of missed polls displayed for each Dynamic Application.
- Show Only Apps with Missed Polls. If you do not select this checkbox, the list of Dynamic Applications aligned with each device will include all Dynamic Applications. If you select this checkbox, the list of Dynamic Applications aligned with each device will include only Dynamic Applications that have a number of missed polls greater than one. This option has no effect if you do not select the Show Missed Polls by Application checkbox.

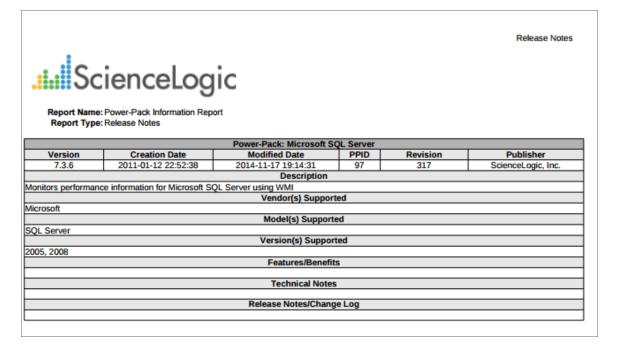
#### EM7 Administration > PowerPack Information

This report displays a list of installed PowerPacks in the SL1 system and includes details about each PowerPack. For each PowerPack, the report displays information about each content item in the PowerPack.



NOTE: The above screenshot has been modified to improve clarity.





The following input options are available for this report:

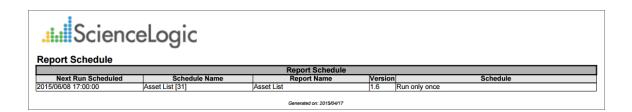
- Select PowerPacks. Select an installed PowerPacks to be included in the report.
- Report Type Selector. Select one or more tabs to appear on the report.

- Summary Tab. Select this checkbox if you want the Summary tab to appear on the report. This tab summarizes the PowerPack details, including its name, description, version number, and the number of each PowerPack component type that are included in the PowerPack, among other information.
- Release Notes Tab. Select this checkbox if you want the Release Notes tab to appear on the report.
   This tab includes information about the PowerPack's release, including its creation and modified date, the vendors and models supported, technical notes, and so forth.
- PowerPack Details. Select this checkbox if you want the PowerPack details tab to appear on the
  report. This tab is labeled with the PowerPack name and lists each component included in the
  PowerPack in detail. You can select which specific components are detailed on this tab by making
  selections in the PowerPack Details Selector field.
- Not Aligned-to-PP Tab. Select this checkbox if you want the Not Aligned to PowerPack tab to appear
  on the report. This tab includes a list of components that are included for potential use in the
  PowerPack but not aligned to it by default.
- **PowerPack Details Selector**. Select one or more PowerPack components to be included in the PowerPack Details section of the report.
  - Dynamic Apps Summary. This section lists all of the Dynamic Applications included in the PowerPack
    and a summary that includes the Description, Type, ID, Last Edited date, Version number, Poll Rate,
    and the number of Collection Objects, Alerts, Events, and Thresholds for each Dynamic Application.
  - Dynamic Apps Details. This section lists all of the Dynamic Applications included in the PowerPack
    and a detailed description of each Collection Object, Presentation Object, Alert, Event Policy, and
    Threshold for each Dynamic Application.
  - Event Policies. This section lists all of the Event Policies included in the PowerPack.
  - Device Classes. This section lists all of the Device Classes included in the PowerPack.
  - ° Reports. This section lists all of the Reports included in the PowerPack.
  - o Dashboard Widgets. This section lists all of the Dashboard Widgets included in the PowerPack.
  - o Dashboards. This section lists all of the Dashboards included in the PowerPack.
  - SL1 Dashboards. This section lists all of the SL1 Dashboards included in the PowerPack.
  - ScienceLogic Libraries. This section lists all of the ScienceLogic Libraries included in the PowerPack.
  - o Actions. This section lists all of the Run Book Actions included in the PowerPack.
  - ° Credentials. This section lists all of the Credentials included in the PowerPack.
- Sort Results By. Select the method by which you want the report details to be sorted in the generated report.

## EM7 Administration > Report Schedule

This report displays a list of scheduled reports from the Report Scheduler and details about each scheduled report. For each scheduled report, this Quick Report displays default columns of Next Run Scheduled, Schedule Name, Report Name, Version, and Schedule.

You can customize the output of the report to sort the scheduled reports by a selected column.



The following input options are available when generating the report:

- Sort By. Sort the information by Next Run Time, Report Name, Schedule Name, or Event ID.
- Timezone. Select a time zone for the report.

## EM7 Administration > Subscription License Usage Report by Device

This report displays the number of active and inactive licenses, by device. The report displays the default columns of Billing Category, Organizations, Device Name, Device Category, Device Subclass, and License Type.

You can customize the output to include a baseline or to separate license totals by type.

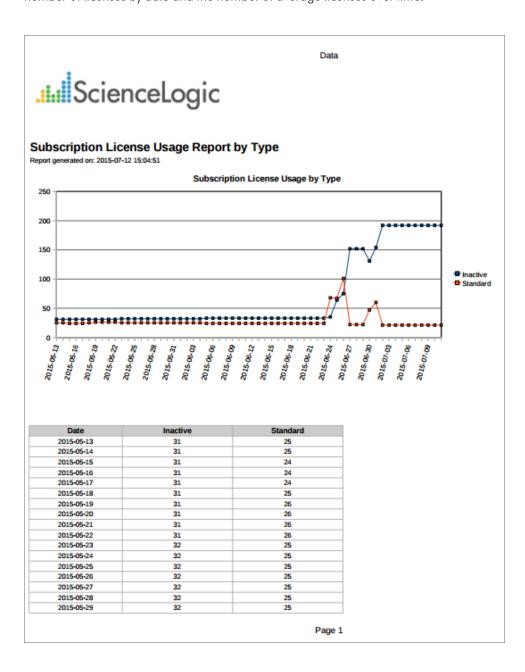
ense data gathered on: 2021-03-28 00	:00:00 UTC			
port generated on: 2021-03-29 20:31:0	8 UTC			
Billing Category	License Count	Last Subscription Crunch Count		
Test By Class	1	1		
Test By Performance Data	22	22		
Standard	2 2	22		
Totals	25			
lotais	25	25		
ctive count: 1				
st Subscription Inactive Count: 1				
urrent Devices In System				
Organization: BillingRaCyrus				
Organization	Device Name	Device Category	Device Subclass	License Type
BillingRaCyrus	AWS-root [40]	Cloud.Service	AWS   Service	Test Inactive
BillingRaCyrus	AIDA4QOTK4IQNWUIFRHR7 [41]	Cloud.Account	AWS   Account	Test By Class
BillingRaCyrus	OpsWorks Service [42]	Cloud.Service	AWS   OpsWorks Service	Test By Performance Da
BillingRaCyrus	CloudFront Service [43]	Cloud Service	AWS   CloudFront Service	Test By Performance Da
BillingRaCyrus	Route 53 Service [44]	Cloud.Service	AWS   Route 53 Service	Test By Performance Da
BillingRaCyrus	WAF Global Service [45]	Cloud.Service	AWS   WAF Global Service	Test By Performance Da
BillingRaCyrus	Shield Service [46]	Cloud Security	AWS   Shield Standard Service	Test By Performance Da
BillingRaCyrus	My Sample Stack (Linux) [47]	Cloud.Service	AWS   OpsWorks Stack	Test By Performance Da
BillingRaCyrus	s1ezw45xv7iyb9.cloudfront.net [48]	Cloud Storage	AWS   CloudFront RTMP Distribution	Test By Performance Da
BillingRaCyrus	d2cjaz4lkfb1yk.cloudfront.net [49]	Cloud Storage	AWS   CloudFront Web Distribution	Test By Performance Da
BillingRaCyrus	d13ro6fblf3bx7.cloudfront.net [50]	Cloud Storage	AWS   CloudFront Web Distribution	Test By Performance Da
BillingRaCyrus	d2vced5dzo973d.cloudfront.net [51]	Cloud Storage	AWS   CloudFront Web Distribution	Test By Performance Da
BillingRaCyrus	local. [53]	Cloud Network	AWS   Route 53 Hosted Zone	Test By Performance Da
BillingRaCyrus	production.mu-f8.local. [54]	Cloud Network	AWS   Route 53 Hosted Zone	Test By Performance Da
BillingRaCyrus	dcmr.com, [55]	Cloud.Network	AWS   Route 53 Hosted Zone	Test By Performance Da
BillingRaCyrus	local. [56]	Cloud Network	AWS   Route 53 Hosted Zone	Test By Performance Da
BillingRaCyrus	testnet.com, [57]	Cloud.Network	AWS   Route 53 Hosted Zone	Test By Performance Da
BillingRaCyrus	kubernetes.logic.com. [58]	Cloud.Network	AWS   Route 53 Hosted Zone	Test By Performance Da
BillingRaCyrus	dcmr-namespace, [59]	Cloud.Network	AWS   Route 53 Hosted Zone	Test By Performance Da
BillingRaCyrus	logic.com, [60]	Cloud.Network	AWS   Route 53 Hosted Zone	Test By Performance Da
BillingRaCyrus	local. [61]	Cloud.Network	AWS   Route 53 Hosted Zone	Test By Performance Da
BillingRaCyrus	sciencelogic.com. [63]	Cloud Network	AWS   Route 53 Hosted Zone	Test By Performance Da
BillingRaCyrus	GlobalWebACL [64]	Cloud.Security	AWS   WAF Global Web ACL	Test By Performance Da
BillingRaCyrus	www.google.com [66]	Cloud .Network	AWS I Route 53 Health Check	Standard

The following input options are available when generating the report:

- Organizations. Specify one or more organizations or all organizations to include in the report.
- Options. Separate the report into tables, with a table for each organization.

# EM7 Administration > Subscription License Usage Report by Type

This report displays the number of licenses, by type, in a line graph and also includes a table that displays the number of licenses by date and the number of average licenses over time.



The following input options are available when generating the report:

• *Timespan*. Select the number of days to include in the report. Choices are 30 days, 60 days, 90 days, 120 days, 180 days, and 365 days. The default value is 60 days.

# EM7 Administration > System Usage

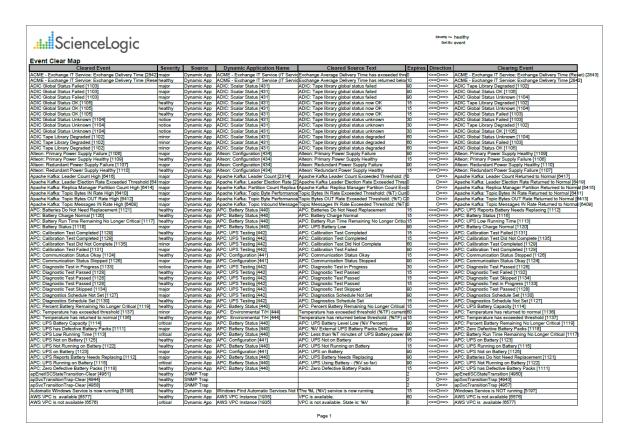
This report displays System Usage statistics for your SL1 system. This report displays the number of Managed Elements, Vital Monitors, Synthetic Monitors, Dynamic Monitors, Interface Monitors, and Custom Elements. Displays a total of all modeling elements in a system. There are no input or output options for this report.

System Usage Report	
Item	Count
Managed Organizations	28
User Accounts	
Managed External Contacts	
Managed Vendors	
Managed Devices	2:
Managed Assets Managed Networks	
Managed Networks  Total Managed Elements:	
CPU Monitors	
File System Monitors	
Physical & Virtual Memory Monitors	
Total Vital Monitors:	14
Domain Name Monitors	
Email Round-Trip Monitors	
SOAP / XML Transaction Monitors	
TCP/IP Port Monitors	
Web Content Monitors	
System Process Monitors	
SSL Cert Monitors	
Windows™ Service Monitors	
Total Synthetic Monitors: Dynamic Application™ SNMP Performance Elements	69
Dynamic Application™ SNMP Configuration Elements	126
Dynamic Application™ XML Performance Elements	120
Dynamic Application™ XML Configuration Elements	
Dynamic Application™ SOAP Performance Elements	
Dynamic Application™ SOAP Performance Elements	
Dynamic Application™ DB Performance Elements	
Dynamic Application™ DB Configuration Elements	
Dynamic Application™ Snippet Performance Elements	302
Dynamic Application™ Snippet Configuration Elements	472
Dynamic Application™ XSLT Performance Elements	25
Dynamic Application™ XSLT Configuration Elements	150
Total Dynamic Monitors:	1152
Network Interface Monitors [1 min]	
Network Interface Monitors [5 min]	78
Network Interface Monitors [10 min]	
Network Interface Monitors [15 min]	
Network Interface Monitors [30 min]	
Network Interface Monitors [60 min] Network Interface Monitors [120 min]	
Total Interface Monitors:	78
Dashboards	
Scheduled Reports	
Device Groups	
Network Topology Views	
Product Catalog Elements	4
Aligned Products	
Tickets	

### Events > Event Clear Map

This report displays a list of events that have been defined to auto-clear. For each event defined to auto-clear, the report displays the correlating event that will trigger the auto-clear. For each event in the report, the report displays default columns of Cleared Event, Severity, Source, Dynamic Application Name, Expires, Direction, and Clearing Event.

You can customize the output of the report to sort the list of event policies by severity, name, or ID, to include only event policies with a specified severity or greater, and to include only events that are auto-cleared or to include both auto-cleared events and events that are not auto-cleared. You can also specify optional columns to include in the report, including Clearing Event ID and Expiry Minutes.



The following input options are available when generating the report:

- Sort By. Sort event policies by severity, event name, or event ID.
- **Show At or Above**. Specify the severity of the event policies to include in the report. All events with that severity and greater will be included.
- **Show Events**. Specifies whether the report will show only events that are auto-cleared, or will include both events that are auto-cleared and events that are not auto-cleared.

Events > Event Clear Map

- Optional Columns. Includes a list of optional columns to include in the report, including:
  - ° Clearing Event ID
  - Event Source Message

### Events > Event Detections

This report displays a list of events, color-coded by severity. For each event, the report displays the number of times that an event has occurred within a specified time span. Optionally, the report can also display the number of times each event occurred on each device. For each event, the report displays default columns of Event Name and Detection Count.

You can customize the output of the report so that only events occurring on devices in selected organizations are included, only events that match specific event policies are included, and whether to sort event occurrences by event name or organization and device.

Events > Event Detections 149





#### **Event Detections Report**

Event Name	Detection Count
Cisco: ACI Fault Cleared	285
Cisco: ACI Fault Critical	75
Cisco: ACI Fault Major	66
Cisco: ACI Fault Minor	107
Cisco: ACI Fault Warning	226
Cisco: ACI Tenant Discovery	4
Component Device Discovered	17
Dynamic App Snippet Exception	6739
Poller: Added application monitoring for device	111
Poller: Availability Check Failed	6059
Poller: Availability Healthy	295
Poller: Device or agent recently restarted	2
Poller: Interface Discovered	2
Poller: Network Latency Exceeded Threshold	5
Poller: Network Latency Healthy	5
Trap: Cold start	2
Overall Totals:	14000

		Event: Cisco:	ACI Fault Cleared		
	Organization	Device Name	Detection Count		
ACI		Leaf1	285		
Sum f	or event: Cisco: ACI Fau	t Cleared		285	
			ACI Fault Critical		
	Organization	Device Name	Detection Count		
ACI		Leaf1	75		
Sum f	or event: Cisco: ACI Fau			75	
			ACI Fault Major		
	Organization	Device Name	Detection Count		
ACI		Leaf1	66		
Sum f	or event: Cisco: ACI Fau			66	
			ACI Fault Minor		
	Organization	Device Name	Detection Count		
ACI		Leaf1	107		
Sum f	or event: Cisco: ACI Fau			107	
			ACI Fault Warning		
	Organization	Device Name	Detection Count		
ACI		Leaf1	226		
Sum f	or event: Cisco: ACI Fau			226	
			I Tenant Discovery		
	Organization	Device Name	Detection Count		
ACI		173.36.219.46	4		
Sum f	or event: Cisco: ACI Ter			4	
			t Device Discovered		
	Organization	Device Name	Detection Count		
ACI		173.36.219.46	17		
Sum f	or event: Component De			17	
			pp Snippet Exception		
	Organization	Device Name	Detection Count		
ACI		173.36.219.46	6739		
Sum f	or event: Dynamic App S	nippet Exception		6739	

The following input options are available when generating the report:

• Organizations. Specify one or more organizations or all organizations to include in the report.

150 Events > Event Detections

- Event Selection. Select one or more or all event policies to be included in the report.
- **Report Options**. Select whether to display event occurrences per device, and whether to sort event occurrences by *Event Name* or by *Org/Device*.
  - When separated by Event Name, you can select from the following optional columns to include in the report:
    - Device ID
    - Organization (default)
    - Device Name (default)
    - IP Address
    - Severity
    - Detection Count (default)
    - First Occurrence
    - Last Detected
  - When separated by Org/Device, you can select from the following optional columns to include in the report:
    - Device ID
    - Device Name (default)
    - IP Address
    - Event Name (default)
    - Severity
    - Detection Count (default)
    - First Occurrence
    - Last Detected
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report. Starting. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report. Duration. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report. Timezone. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.

This description covers the latest version of this report as shipped by ScienceLogic. This report might have been modified on your SL1 system.

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### Events > SSL Certificates Expiration

This report displays the upcoming expirations of SSL certificates in your SL1 system. This report displays the default columns of Organization, Device, Expires, Expiration Date, Certificate ID, Certificate, and IP.

You can customize the output of this report by specifying whether the report displays optional columns, whether the report will separate SSL Certificates by organization, and if the report will be sorted by certificate ID or certificate expiration date.

	cienceLogic					All Show All Certificate ID
SSL Certification	ates Expiration Report	Expires	Expiration Date	Certificate ID	Certificate	IP
Organization	Device	Expires	Expiration Date	Certificate ID	/CN=dev-stor-	
System	dev-stor-01.NTLMtest.local	after 90 days	2027-10-30 19:10:31	2	01.sciencelogic.local/C=US/ST=Virginia/L=Rest on/O=ScienceLogic, Inc./emailAddress=smartin@sciencelogic.com	10.0.9.45
System	exp-student1	after 90 days	2025-01-18 16:49:44	244	/C=US/ST=Virginia/L=Reston/O=ScienceLogic, Inc./emailAddress=support@sciencelogic.com/ CN=54.169.153.187	54.169.153.187
TCP	10.100.100.40	expired	2015-07-10 20:25:07	339	/ C=/ST=SomeState/L=SomeCity/O=SomeOrga nization/OU=SomeOrganizationalUnit/CN=kvm- 40.sciencelogic.local/emailAddress=root@kvm- 40.sciencelogic.local	10.100.100.40
System	em7_73db_latest	after 90 days	2018-07-03 05:35:10	380	/C=US/ST=Virginia/L=Reston/O=ScienceLogic, LLC./OU=Development/emailAddress=support @sciencelogic.com	192.168.33.50
System	em7_hadr	after 90 days	2024-09-28 00:37:39	381	/C=US/ST=Virginia/L=Reston/O=ScienceLogic, Inc./emailAddress=support@sciencelogic.com/ CN=192.168.33.59	192.168.33.53
System	em7_723_db	after 90 days	2018-07-03 05:35:10	382	/C=US/ST=Virginia/L=Reston/O=ScienceLogic, LLC./OU=Development/emailAddress=support @sciencelogic.com	192.168.33.54
Watersports	SW3750fl2	after 90 days	2020-01-01 00:00:00	452	/ CN=SW3750fl2./serialNumber=5A624280/unstr ucturedName=SW3750fl2.	192.168.40.14
Watersports	SW3750_r2c1	after 90 days	2020-01-01 00:00:00	453	/CN=IOS-Self-Signed-Certificate-1409187712	192.168.40.16
System	em7_ao	after 90 days	2024-11-15 00:08:48	520	/C=US/ST=Virginia/L=Reston/O=ScienceLogic, Inc./emailAddress=support@sciencelogic.com/ CN=10.100.100.8	127.0.0.1
TCP	MOSS_ISO_IS	after 90 days	2025-05-09 22:30:17	560	/C=US/ST=Virginia/L=Reston/O=ScienceLogic, Inc./emailAddress=support@sciencelogic.com/ CN=10.0.2.55	10.0.2.55
TCP	MOSS_ISO_DB	after 90 days	2025-05-09 22:27:36	561	/C=US/ST=Virginia/L=Reston/O=ScienceLogic, Inc./emailAddress=support@sciencelogic.com/ CN=10.0.2.52	10.0.2.52
TCP	MOSS_ISO_AP	after 90 days	2025-05-09 22:29:33	592	/C=US/ST=Virginia/L=Reston/O=ScienceLogic, Inc./emailAddress=support@sciencelogic.com/ CN=10.0.2.54	10.0.2.54
System	10.5.100.8	after 90 days	2016-04-27 10:10:44	681	CN=SILO/C=US/ST=/L=/O=/OU=/emailAddress	10.5.100.8
System	lab-vcenter55	after 90 days	2025-04-14 21:36:27	682	/O=VMware, Inc./OU=vCenterServer_2015.04.17_173200/C N=VMware default certificate/emailAddress=support@vmware.com	10.0.0.55

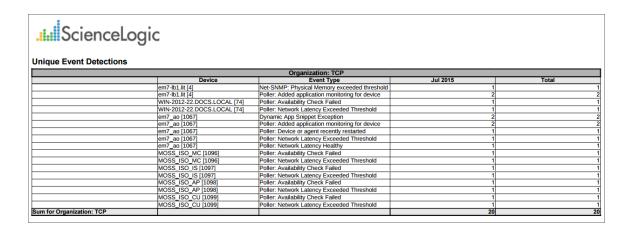
The following input options are available for this report:

- Organizations. You have the following options for this component:
  - o All Organizations. Select this checkbox for the report to display all SSL certificates in all organizations.
  - o Organizations. If the All Organizations checkbox is unselected, this pane is available. Select one or more organizations to display in the report.
- Optional Columns. Select from a list of optional columns to include in the report. Optional columns are:
  - Certificate ID
  - o Device Name

- Device Category
- **Expires In**. Select from the drop-down the expiration lengths of SSL certificates to show in the report. Choices are:
  - ° Show All. All SSL certificates in the specified organizations will be shown.
  - ° 30 days from expiration. SSL certificates expiring in 30 days or less will be shown in the report.
  - ° 45 days from expiration. SSL certificates expiring in 45 days or less will be shown in the report.
  - ° 60 days from expiration. SSL certificates expiring in 60 days or less will be shown in the report.
  - $^{\circ}$  90 days from expiration. SSL certificates expiring in 90 days or less will be shown in the report.
- **Separate by Organization**. Select this checkbox if you want the report to separate SSL certificates by organization.
- Sort By. Specify if you want the report sorted by Certificate ID or by Certificate Expiration Date.
- Timezone. Select a time zone for the report.

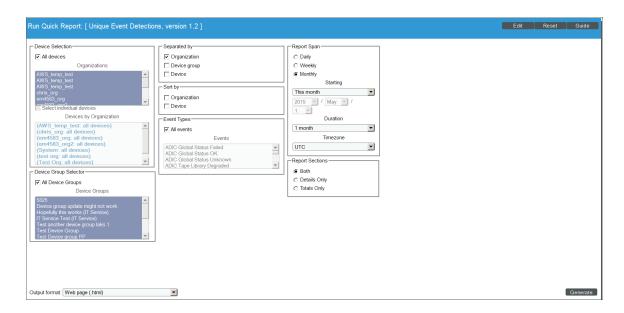
### Events > Unique Event Detections

This report contains two "sheets": Data and Control. The Data sheet contains information for each event detection such as the date and number of events, device, and event type. The Control sheet displays information such as a description, report version, date of report generation, organizations, devices, and duration.



To generate and view the Unique Event Detections report:

1. Go to the **Run Quick Report** page for the Unique Event Detections report (Reports > Run Report > Events > Unique Event Detections).



2. Supply a value in each of the following fields:

- **Device Selection**: Select the devices that will appear in the report. The choices are:
  - o All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
    report will contain only the devices in the organizations you select. You can further filter the list of
    devices to include in the report by selecting devices in the Devices by Organization field.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
  - Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.
- Device Group Selector: Select the device groups that will appear in the report. The choices are:
  - All Device Groups. Select this checkbox if you want to include all device groups in the report.
  - Device Groups. If the All Device Groups checkbox is unselected, select one or more device groups. The report will contain only the devices in the device groups you select.
- **Separated By**. Group devices by Organization, Device Group, or Device.
- **Sort by**. Select the checkboxes to sort the report by Organization or Device.
- **Event Types**. Select the types of events that will appear in the report. The choices are:
  - All events. Select this checkbox to include all event types.
  - Events. If the All events checkbox is unselected, select one or more event types. The report will contain only the event types that you select.

**Report Span**. Specifies the time interval to use to select data for this report. The **Duration** field will use this interval. The choices are:

- Daily
- Weekly
- Monthly
- **Starting**. Specifies the relative start date for the report. Data from that relative start date through the date determined by the **Duration** field will be included in the report.
- *From Date*. Specifies the absolute start date for the report. Data from that absolute start date through the date determined by the *Duration* field will be included in the report.
- **Duration**. Specifies the number of days, weeks, or months to include in the report. The increment displayed in this field depends upon the value selected in the **Report Span** field.
- Timezone. Specifies the timezone conversion for the dates and times that display in the report.
- **Report Sections**. Specify how the report will be arranged. Select whether you want the report to display Details Only, Totals Only, or Both.
- Output Format. Select the format in which SL1 will save the generated report. Choices are:

- o ODF Speadsheet. Displays the output in the OpenOffice spreadsheet application.
- ° Microsoft Excel. Displays the output in an .xlsx file.
- Web page. Displays the output in an .html file.
- ° Adobe Acrobat. Displays the output in a .pdf file.
- [Generate]. This button generates the report, using the parameters you specified in this page.

For each unique instance of an event, the report displays:

- Device. Specifies the device name where the event occurred.
- **Event Type**. Specifies the event description of the event.
- Time Period. Specifies the number of times the event occurred during the time period.
- Total. Specifies the total number of time the event occured on the specified Device.
- **Sum for Organization**. Displays total number of unique events that occurred during the time period for each organization.
- Sum for Device Group. Display total number of unique events that occurred during the time period for each device group.
- **Sum for Device**. Display total number of unique events that occurred during the time period for each device.

### Network Interfaces > Blackberry: Top-N Interface Statistics

This report displays the collected metrics data from the specified network interfaces on each selected device. You can further customize the output of the report by selecting devices by group and category, and by selecting interfaces by type and tag.

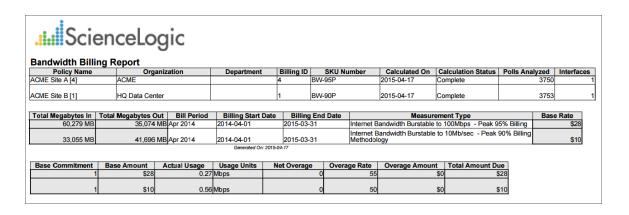
The following input options are available when generating the report:

- **Device Selection**: Select the devices that will appear in the report. The following input elements appear in this component:
  - o All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All devices checkbox is unselected, select multiple or individual Organizations.
    The report will contain only the devices in the organizations you select. You can further reduce the list of devices to include on the report by specifying devices from the organizations you select, by selecting the Select individual items checkbox.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to select the individual devices to include in the report.
  - Devices by Organization. If the Select individual devices checkbox is selected, you can select multiple
    or a single device in the organization(s) selected about to include in the report.
- Device Group Selector. Select one, multiple, or all device groups to include in the report.
- Device Categories. Select one, multiple, or all device categories to include in the report.
- Interface Types. Select one, multiple, or all interface types to include in the report.
- Interface Tags. Select one, multiple, or all interface tags to include in the report. The report will include only interfaces that have the selected tags aligned.
- Interfaces. Select one, multiple, or all network interfaces to include in the report.
- **Top-N**. Select the top devices based on average performance or maximum performance, and then select the metrics you want to include in the report.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.

## Network Interfaces > Interface Billing

This report displays billing information for selected Bandwidth Billing Policies over a specified time span. For each policy, the report displays default columns of Policy Name, Organization, Department, Billing ID, SKU Number, Calculated On, Calculation Status, Polls Analyzed, Interfaces, Total Megabytes In, Total Megabytes Out, Bill Period, Billing Start Date, Billing End Date, Measurement Type, Base Rate, Base Commitment, Base Amount, Actual Usage, Usage Units, Net Overage, Overate Rate, Overage Amount, and Total Amount Due.

You can customize the output of the report so that only selected columns are displayed.



NOTE: The above screenshot has been modified to improve clarity.

The following input options are available when generating the report:

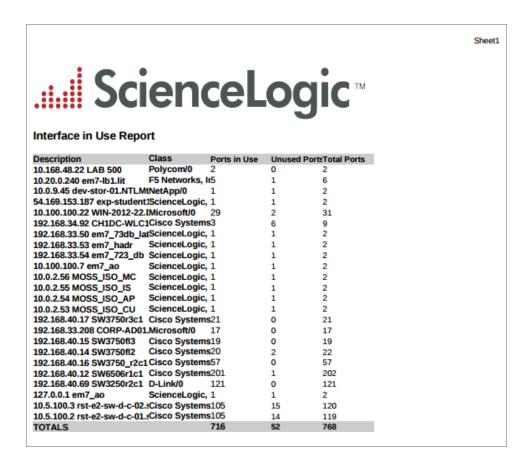
- **Policy Selection**. Select the policies that will appear in the report. The following input elements appear in this component:
  - · All Policies. Select this checkbox if you want all policies in the system to be included in this report.
  - Organizations. If the All Policies checkbox is unselected, select one or more Organizations. The
    report will contain only the policies in the organizations you select. You can further filter the list of
    policies by selecting the Select Individual Policies checkbox.
  - Select individual policies. If the All Policies checkbox is unselected, the Select individual policies checkbox is available. Select this checkbox if you would like to select individual policies to include in the report.
  - Policies by Organization. If the Select individual devices checkbox is selected, the Policies by Organization field is available. Select one or more policies to include in the report.
- Optional Fields. By default, all of the columns in this field are checked. To remove a column from the report, deselect its checkbox.

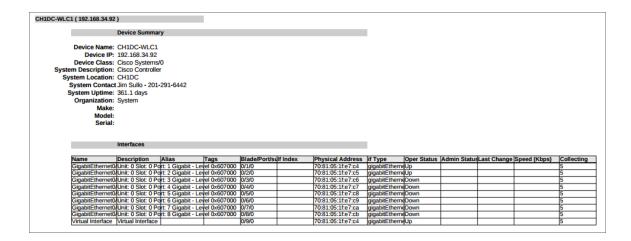
• **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.

#### Network Interfaces > Interface In Use

This report displays information about interfaces in use on selected devices, including how many ports are in use, how many unused interfaces are available, and the percentage of full ports.

You can customize the report by adding the optional columns for remote interfaces and remote devices.





The following input options are available when generating the report:

- **Select By**: Select the interface(s) that will appear in the report. The following input elements appear in this component:
  - Org/Device; Org/Network. Your selection will have an affect on the fields described below:
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Org/Network. When selected, with the option to select all, multiple, or individual IP Networks, then you can optionally select specific devices for those IP Networks.
  - ° All Items. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All Items checkbox is unselected, select one or more Organizations. The report
    will contain only the devices in the organizations you select. You can further reduce the list of devices
    to include on the report by selecting individual devices or IP Networks. To do this, select the Select
    individual items checkbox

You can further reduce the list of devices to include on the report. Depending on your selection in the Org/Device; Org/Network radio buttons, you can select specific devices or IP Networks from the organizations you selected in the Organizations list. Use the following fields if you want to select individual items:

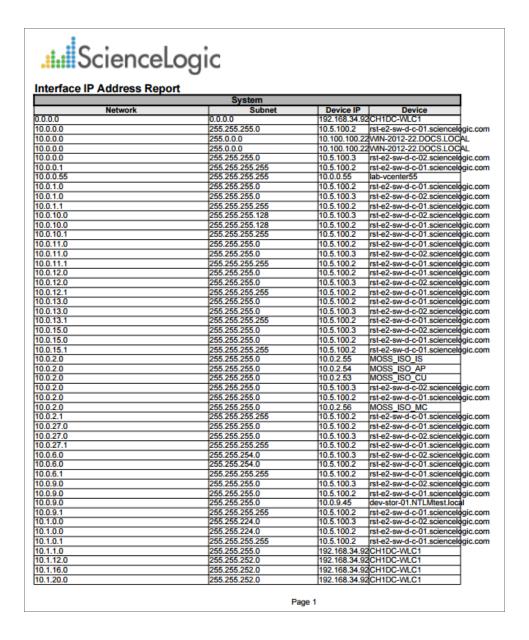
- Select individual items. If the All Items checkbox is unselected, the Select individual items checkbox is available. Select this checkbox if you would like to select the individual Devices or IP Networks to include in the report.
- Devices/IP Networks by Organization. Select one or multiple devices or IP Networks by organization to include in the report.
- Device Group Selector. Select one or multiple or all device groups to include in the report.

- Optional Columns. Select from the following optional columns to include in the report:
  - Remote Device. When selected, this column will display the remote device connected to each interface.
  - ° Remote Interface. When selected, this column will display the remote interface connected to each interface.
- Options. Select from the following options to include in the report. They are all selected by default:
  - Show Report Summary. Appears at the top of the report. A list of interfaces with their class, ports in use, unused ports, and total ports.
  - Show Device Summary. When selected, will appear below the report summary and display a summary of each device included in the report.
  - Show Interface Details. When selected, will appear below the report summary and display the name of each device included in the report with details of each interface associated with that device.
  - Interfaces currently down only. When selected, will appear below the report summary and display details of interfaces that are currently down.

#### Network Interfaces > Interface IP Addresses

This report displays configuration information for selected IP addresses. For each IP address, this report displays default columns of Network, Subnet, Device IP, and Device.

You can customize the output of the report by selecting the columns to include.



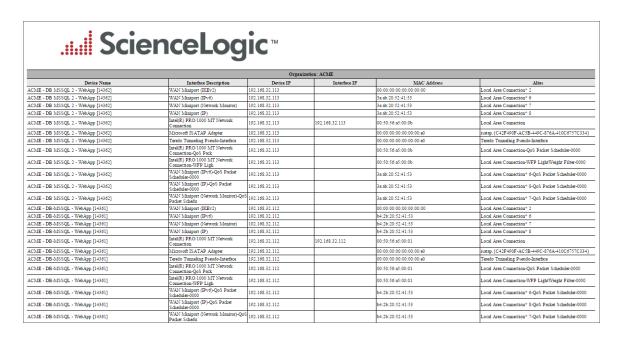
The following input options are available when generating the report:

- *IP Network Selection*: Select the IP Networks that will appear in the report. The following input elements appear in this component:
  - ° All IP Networks. Select this checkbox if you want all IP Networks in the system to be included in this report.
  - Organizations. If the All IP Networks checkbox is unselected, one or more Organizations. The report
    will contain only the IP Networks in the organizations you select. You can further filter the list of IP
    Networks to include in the report by, by selecting the Select individual items checkbox and selecting
    individual IP addresses.
  - Select individual items. If the All IP Networks checkbox is unselected, the Select individual items checkbox is available. Select this checkbox if you would like to select the individual IP Networks to include in the report.
  - ° IP Networks by Organization. If the Select individual items checkbox is selected, you can select one or more IP Networks (from the organization(s) selected in Organizations) to include in the report.
- Optional Columns. Select from a list of optional columns to include in their separate columns in the report. Choices include, among others:
  - ∘ IP Type
  - Network Use
  - MAC address
  - ° Interface Speed
  - Device ID
  - IANA Type

### Network Interfaces > Interface IP MAC Map

This report displays the MAC and IP Addresses for selected devices. This report is helpful to understand the relationships between devices, interfaces, IP addresses, and MAC addresses. For each device, this report displays default columns of Device Name, Device Groups, Interface Description, Device IP, Interface IP, MAC Address, Alias, Remote Device, Remote Interface Description, and Link Type.

You can customize the output of the report to display only interfaces that match a specific IP or MAC address pattern, to not display NULL IP address, to not display NULL MAC addresses, and to display blade and port information for each device.



The following input options are available when generating the report:

- **Device Selection**: Select the devices that will appear in the report. The following input elements appear in this component:
  - All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All devices checkbox is unselected, select multiple or individual Organizations.
    The report will contain only the devices in the organizations you select. You can further reduce the list of devices to include on the report by specifying devices from the organizations you select, by selecting the Select individual items checkbox.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to select the individual devices to include in the report.

- Devices by Organization. If the Select individual devices checkbox is selected, you can select multiple or a single device in the organization(s) selected about to include in the report.
- Device Group Selector. Select one or multiple or all device groups to include in the report.
- Interface IP Match Pattern. Specify a regular expression to match against interface IP addresses. Only interfaces with a matching IP address will be displayed in the report.
- MAC Match Pattern. Specify a regular expression to match against interface MAC addresses. Only interfaces with a matching MAC address will be displayed in the report.
- **Hide NULL Interface IPs**. Not selected by default. If selected, interfaces that do not have an IP address will not appear in the report.
- Hide NULL MAC Addresses. Selected by default. If not selected, interfaces that do not have a MAC address will appear in the report.
- **Show Blade/Port**. Not selected by default. If selected, the report will show the Blade and Port information for each interface.
- **Separated By**. Group the report by Organization or Device Group.

### Network Interfaces > Interface Ports

This report displays a list of open ports on all selected devices or all selected networks. For each open port, the report displays default columns of Device, Device Groups, IP Address, Port, Service, Protocol, Network, and Subnet Mask.

You can customize the output of the report so that the port columns - Port, Service, and Protocol - are not included in the report.

	Selection: Selected Items									
.⊪⊪ ScienceLogic™										
	ICELO	qic "								
	,	9								
Interface Port Repo	rt									
Organization: ACME										
Device	IP Address	Port	Service	Protocol	Network	Subnet Mask				
ACME - DB MSSQL 2 - WebApp	192.168.32.113	80 h		TCP	192.168.32.0	255.255.252.0				
ACME - DB MSSQL 2 - WebApp	192.168.32.113	135 10	OC-SIV	TCP	192.168.32.0	255.255.252.0				
ACME - DB MSSQL 2 - WebApp	192.168.32.113	139 n	etbios-ssn	TCP	192.168.32.0	255.255.252.0				
ACME - DB MSSQL 2 - WebApp	192.168.32.113	445 n	nicrosoft-ds	TCP	192.168.32.0	255.255.252.0				
ACME - DB MSSQL 2 - WebApp	192.168.32.113	1433 n	ns-sql-s	TCP	192.168.32.0	255.255.252.0				
ACME - DB MSSQL 2 - WebApp	192.168.32.113	2383	-	TCP	192.168.32.0	255.255.252.0				
ACME - DB MSSQL 2 - WebApp	192.168.32.113	3389 n	ns-term-serv	TCP	192.168.32.0	255.255.252.0				
ACME - DB MSSQL 2 - WebApp	192.168.32.113	49152		TCP	192.168.32.0	255.255.252.0				
ACME - DB MSSQL 2 - WebApp	192.168.32.113	49153		TCP	192.168.32.0	255.255.252.0				
ACME - DB MSSQL 2 - WebApp	192.168.32.113	49154		TCP	192.168.32.0	255.255.252.0				
ACME - DB MSSQL 2 - WebApp	192.168.32.113	49155		TCP	192.168.32.0	255.255.252.0				
ACME - DB MSSQL 2 - WebApp	192.168.32.113	49163		TCP	192 168 32 0	255.255.252.0				
ACME - DB-MSSQL - WebApp	192.168.32.112	135 10	oc-sity	TCP	192.168.32.0	255.255.252.0				
CME - DB-MSSQL - WebApp	192.168.32.112		etbios-ssn	TCP	192.168.32.0	255.255.252.0				
ACME - DB-MSSQL - WebApp	192.168.32.112		nicrosoft-ds	TCP	192 168 32 0	255.255.252.0				
ACME - DB-MSSQL - WebApp	192.168.32.112	2383	and of the same of	TCP	192.168.32.0	255.255.252.0				
ACME - DB-MSSOL - WebApp	192.168.32.112		ns-term-serv	TCP	192.168.32.0	255.255.252.0				
ACME - DB-MSSQL - WebApp	192.168.32.112	49152	Train sur	TCP	192.168.32.0	255.255.252.0				
ACME - DB-MSSQL - WebApp	192.168.32.112	49153		TCP	192.168.32.0	255.255.252.0				
ACME - DB-MSSQL - WebApp	192.168.32.112	49154		TCP	192.168.32.0	255.255.252.0				
ACME - DB-MSSQL - WebApp	192.168.32.112	49155		TCP	192.168.32.0	255,255,252.0				
ACME - DB-MSSQL - WebApp	192.168.32.112	49156		TCP	192.168.32.0	255.255.252.0				
ACME - DB-MSSQL - WebApp	192.168.32.112	49157		TCP	192.168.32.0	255.255.252.0				
ACME - Edge Router	10.20.16.239	80 h	ttn	TCP	10.20.16.0	255.255.248.0				
ACME - Edge Router	10.20.16.239	135 1	<u>•</u>	TCP	10.20.16.0	255.255.248.0				
ACME - Edge Router	10.20.16.239	-	nicrosoft-ds	TCP	10.20.16.0	255.255.248.0				
ACME - Edge Router	10.20.16.239		JFS-or-IIS	TCP	10.20.16.0	255.255.248.0				
ACME - Edge Router	10.20.16.239		nsoft-lm-2	TCP	10.20.16.0	255.255.248.0				
ACME - Edge Router	10.20.16.239	1084 a	mon-m-2	TCP	10.20.16.0	255.255.248.0				
ACME - Edge Router	10.20.16.239	2100		TCP	10.20.16.0	255.255.248.0				
ACME - Edge Router	10.20.16.239		ns-term-serv	TCP	10.20.16.0	255.255.248.0				
ACME - Edge Router ACME - Edge Router	10.20.16.239	9220	ns-term-serv	TCP	10.20.16.0	255.255.248.0				
ACME - Edge Router ACME - Edge Router	10.20.16.239	9220 80 h		TCP	10.20.16.0	255.255.248.0				
	10.20.24.239		<u>.                                      </u>	TCP		255.255.248.0				
ACME - Edge Router		135 1		TCP	10.20.24.0					
ACME - Edge Router	10.20.24.239		nicrosoft-ds		10.20.24.0	255.255.248.0				
ACME - Edge Router	10.20.24.239		JFS-or-IIS	TCP	10.20.24.0	255.255.248.0				
ACME - Edge Router	10.20.24.239		nsoft-lm-2	TCP	10.20.24.0	255.255.248.0				
ACME - Edge Router	10.20.24.239	1086		TCP	10.20.24.0	255.255.248.0				

The following input options are available when generating the report:

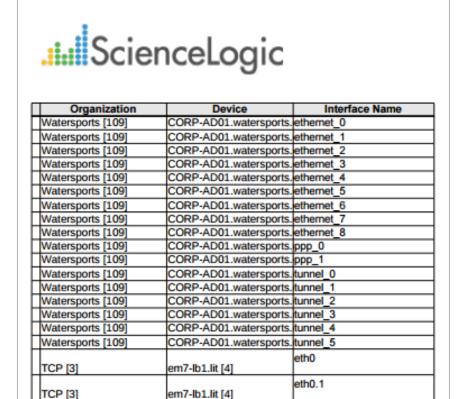
- **Select By**: Select the devices or Guest VMs that will appear in the report. The following input elements appear in this component:
  - Org/Device; Org/Network. Your selection will have an affect on the fields described below:
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Org/Network. When selected, with the option to select all, multiple, or IP Networks, then you can
      optionally select specific devices for those organizations.
  - ° All Items. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All Items checkbox is unselected, select multiple or individual Organizations or Networks. The report will contain only the devices in the organizations you select, or only IP Networks you select. You can further reduce the list of devices to include on the report by specifying which devices from the organizations or IP Networks you select, by selecting the Select individual items checkbox.

You can further reduce the list of assets to include on the report. Depending on your selection in the Org/Device; Org/Network radio buttons, you can select specific devices of IP Networks from the organizations you selected in the Organizations list. Use the following fields if you want to select individual items:

- Select individual items. If the All Items checkbox is unselected, the Select individual items checkbox is available. Select this checkbox if you would like to select the individual Devices or IP Networks to include in the report.
- Devices/IP Networks by Organization. Select one or multiple devices or IP Networks by organization, or individual guest VMs by ESX server, to include in the report.
- Device Group Selector. Select one or multiple or all device groups to include in the report.
- **Options**. If the checkbox is selected, columns for Port, Service, and Protocol will be included in the report. If unselected, the port information will not be included in the report.
- **Separated By**. Group the report by Organization or Device Group.

### Network Interfaces > Interface Top Metrics

This report displays the top metrics for interfaces on the system. Default columns include Organization; Device; Interface Name; IP Address; Inbound, Outbound, and Total Network Bytes; Inbound, Outbound, and Total Network Packet Loss; and Inbound, Outbound, and Total Network Errored Packed.



The following input options are available when generating the report:

em7-lb1.lit [4]

• **Select By**. Select the devices that will appear in the report. The following input elements appear in this component:

external

- Org/Device; Org/Asset; ESX Server/VM. Your selection will have an affect on the fields described below.
  - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
  - Org/Asset. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific assets in those organizations.

- ESX Server/VM. When selected, you will have the option to select all, multiple, or individual ESX Servers, then you can optionally select specific Guest VMs on those ESX Servers.
- ° All Items. Select this checkbox if you want all devices in the system to be included in this report.
- Organizations/ESX Server. If the All Items checkbox is unselected, select multiple or individual
  Organizations or ESX servers. The report will contain only the devices in the organizations you select,
  or only Guest VMs on the ESX servers you select. You can further filter the list of devices or guest VMs
  by selecting the Select individual items checkbox.

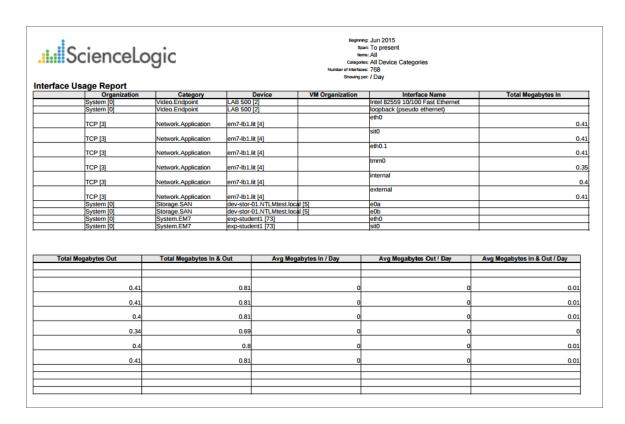
You can further reduce the list of assets to include on the report. Depending on your selection in the Org/Device; Org/Asset; ESX Server/VM radio buttons, you can select specific assets, devices, or Guest VMs from the organizations or ESX servers you selected in the Organizations/ESX Server Select list. Use the following fields if you want to select individual items:

- Select individual items. If the All Items checkbox is unselected, the Select individual items checkbox is available. Select this checkbox if you would like to select the individual Devices, Assets, or Guest VMs to include in the report.
- Devices/Assets by Organization, Guest VMs by ESX Server. Select one or multiple devices or assets by organization, or individual guest VMs by ESX server, to include in the report.
- Device Group Selector. Select one or multiple or all device groups to include in the report.
- Interface Selection Options. The following input elements appear in this component:
  - Select Options. Select whether you would like to Manually select the interfaces; Auto-select using the specific threshold; or Auto-select a specific number by their rank.
  - Specific Threshold. When the Auto-select using the specific threshold radio button is selected, this section allows you to specify a threshold that all devices must exceed in order to appear in the report.
  - Specific Number by Rank. When the Auto-select a specific number by their rank radio button is selected, this allows you to use drop-down menus to indicate that you want the bottom or top 10– 1000 devices to appear in the report.
- Optional Columns. This component allows you to select one or more optional columns that you may include in the report.
- Separated By. Group the data by Device Group.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.

### Network Interfaces > Interface Usage

This report displays information about interface usage for each selected device, asset, or VM, including total and average usage.

You can customize the output options to show only interfaces associated with specified organizations and devices, include optional columns such as Interface Speed and Type, and Variables to Display, such as Discards In and Out, Errors In and Out, and Megabytes In and Out.



NOTE: The above screenshot has been modified to improve clarity.

The following input options are available when generating the report:

- **Select By**. Select the devices that will appear in the report. The following input elements appear in this component:
  - Org/Device; Org/Asset; ESX Server/VM. Your selection will have an affect on the fields described below.

- Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
- Org/Asset. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific assets in those organizations.
- ESX Server/VM. When selected, you will have the option to select all, multiple, or individual ESX Servers, then you can optionally select specific Guest VMs on those ESX Servers.
- · All Items. Select this checkbox if you want all devices in the system to be included in this report.
- Organizations/ESX Server. If the All Items checkbox is unselected, select multiple or individual
  Organizations or ESX servers. The report will contain only the devices in the organizations you select,
  or only Guest VMs on the ESX servers you select. You can further filter the list of devices or guest VMs
  by selecting the Select individual items checkbox.

You can further reduce the list of assets to include on the report. Depending on your selection in the Org/Device; Org/Asset; ESX Server/VM radio buttons, you can select specific assets, devices, or Guest VMs from the organizations or ESX servers you selected in the Organizations/ESX Server Select list. Use the following fields if you want to select individual items:

- Select individual items. If the All Items checkbox is unselected, the Select individual items checkbox is available. Select this checkbox if you would like to select the individual Devices, Assets, or Guest VMs to include in the report.
- Devices/Assets by Organization, Guest VMs by ESX Server. Select one or multiple devices or assets by organization, or individual guest VMs by ESX server, to include in the report.
- Device Group Selector. Select one or multiple or all device groups to include in the report.
- **Device Categories**. Further filters the list of devices, assets, or Guest VMs by device category. You can select all device categories or you can select one or more device categories. Only devices, assets, or VMs that belong to the selected device categories will appear in the report.
- Interface Types. Select one, multiple, or all interface types to include in the report.
- Interface Tags. Select one, multiple, or all interface tags. The report will include only interfaces that have the selected tags aligned.
- Optional Columns. Choose from a list of optional columns to include in the report:
  - Device IP Address
  - o Interface Name
  - o Interface Alias
  - MAC Address
  - Interface Type
  - o Interface Tags
  - ° Interface Speed
- Separated By. Group asset records by Organization/ESX Server, Category, Device Group, or Device.
- **Report Sections**. Specify how the report will be arranged. Select whether you want the report to display Details Only, Totals Only, or Both.

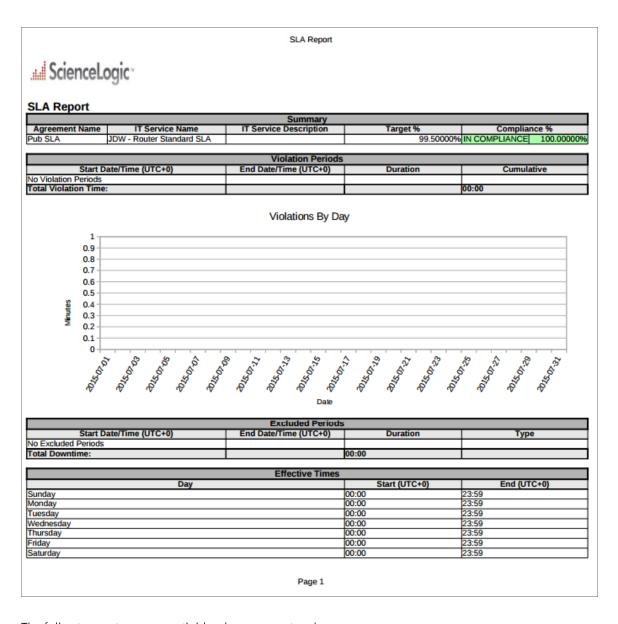
- **Report Settings**. Select which performance metric to include on the report from the Variable to Display drop-down, including:
  - Megabytes In and Out
  - Discards In and Out
  - Errors In and Out

In the second drop-down menu, select one of the following:

- Show per Day (Mb/day)
- Show per Second (Mb/s)
- Show per Second (Utilization %)
- Select from a list of checkboxes:
  - Average by interface. Show total average interface usage for each device, asset, or Guest VM.
  - Non-Zero only. Do not show results with zero usage.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.

### Service Delivery > SLA Report

The SLA (Service Level Agreement) Report evaluates an existing IT Service policy using an existing SLA Definition, and displays the percentage of that IT Service's compliance. The report contains Summary and Violation Periods sections. Under the Summary section, the default columns are Agreement Name, IT Service Name, IT Service Description, Target %, and Compliance %. Under the Violation Periods section, the default columns are Start Date/Time, End Date/Time, Duration, Cumulative, and Total Violation Time.



The following options are available when generating the report:

- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.
- IT Service. Select an IT Service from the drop-down list.
- SLA. Select an SLA from the drop-down list.

### Storage > File System

This report displays file system information, including utilization statistics for selected devices. For each selected device, the report displays default columns of Device, File System, Type, Size (MB), Available, and Used.

You can customize the output options so that devices are grouped by organization, only file systems over a specific usage percentage are included in the report, and devices are sorted by usage or organization and device.

File System Utilization Repor		ce	Lo	gic	тм		ltems: S File Systems Matching: A Utilization >= <sup>7</sup> 8	
inc Cystem Cunzudon Repor			Organizatio	n: ACME				
	Device	File System	Туре	Size (MB)	Available (%)	Available (MB)	Used (%)	Used (MB)
	ACME - Middleware							
	Server 1 [1922]	1	LinuxExt2	1019.21	2	71.69	98	947.52
	ACME - Middleware							
	Server 2 [1921]	1	LinuxExt2	1019.21	2	71.69	98	947.52
	ACME - Middleware							
	Server 3 [1920]	1	LinuxExt2	1019.21	2	71.69	98	947.52
	ACME - Tomcat							
	Server (Internal Site)							
	[1918]	/	LinuxExt2	1019.21	4	71.69	96	947.52
Sum for Organization: ACME				4076.84	2.5	286.76	97.5	3790.08
		0	rganization: HC	Data Center				
	Device	File System	Type	Size (MB)	Available (%)	Available (MB)	Used (%)	Used (MB)
	LAB-CUCM-5 [1933]	/	LinuxExt2	12317.94	5.177490234	637.76	94.8225	11680.18
	LAB_UCM_7 [1936]	1	LinuxExt2	12316.67	7.677070618	945.56	92.3229	11371.11
	LAB_UCM_7 [1936]	/partB	LinuxExt2	12316.66	10.2690506	1264.80	89.7309	11051.85
	LAB-CUCM-5 [1933]	/partB	LinuxExt2	12317.91	12.22547913	1505.92	87.7745	10811.99
Sum for Organization: HQ Data Center				49269.18	8.837272644	4354.04	91.1627	44915.13
			Organization:	Video Lab				
	Device	File System	Type	Size (MB)	Available (%)	Available (MB)	Used (%)	Used (MB)
	CUCM10-01 [14496]	1	LinuxExt2	14643.06	13.60961914	1992.86	86.3904	12650.19
Sum for Organization: Video Lab				14643.06	13.60961914	1992.86	86.3904	12650.19
Overall Totals:				67989.08	6.550967746	6633.66	93,44902222	61355.4

The following input options are available when generating the report:

- **Select By**. Select the devices that will appear in the report. The following input elements appear in this component:
  - Org/Device; Org/Asset; ESX Server/VM. Your selection will have an affect on the fields described below.
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.
    - Org/Asset. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific assets in those organizations.
    - ESX Server/VM. When selected, you will have the option to select all, multiple, or individual ESX Servers, then you can optionally select specific Guest VMs on those ESX Servers.
  - · All Items. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations/ESX Server. If the All Items checkbox is unselected, select multiple or individual
    Organizations or ESX servers. The report will contain only the devices in the organizations you select,
    or only Guest VMs on the ESX servers you select. You can further filter the list of devices or guest VMs
    by selecting the Select individual items checkbox.

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You can further reduce the list of assets to include on the report. Depending on your selection in the Org/Device; Org/Asset; ESX Server/VM radio buttons, you can select specific assets, devices, or Guest VMs from the organizations or ESX servers you selected in the Organizations/ESX Server Select list. Use the following fields if you want to select individual items:

- Select individual items. If the All Items checkbox is unselected, the Select individual items checkbox is available. Select this checkbox if you would like to select the individual Devices, Assets, or Guest VMs to include in the report.
- Devices/Assets by Organization, Guest VMs by ESX Server. Select one or multiple devices or assets by organization, or individual guest VMs by ESX server, to include in the report.
- Device Group Selector. Select one or multiple or all device groups to include in the report.
- Options. Select from the following:
  - Usage. Select a percentage from the drop-down. Only file systems with usage equal to or greater than the specified percentage will be included in the report.
  - Find File Systems Matching. Specify a search string to filter the file systems. Only file systems with a
    matching name will be included in the report. If left blank, all file systems on the selected devices will
    be included in the report.
- **Separated By** . Specify whether to group results in to individual tables for each organization or each device group.
- Sort By. Sort the report by Org/Device or by Usage.
- **Report Sections**. Specify how the report will be arranged. Select whether you want the report to display Details Only, Totals Only, or Both.

# Storage > File System Thresholds

Displays the threshold information for file systems discovered in the system, including the major threshold, critical threshold, and current file system utilization. For each file system, the report displays default columns of Device, Device Group, Drive, Size, Used, Utilization, Major Threshold, and Critical Threshold.

You can customize the output options of the report so devices are grouped by in organization in separate table. You can also specify that only file systems that currently exceed the major or critical threshold be included in the report.

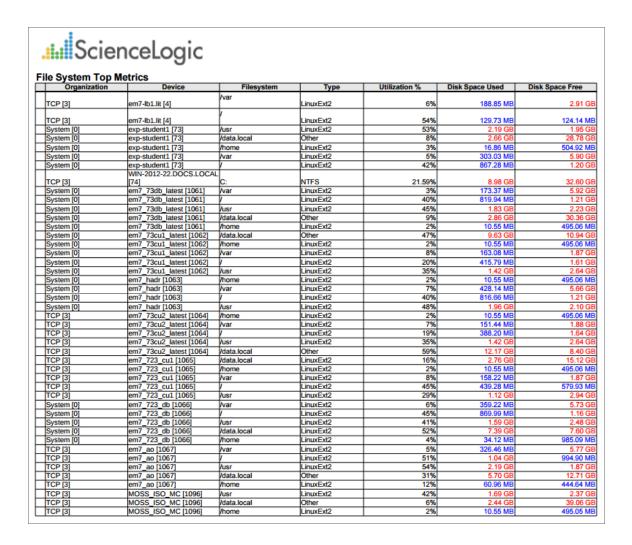
ile Cuetem Thur	holdo					
ile System Thres	snoias	Organiza	tion: System			
Device	Drive	Size	Used	Utilization	Major Threshold	Critical Threshol
m7_723_db [1066]	/	1983 MB	850 MB	45%	85%	95%
m7_723_db [1066]	/data.local	14635 MB	7213 MB	52%	85%	95%
n7_723_db [1066]	/home	995 MB	33 MB	4%	85%	95%
n7_723_db [1066]	/usr	3966 MB	1548 MB	41%	85%	95%
n7_723_db [1066]	/var	5950 MB	351 MB	6%	85%	95%
n7_73cu1_latest [1062]	/	1983 MB	406 MB	20%	85%	95%
n7_73cu1_latest [1062]	/data.local	20092 MB	9404 MB	47%	85%	95%
n7_73cu1_latest [1062]	/home	494 MB	10 MB	2%	85%	95%
n7_73cu1_latest [1062]	/usr	3966 MB	1385 MB	35%	85%	95%
n7_73cu1_latest [1062]	/var	1983 MB	159 MB	8%	85%	95%
n7_73db_latest [1061]	/	1983 MB	801 MB	40%	85%	95%
n7_73db_latest [1061]	/data.local	32441 MB	2794 MB	9%	85%	95%
n7_73db_latest [1061]	/home	494 MB	10 MB	2%	85%	95%
n7_73db_latest [1061]	/usr	3966 MB	1786 MB	45%	85%	95%
n7_73db_latest [1061]	/var	5950 MB	169 MB	3%	85%	95%
n7_ao [1111]	/	1983 MB	792 MB	40%	85%	95%
n7_ao [1111]	/data.local	39541 MB	17164 MB	43%	85%	95%
n7_ao [1111]	/home	494 MB	10 MB	2%	85%	95%
n7_ao [1111]	/usr	3966 MB	2186 MB	55%	85%	95%
n7_ao [1111]	/var	5950 MB	514 MB	9%	85%	95%
n7_hadr [1063]	/	1983 MB	798 MB	40%	85%	95%
n7_hadr [1063]	/home	494 MB	10 MB	2%	85%	95%
n7_hadr [1063]	/usr	3966 MB	1912 MB	48%	85%	95%
n7_hadr [1063]	/var	5950 MB	418 MB	7%	85%	95%
p-student1 [73]	/	2023 MB	847 MB	42%	85%	95%
p-student1 [73]	/data.local	30701 MB	2598 MB	8%	85%	95%
p-student1 [73]	/home	510 MB	16 MB	3%	85%	95%
p-student1 [73]	/usr	4038 MB	2135 MB	53%	85%	95%
p-student1 [73]	/var	6053 MB	296 MB	5%	85%	95%
			zation: TCP			
Device	Drive	Size	Used	Utilization	Major Threshold	Critical Thresho
n7-lb1.lit [4]		248 MB	127 MB	54%	85%	95%
17-lb1.lit [4]	-	3024 MB	184 MB	6%	85%	95%
n7_723_cu1 [1065]	/	995 MB	429 MB	45%	85%	95%
n7_723_cu1 [1065]	/data.local	17454 MB	2692 MB	16%	85%	95%
n7_723_cu1 [1065]	/home	494 MB	10 MB	2%	85%	95%
n7_723_cu1 [1065]	/usr	3966 MB	1096 MB	29%	85%	95%
17_723_cu1 [1065]	/var	1983 MB	155 MB	8%	85%	95%
n7_73cu2_latest [1064]		1983 MB	379 MB	19%	85%	95%
17_73cu2_latest [1064]		20092 MB	11887 MB	59%	85%	95%
	/home	494 MB	10 MB	2%	85%	95%
n7_73cu2_latest [1064]		3966 MB	1385 MB	35%	85%	95%
n7_73cu2_latest [1064]	/var	1983 MB	148 MB	7%	85%	95%
n7_ao [1067]	1	1983 MB	1012 MB	51%	85%	95%

The following input options are available when generating the report:

- **Device Selection**: Select the devices that will appear in the report. The following input elements appear in this component:
  - o All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
    report will contain only the devices in the organizations you select. You can further filter the list of
    devices by selecting the Select individual items checkbox.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to select the individual devices to include in the report.
  - Devices by Organization. If the Select individual devices checkbox is selected, the Devices by Organization field is available. Select one or more devices to include in the report.
- Device Group Selector. Select one or multiple or all device groups to include in the report.
- **Drive Names Matching**. Specify a search string to filter the file systems. Only file systems with a matching name will be included in the report. If left blank, all file systems on the selected devices will be displayed.
- Show File Systems Where. Select whether all file systems, only file systems where the major threshold is currently exceeded, or only file systems where the critical threshold is currently exceeded, will be included in the report.
- Separated By. Group the report by Organization or Device Group.

### Storage > File System Top Metrics

This report displays the top metrics for file systems discovered in the system, with the default columns of Organization, Device, and Filesystem.



The following input options are available:

- **Select By**. Select the devices that will appear in the report. The following input elements appear in this component:
  - Org/Device; Org/Asset; ESX Server/VM. Your selection will have an affect on the fields described below.
    - Org/Device. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific devices in those organizations.

- Org/Asset. When selected, you have the option to select all, multiple, or individual organizations, then you can optionally select specific assets in those organizations.
- ESX Server/VM. When selected, you will have the option to select all, multiple, or individual ESX Servers, then you can optionally select specific Guest VMs on those ESX Servers.
- o All Items. Select this checkbox if you want all devices in the system to be included in this report.
- Organizations/ESX Server. If the All Items checkbox is unselected, select multiple or individual
  Organizations or ESX servers. The report will contain only the devices in the organizations you select,
  or only Guest VMs on the ESX servers you select. You can further filter the list of devices or guest VMs
  by selecting the Select individual items checkbox.

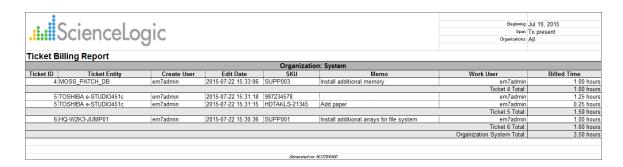
You can further reduce the list of assets to include on the report. Depending on your selection in the Org/Device; Org/Asset; ESX Server/VM radio buttons, you can select specific assets, devices, or Guest VMs from the organizations or ESX servers you selected in the Organizations/ESX Server Select list. Use the following fields if you want to select individual items:

- Select individual items. If the All Items checkbox is unselected, the Select individual items checkbox is available. Select this checkbox if you would like to select the individual Devices, Assets, or Guest VMs to include in the report.
- Devices/Assets by Organization, Guest VMs by ESX Server. Select one or multiple devices or assets by organization, or individual guest VMs by ESX server, to include in the report.
- Device Group Selector. Select one or multiple or all device groups to include in the report.
- Filesystem Selection Options. This section provides the following options for the report:
  - Select Options. Select whether you would like to Manually select the devices using the device selector; Auto-select using the specific threshold; or Auto-select using a specific number by rank.
  - Specific Threshold. When the Auto-select using the specific threshold radio button is selected, you can
    edit this section by specifying the threshold that all devices must meet to be included in the report.
  - Specific Number By Rank. When the Auto-select using a specific number by rank radio button is selected, you can edit this section by specifying the bottom or top 10–1000 devices that will be included in the report and how those devices will be ranked.
- Optional Columns. Select one of more of the following to include in the report:
  - ° Type.
  - Utilization &%.
  - ° Disk Space Used.
  - O Disk Space Free.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.
- Divisor. Choose either 1000 or 1024 to match what the device uses locally.

This description covers version 1 of this report as shipped by ScienceLogic. This report might have been modified on your SL1 system.

# Ticketing > Ticket Billing

This report displays ticket information on billable work done on tickets in the system, including the user that performed the work and the number of billable hours. Displays default columns of Ticket ID, Ticket Entity, Create User, Edit Date, SKU, Memo, Work User, and Billed Hours. The output can be modified to display only tickets in specific organizations, and to display different time spans for the report.



The following input options are available when generating the report:

- Organizations. Specify one or more organizations or all organizations to include in the report.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report.
- **Starting**. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report.
- **Duration**. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report.
- **Timezone**. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- *Time Format*. Select time units, rounding precision, and the rounding method for the report.

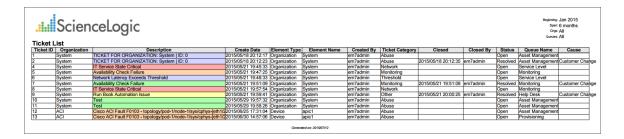
This description covers the latest version of this report as shipped by ScienceLogic. This report might have been modified on your SL1 system.

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# Ticketing > Ticket List

This report displays a list of tickets from selected organizations and/or selected ticket queues. For each ticket, the report includes default columns of Ticket ID, Organization, Description, Create Date.

You can customize the output of the report to include only tickets associated with specific organizations and/or tickets in specific ticket queues, and optional columns can be included in the report.



The following input options are available when generating the report:

- Organizations. Specify one or more organizations or all organizations to include in the report.
- Ticket Queues. Select all, multiple, or one ticket queue to include in the report.
- Optional Columns. Select from a list of optional columns to include in the report. Optional columns include:
  - Severity
  - Element Type
  - o Element Name
  - Device Category
  - Created By
  - Ticket Category
  - Updated
  - Updated By
  - Closed
  - Closed By
  - Close Time
  - Auto Close Event
  - Status
  - Source
  - o Queue Name

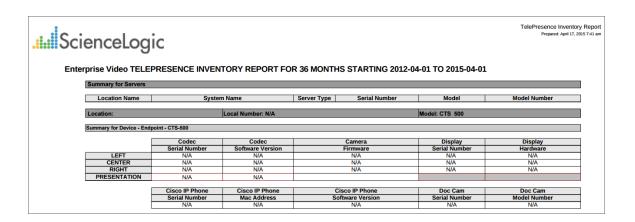
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- Assigned To
- Resolution
- Cause
- o Escalation
- Hours Billed Text
- o Hours Billed
- o Parent Ticket
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.

Ticketing > Ticket List

# Video > TelePresence Inventory Report

This report displays a summary of TelePresence servers, including the location name, system name, server type, serial number, model, and model number for each server.



The following options are available when generating the report:

- **Tandberg and TelePresence Organization Selection**. Select the organization that you want represented in the report.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report.

# Video > Video Calls by Device Group, Call Type, and Bandwidth Report

This report displays usage information for Tandberg, Polycom, Lifesize and Cisco TelePresence devices. For each device included in the report, the report displays a table for each type of call. For each type of call, the report displays the number of calls and total hours the device was on a call for each bandwidth type. The report includes only calls that were made during the time period selected for the report.

You can customize the output to include only specific devices. You can also specify the time span of information to include in the report.

.i.il ScienceLogic			
Video Calls by DeviceGroup, Call Type			
	Date: Februar		
	Organization: Custo		
	Call Type: Un		
	Bandwidth	Calls 279	Hours 298.31
Sum for Call Type: Unknown	5632 5632	279 279	298.31 298.31
Sum for Organization: Customer A Video	5632	279	298.31
Sum for Organization. Customer A video	Organization: Custo		298.31
	Call Type: Un		
	Bandwidth Call Type. On	Calls	Hours
	10500	110	0
Sum for Call Type: Unknown	10500	110	0
	Call Type: \	/ideo	
	Bandwidth	Calls	Hours
	11268	91	172.82
Sum for Call Type: Video	11268	91	172.82
Sum for Organization: Customer B Video	21768	201	172.82
Sum for Date: February 2015	27400	480	471.13
	Date: March		
	Organization: Custo		
	Call Type: Un		
	Bandwidth	Calls	Hours
Sum for Call Tunes University	1152 1152	9	0.01
Sum for Call Type: Unknown Sum for Organization: Customer A Video	1152	9	0.01 0.01
Sum for Date: March 2015	1152	9	0.01
Overall Totals:	28552	489	471.14
o rotain rotaio.	Generated on: April 17th, 20		471.14

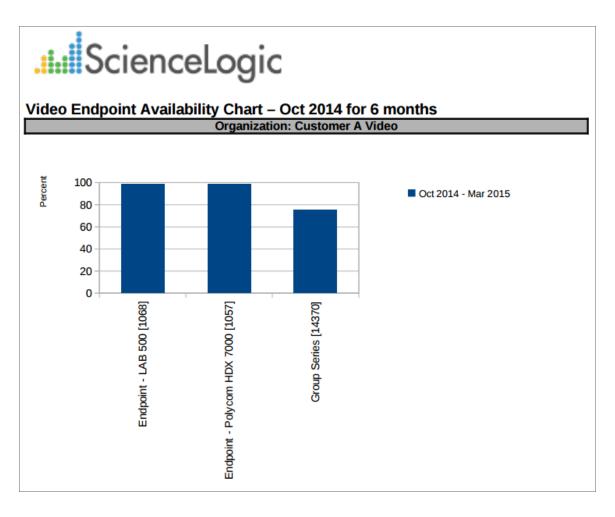
- **Branding**. Optionally enter text that will be displayed at the top of the report. If you do not enter a value in this field, "Video Endpoint Report" will be displayed at the top of the report.
- Device Selection: Select the devices that will appear in the report. The choices are:
  - o All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
    report will contain only the devices in the organizations you select. You can further filter the list of
    devices to include in the report by selecting devices in the Devices by Organization field.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
  - Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.

- **Device Group Selector**: Select the device groups that will appear in the report. The following input elements appear in this component:
  - Select By Device Group. Select this checkbox if you want to select which device groups to include in the report.
  - Device Groups. If the Select By Device Group checkbox is selected, select one or more device groups. The report will contain only the devices in the device groups you select.
- **Device Categories**. By default, the *All Device Categories* checkbox is selected. To limit the report to one or more specific device categories, select one or more device categories from the list of *Device Categories*.
- General Display Options. Specify how the report will be arranged:
  - Separated By. Select whether the report will be separated into multiple tables. The report can be separated to include one table per organization, one table per device group, one table per device category, or one table per device.
  - Naming. These checkboxes allow you to select whether the Device ID or the Organization ID will
    appear in the report.
  - · Report Sections. Select whether you want the report to display Details Only, Totals Only, or Both.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report. Starting. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report. Duration. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report. Timezone. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- **Report Type**. Specify that the report should include all selected devices or that the report should be limited to include a set number of devices with the highest utilization.

#### Video > Video Endpoint Availability Chart Report

This report displays a bar graph of device availability for Tandberg, Lifesize, Cisco, and Polycom video endpoints. For each device included in the report, the report displays availability in percentage for the time period selected for the report.

You can customize the output to include only specific devices and/or limit the number of devices that are included in the report. You can also specify the time span of information to include in the report, text that will appear at the top of the report, and how the devices will be sorted and arranged in the report.



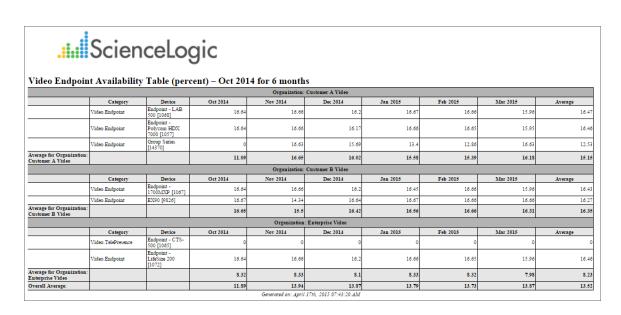
- **Branding**. Optionally enter text that will be displayed at the top of the report. If you do not enter a value in this field, "Video Endpoint Report" will be displayed at the top of the report.
- Device Selection: Select the devices that will appear in the report. The choices are:
  - · All devices. Select this checkbox if you want all devices in the system to be included in this report.

- Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
  report will contain only the devices in the organizations you select. You can further filter the list of
  devices to include in the report by selecting devices in the Devices by Organization field.
- Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
- Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.
- **Device Group Selector**: Select the device groups that will appear in the report. The following input elements appear in this component:
  - ° Select By Device Group. Select this checkbox if you want to select which device groups to include in the report.
  - Device Groups. If the Select By Device Group checkbox is selected, select one or more device groups. The report will contain only the devices in the device groups you select.
- **Device Categories**. By default, the *All Device Categories* checkbox is selected. To limit the report to one or more specific device categories, select one or more device categories from the list of *Device Categories*.
- General Display Options. Specify how the report will be arranged:
  - Separated By. Select whether the report will be separated into multiple tables. The report can be separated to include one table per organization, one table per device group, one table per device category, or one table per device.
  - Naming. These checkboxes allow you to select whether the Device ID or the Organization ID will
    appear in the report.
  - Stacking. Select the Enable Stacking checkbox to allow data to be stacked.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report. Starting. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report. Duration. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report. Timezone. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- **Report Type**. Specify that the report should include all selected devices or that the report should be limited to include a set number of devices with the highest utilization.

# Video > Video Endpoint Availability Table Report

This report displays an overview of device availability for Tandberg, Polycom, Lifesize and Cisco TelePresence devices. For each device included in the report, the report displays availability in percentage for the time period selected for the report.

You can customize the output to include only specific devices and/or limit the number of devices that are included in the report. You can also specify the time span of information to include in the report, text that will appear at the top of the report, and how the devices will be sorted and arranged in the report.



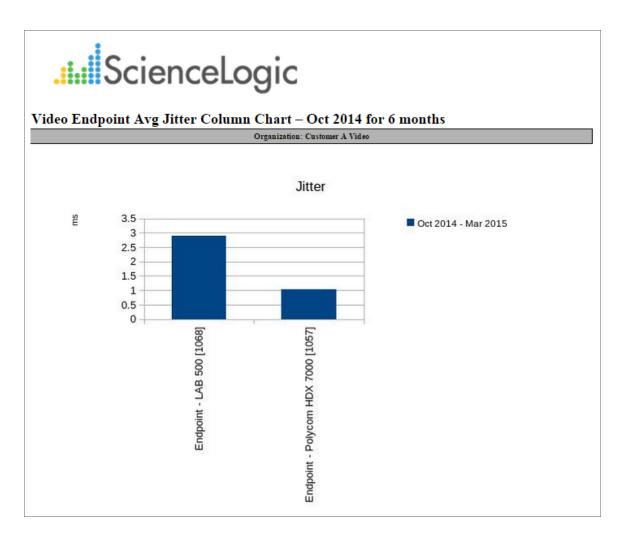
- **Branding**. Optionally enter text that will be displayed at the top of the report. If you do not enter a value in this field, "Video Endpoint Report" will be displayed at the top of the report.
- Device Selection: Select the devices that will appear in the report. The choices are:
  - · All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
    report will contain only the devices in the organizations you select. You can further filter the list of
    devices to include in the report by selecting devices in the Devices by Organization field.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
  - Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.

- **Device Group Selector**: Select the device groups that will appear in the report. The following input elements appear in this component:
  - Select By Device Group. Select this checkbox if you want to select which device groups to include in the report.
  - Device Groups. If the Select By Device Group checkbox is selected, select one or more device groups. The report will contain only the devices in the device groups you select.
- **Device Categories**. By default, the *All Device Categories* checkbox is selected. To limit the report to one or more specific device categories, select one or more device categories from the list of *Device Categories*.
- General Display Options. Specify how the report will be arranged:
  - Separated By. Select whether the report will be separated into multiple tables. The report can be separated to include one table per organization, one table per device group, one table per device category, or one table per device.
  - Naming. These checkboxes allow you to select whether the Device ID or the Organization ID will
    appear in the report.
  - · Report Sections. Select whether you want the report to display Details Only, Totals Only, or Both.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report. Starting. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report. Duration. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report. Timezone. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- **Report Type**. Specify that the report should include all selected devices or that the report should be limited to include a set number of devices with the highest utilization.

# Video > Video Endpoint Avg Jitter Column Chart Report

This report displays the average jitter for Tandberg, Polycom, Lifesize and Cisco TelePresence devices. For each device included in the report, the report displays the jitter average in milliseconds for the time period selected for the report.

You can customize the output to include only specific devices and/or limit the number of devices that are included in the report. You can also specify the time span of information to include in the report, text that will appear at the top of the report, and how the devices will be sorted and arranged in the report.



The following input options are available when generating the report:

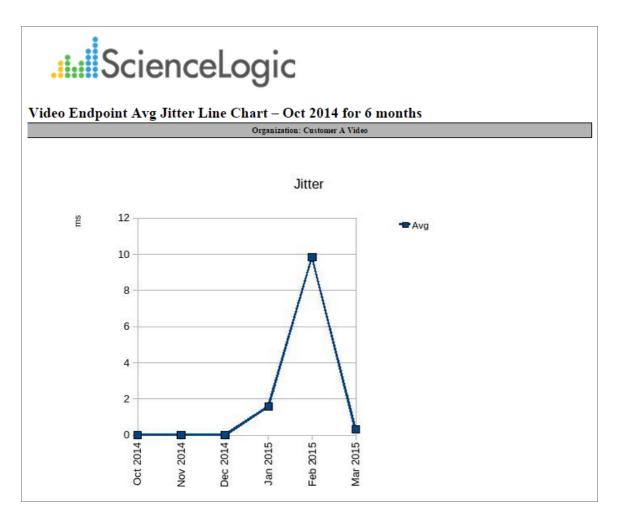
• **Branding**. Optionally enter text that will be displayed at the top of the report. If you do not enter a value in this field, "Video Endpoint Report" will be displayed at the top of the report.

- **Device Selection**: Select the devices that will appear in the report. The choices are:
  - o All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
    report will contain only the devices in the organizations you select. You can further filter the list of
    devices to include in the report by selecting devices in the Devices by Organization field.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
  - Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.
- **Device Group Selector**: Select the device groups that will appear in the report. The following input elements appear in this component:
  - Select By Device Group. Select this checkbox if you want to select which device groups to include in the report.
  - Device Groups. If the Select By Device Group checkbox is selected, select one or more device groups. The report will contain only the devices in the device groups you select.
- **Device Categories**. By default, the *All Device Categories* checkbox is selected. To limit the report to one or more specific device categories, select one or more device categories from the list of *Device Categories*.
- General Display Options. Specify how the report will be arranged:
  - Separated By. Select whether the report will be separated into multiple tables. The report can be separated to include one table per organization, one table per device group, one table per device category, or one table per device.
  - Naming. These checkboxes allow you to select whether the Device ID or the Organization ID will
    appear in the report.
  - **Stacking**. Select the Enable Stacking checkbox to allow data to be stacked.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report.
- **Starting**. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report.
- **Duration**. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report.
- **Timezone**. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- **Report Type**. Specify that the report should include all selected devices or that the report should be limited to include a set number of devices with the highest utilization.

#### Video > Video Endpoint Avg Jitter Line Chart Report

This report displays the average jitter for Tandberg, Polycom, Lifesize and Cisco TelePresence devices. For each device included in the report, the report displays the jitter average in milliseconds for the time period selected for the report.

You can customize the output to include only specific devices and/or limit the number of devices that are included in the report. You can also specify the time span of information to include in the report, text that will appear at the top of the report, and how the devices will be sorted and arranged in the report.



The following input options are available when generating the report:

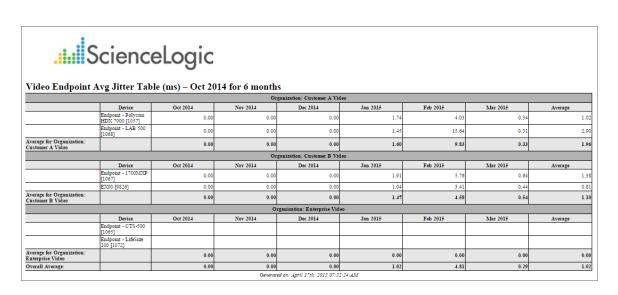
• **Branding**. Optionally enter text that will be displayed at the top of the report. If you do not enter a value in this field, "Video Endpoint Report" will be displayed at the top of the report.

- **Device Selection**: Select the devices that will appear in the report. The choices are:
  - o All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
    report will contain only the devices in the organizations you select. You can further filter the list of
    devices to include in the report by selecting devices in the Devices by Organization field.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
  - Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.
- **Device Group Selector**: Select the device groups that will appear in the report. The following input elements appear in this component:
  - Select By Device Group. Select this checkbox if you want to select which device groups to include in the report.
  - Device Groups. If the Select By Device Group checkbox is selected, select one or more device groups. The report will contain only the devices in the device groups you select.
- **Device Categories**. By default, the All Device Categories checkbox is selected. To limit the report to one or more specific device categories, select one or more device categories from the list of Device Categories.
- General Display Options. Specify how the report will be arranged:
  - Separated By. Select whether the report will be separated into multiple tables. The report can be separated to include one table per organization, one table per device group, one table per device category, or one table per device.
  - Naming. These checkboxes allow you to select whether the Device ID or the Organization ID will
    appear in the report.
  - **Stacking**. Select the Enable Stacking checkbox to allow data to be stacked.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report. Starting. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report. Duration. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report. Timezone. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- **Report Type**. Specify that the report should include all selected devices or that the report should be limited to include a set number of devices with the highest utilization.

# Video > Video Endpoint Avg Jitter Table Report

This report displays the average jitter for Tandberg, Lifesize, Cisco, and Polycom video endpoints. For each device included in the report, the report displays the jitter average in milliseconds for the time period selected for the report.

You can customize the output to include only specific devices and/or limit the number of devices that are included in the report. You can also specify the time span of information to include in the report, text that will appear at the top of the report, and how the devices will be sorted and arranged in the report.



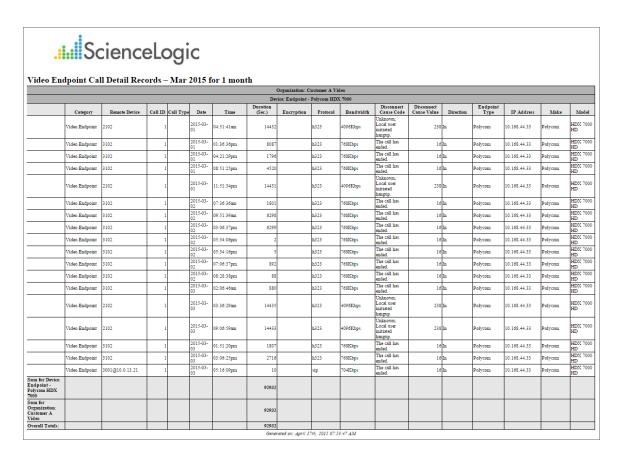
- **Branding**. Optionally enter text that will be displayed at the top of the report. If you do not enter a value in this field, "Video Endpoint Report" will be displayed at the top of the report.
- Device Selection: Select the devices that will appear in the report. The choices are:
  - All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
    report will contain only the devices in the organizations you select. You can further filter the list of
    devices to include in the report by selecting devices in the Devices by Organization field.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
  - Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.

- **Device Group Selector**: Select the device groups that will appear in the report. The following input elements appear in this component:
  - Select By Device Group. Select this checkbox if you want to select which device groups to include in the report.
  - Device Groups. If the Select By Device Group checkbox is selected, select one or more device groups. The report will contain only the devices in the device groups you select.
- **Device Categories**. By default, the *All Device Categories* checkbox is selected. To limit the report to one or more specific device categories, select one or more device categories from the list of *Device Categories*.
- General Display Options. Specify how the report will be arranged:
  - **Separated By**. Select whether the report will be separated into multiple tables. The report can be separated to include one table per organization, one table per device group, or one table per device.
  - Naming. These checkboxes allow you to select whether the Device ID or the Organization ID will
    appear in the report.
  - Report Sections. Select whether you want the report to display Details Only, Totals Only, or Both.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report. Starting. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report. Duration. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report. Timezone. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- **Report Type**. Specify that the report should include all selected devices or that the report should be limited to include a set number of devices with the highest utilization.

# Video > Video Endpoint Call Detail Records Report

This report displays call detail records for Cisco CE Series, Tandberg, LifeSize, and Polycom video endpoints. For each device included in the report, the report displays information about each call during the time period selected for the report. The report displays columns for Call ID, Remote Device, Date, Time, Duration in minutes, Encryption, Protocol, Disconnect Cause Code, Disconnect Cause Value, and Direction (In or Out).

You can customize the output to include only specific devices and call parameters. You can also specify the time span of information to include in the report, text that will appear at the top of the report, and how the devices will be sorted and arranged in the report.



- **Branding**. Optionally enter text that will be displayed at the top of the report. If you do not enter a value in this field, "Video Endpoint Report" will be displayed at the top of the report.
- Device Selection: Select the devices that will appear in the report. The choices are:
  - · All devices. Select this checkbox if you want all devices in the system to be included in this report.

- Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
  report will contain only the devices in the organizations you select. You can further filter the list of
  devices to include in the report by selecting devices in the Devices by Organization field.
- Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
- Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.
- **Device Group Selector**: Select the device groups that will appear in the report. The following input elements appear in this component:
  - Select By Device Group. Select this checkbox if you want to select which device groups to include in the report.
  - Device Groups. If the Select By Device Group checkbox is selected, select one or more device groups. The report will contain only the devices in the device groups you select.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report.
- **Starting**. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report.
- **Duration**. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report.
- Included Columns. Select the All Columns checkbox or select columns individually from the list.
- CDR Output Options. Specify if you want the duration to be presented in seconds or in hh:mm:ss format.
- **Device Categories**. By default, the All Device Categories checkbox is selected. To limit the report to one or more specific device categories, select one or more device categories from the list of Device Categories.
- **Separated By**. Select whether the report will be separated into multiple tables. The report can be separated to include one table per organization, one table per device group, one table per device category, or one table per device.
- *Naming*. These checkboxes allow you to select whether the Device ID or the Organization ID will appear in the report.
- Report Sections. Select whether you want the report to display Details Only, Totals Only, or Both.
- Filter Options. Specify the calls to include in the report by selecting one or more of the following filters:
  - Disconnect Codes. To include only calls that had a specific disconnect code, select a value in this
    field. If you select Specific disconnect codes in this field, supply a comma-delimited list of disconnect
    codes in the CSV list of specific codes field.
  - Duration. To include only calls that had a specific duration, enter a minimum duration and a maximum duration.
  - Encryption Setting. To include only calls that used a specific encryption setting, select an encryption

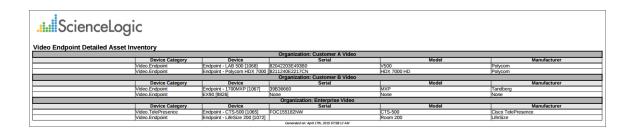
setting in this field.

- ° Protocol. To include only calls that used a specific protocol, select a protocol in this field.
- Device Specific Columns. Select additional columns from the list, per CDR application type.

#### Video > Video Endpoint Detailed Asset Inventory Report

This report displays a detailed inventory of assets for Tandberg, Polycom, Lifesize, and Cisco TelePresence devices. For each device included in the report, the report displays the device group, device name, serial number, model number, and manufacturer.

You can customize the output to include only specific devices and/or limit the number of devices that are included in the report. You can also specify the time span of information to include in the report, text that will appear at the top of the report, and how the devices will be sorted and arranged in the report.



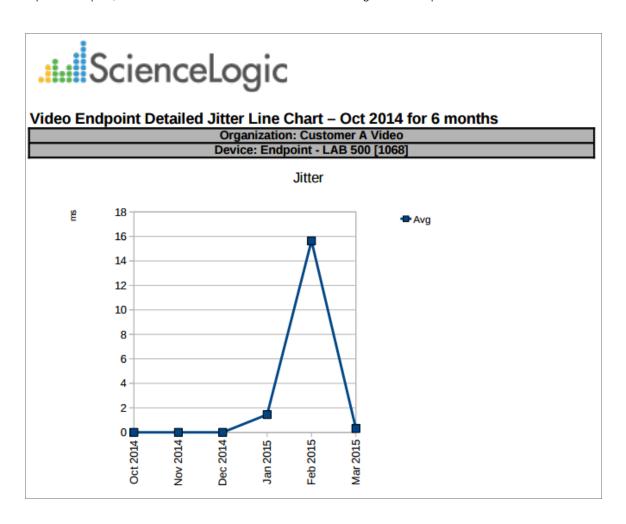
- **Branding**. Optionally enter text that will be displayed at the top of the report. If you do not enter a value in this field, "Video Endpoint Report" will be displayed at the top of the report.
- Device Selection: Select the devices that will appear in the report. The choices are:
  - · All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
    report will contain only the devices in the organizations you select. You can further filter the list of
    devices to include in the report by selecting devices in the Devices by Organization field.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
  - Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.
- **Device Group Selector**: Select the device groups that will appear in the report. The following input elements appear in this component:
  - Select By Device Group. Select this checkbox if you want to select which device groups to include in the report.
  - Device Groups. If the Select By Device Group checkbox is selected, select one or more device groups. The report will contain only the devices in the device groups you select.

- **Device Categories**. By default, the *All Device Categories* checkbox is selected. To limit the report to one or more specific device categories, select one or more device categories from the list of *Device Categories*.
- General Display Options. Specify how the report will be arranged:
  - Separated By. Select whether the report will be separated into multiple tables. The report can be separated to include one table per organization, one table per device group, one table per device category, or one table per device.
  - Naming. These checkboxes allow you to select whether the Device ID or the Organization ID will
    appear in the report.

# Video > Video Endpoint Detailed Jitter Line Chart Report

This report displays the average jitter for Tandberg, Polycom, Lifesize and Cisco TelePresence devices. For each device included in the report, the report displays the jitter average in milliseconds for the time period selected for the report.

You can customize the output to include only specific devices and/or limit the number of devices that are included in the report. You can also specify the time span of information to include in the report, text that will appear at the top of the report, and how the devices will be sorted and arranged in the report.



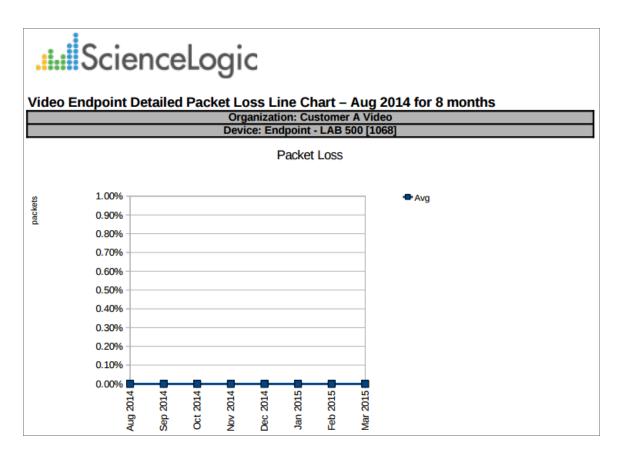
- **Branding**. Optionally enter text that will be displayed at the top of the report. If you do not enter a value in this field, "Video Endpoint Report" will be displayed at the top of the report.
- Device Selection: Select the devices that will appear in the report. The choices are:
  - o All devices. Select this checkbox if you want all devices in the system to be included in this report.

- Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
  report will contain only the devices in the organizations you select. You can further filter the list of
  devices to include in the report by selecting devices in the Devices by Organization field.
- Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
- Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.
- **Device Group Selector**: Select the device groups that will appear in the report. The following input elements appear in this component:
  - ° Select By Device Group. Select this checkbox if you want to select which device groups to include in the report.
  - Device Groups. If the Select By Device Group checkbox is selected, select one or more device groups. The report will contain only the devices in the device groups you select.
- **Device Categories**. By default, the *All Device Categories* checkbox is selected. To limit the report to one or more specific device categories, select one or more device categories from the list of *Device Categories*.
- General Display Options. Specify how the report will be arranged:
  - Separated By. Select whether the report will be separated into multiple tables. The report can be separated to include one table per organization, one table per device group, or one table per device category.
  - Naming. These checkboxes allow you to select whether the Device ID or the Organization ID will
    appear in the report.
  - Stacking. Select the Enable Stacking checkbox to allow data to be stacked.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report. Starting. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report. Duration. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report. Timezone. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- **Report Type**. Specify that the report should include all selected devices or that the report should be limited to include a set number of devices with the highest utilization.

# Video > Video Endpoint Detailed Packet Loss Line Chart Report

This report displays the packet loss for Tandberg, Lifesize, Cisco, and Polycom video endpoints. For each device included in the report, the report displays the packet loss by percentage over the time period selected for the report.

You can customize the output to include only specific devices and/or limit the number of devices that are included in the report. You can also specify the time span of information to include in the report, text that will appear at the top of the report, and how the devices will be sorted and arranged in the report.



The following input options are available when generating the report:

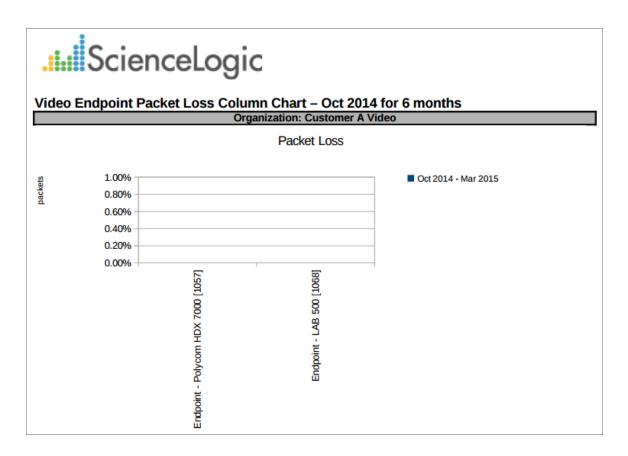
• **Branding**. Optionally enter text that will be displayed at the top of the report. If you do not enter a value in this field, "Video Endpoint Report" will be displayed at the top of the report.

- **Device Selection**: Select the devices that will appear in the report. The choices are:
  - o All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
    report will contain only the devices in the organizations you select. You can further filter the list of
    devices to include in the report by selecting devices in the Devices by Organization field.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
  - Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.
- **Device Group Selector**: Select the device groups that will appear in the report. The following input elements appear in this component:
  - Select By Device Group. Select this checkbox if you want to select which device groups to include in the report.
  - Device Groups. If the Select By Device Group checkbox is selected, select one or more device groups. The report will contain only the devices in the device groups you select.
- **Device Categories**. By default, the *All Device Categories* checkbox is selected. To limit the report to one or more specific device categories, select one or more device categories from the list of *Device Categories*.
- General Display Options. Specify how the report will be arranged:
  - Separated By. Select whether the report will be separated into multiple tables. The report can be separated to include one table per organization, one table per device group, or one table per device category.
  - Naming. These checkboxes allow you to select whether the Device ID or the Organization ID will
    appear in the report.
  - **Stacking**. Select the Enable Stacking checkbox to allow data to be stacked.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report. Starting. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report. Duration. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report. Timezone. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- **Report Type**. Specify that the report should include all selected devices or that the report should be limited to include a set number of devices with the highest utilization.

# Video > Video Endpoint Packet Loss Column Chart Report

This report displays the packet loss for Tandberg, Lifesize, Cisco, and Polycom video endpoints. For each device included in the report, the report displays the packet loss by percentage over the time period selected for the report.

You can customize the output to include only specific devices and/or limit the number of devices that are included in the report. You can also specify the time span of information to include in the report, text that will appear at the top of the report, and how the devices will be sorted and arranged in the report.



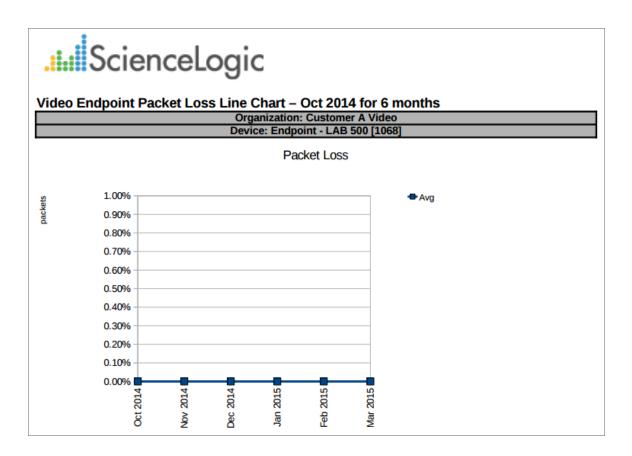
- **Branding**. Optionally enter text that will be displayed at the top of the report. If you do not enter a value in this field, "Video Endpoint Report" will be displayed at the top of the report.
- **Device Selection**: Select the devices that will appear in the report. The choices are:
  - · All devices. Select this checkbox if you want all devices in the system to be included in this report.

- Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
  report will contain only the devices in the organizations you select. You can further filter the list of
  devices to include in the report by selecting devices in the Devices by Organization field.
- Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
- Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.
- **Device Group Selector**: Select the device groups that will appear in the report. The following input elements appear in this component:
  - ° Select By Device Group. Select this checkbox if you want to select which device groups to include in the report.
  - Device Groups. If the Select By Device Group checkbox is selected, select one or more device groups. The report will contain only the devices in the device groups you select.
- **Device Categories**. By default, the *All Device Categories* checkbox is selected. To limit the report to one or more specific device categories, select one or more device categories from the list of *Device Categories*.
- General Display Options. Specify how the report will be arranged:
  - Separated By. Select whether the report will be separated into multiple tables. The report can be separated to include one table per organization, one table per device group, one table per device category, or one table per device.
  - Naming. These checkboxes allow you to select whether the Device ID or the Organization ID will
    appear in the report.
  - Stacking. Select the Enable Stacking checkbox to allow data to be stacked.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report. Starting. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report. Duration. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report. Timezone. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- **Report Type**. Specify that the report should include all selected devices or that the report should be limited to include a set number of devices with the highest utilization.

# Video > Video Endpoint Packet Loss Line Chart Report

This report displays the packet loss for Tandberg, Lifesize, Cisco, and Polycom video endpoints. For each device included in the report, the report displays the packet loss by percentage over the time period selected for the report.

You can customize the output to include only specific devices and/or limit the number of devices that are included in the report. You can also specify the time span of information to include in the report, text that will appear at the top of the report, and how the devices will be sorted and arranged in the report.



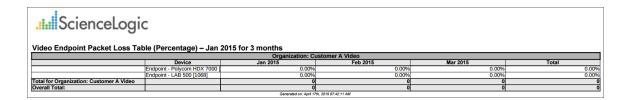
- **Branding**. Optionally enter text that will be displayed at the top of the report. If you do not enter a value in this field, "Video Endpoint Report" will be displayed at the top of the report.
- Device Selection: Select the devices that will appear in the report. The choices are:
  - · All devices. Select this checkbox if you want all devices in the system to be included in this report.

- Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
  report will contain only the devices in the organizations you select. You can further filter the list of
  devices to include in the report by selecting devices in the Devices by Organization field.
- Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
- Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.
- **Device Group Selector**: Select the device groups that will appear in the report. The following input elements appear in this component:
  - Select By Device Group. Select this checkbox if you want to select which device groups to include in the report.
  - Device Groups. If the Select By Device Group checkbox is selected, select one or more device groups. The report will contain only the devices in the device groups you select.
- **Device Categories**. By default, the *All Device Categories* checkbox is selected. To limit the report to one or more specific device categories, select one or more device categories from the list of *Device Categories*.
- General Display Options. Specify how the report will be arranged:
  - Separated By. Select whether the report will be separated into multiple tables. The report can be separated to include one table per organization, one table per device group, one table per device category, or one table per device.
  - Naming. These checkboxes allow you to select whether the Device ID or the Organization ID will
    appear in the report.
  - Stacking. Select the Enable Stacking checkbox to allow data to be stacked.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report. Starting. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report. Duration. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report. Timezone. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- **Report Type**. Specify that the report should include all selected devices or that the report should be limited to include a set number of devices with the highest utilization.

#### Video > Video Endpoint Packet Loss Table Report

This report displays the packet loss for Tandberg, Lifesize, Cisco, and Polycom video endpoints. For each device included in the report, the report displays the packet loss by percentage over the time period selected for the report.

You can customize the output to include only specific devices and/or limit the number of devices that are included in the report. You can also specify the time span of information to include in the report, text that will appear at the top of the report, and how the devices will be sorted and arranged in the report.



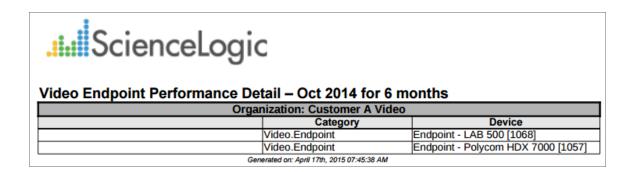
- **Branding**. Optionally enter text that will be displayed at the top of the report. If you do not enter a value in this field, "Video Endpoint Report" will be displayed at the top of the report.
- Device Selection: Select the devices that will appear in the report. The choices are:
  - o All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
    report will contain only the devices in the organizations you select. You can further filter the list of
    devices to include in the report by selecting devices in the Devices by Organization field.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
  - Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.
- **Device Group Selector**: Select the device groups that will appear in the report. The following input elements appear in this component:
  - Select By Device Group. Select this checkbox if you want to select which device groups to include in the report.
  - Device Groups. If the Select By Device Group checkbox is selected, select one or more device groups. The report will contain only the devices in the device groups you select.

- **Device Categories**. By default, the All Device Categories checkbox is selected. To limit the report to one or more specific device categories, select one or more device categories from the list of Device Categories.
- General Display Options. Specify how the report will be arranged:
  - Separated By. Select whether the report will be separated into multiple tables. The report can be separated to include one table per organization, one table per device group, one table per device category, or one table per device.
  - Naming. These checkboxes allow you to select whether the Device ID or the Organization ID will
    appear in the report.
  - · Report Sections. Select whether you want the report to display Details Only, Totals Only, or Both.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report. Starting. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report. Duration. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report. Timezone. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- **Report Type**. Specify that the report should include all selected devices or that the report should be limited to include a set number of devices with the highest utilization.

#### Video > Video Endpoint Performance Detail Report

This report displays a performance detail for Tandberg, Lifesize, Cisco, and Polycom video endpoints. The report displays the organizations, device groups, device names, average RX audio and video packet loss, average TX audio and video packet loss, average RX audio and video jitter, and average RX and TX bandwidth.

You can customize the output to include only specific devices and/or limit the number of devices that are included in the report. You can also specify the time span of information to include in the report, text that will appear at the top of the report, and how the devices will be sorted and arranged in the report.



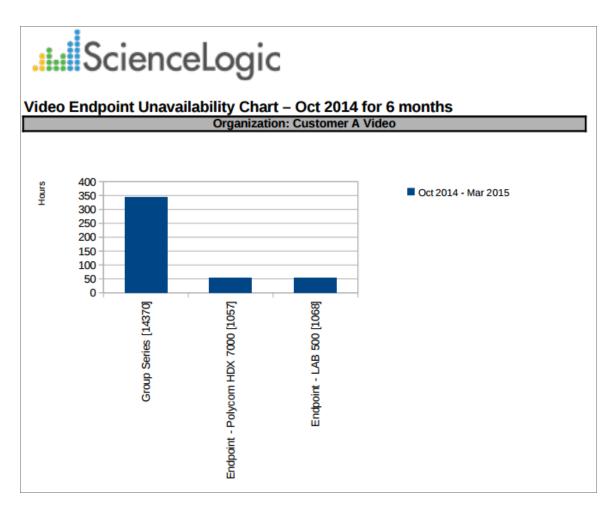
- **Branding**. Optionally enter text that will be displayed at the top of the report. If you do not enter a value in this field, "Video Endpoint Report" will be displayed at the top of the report.
- Device Selection: Select the devices that will appear in the report. The choices are:
  - All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
    report will contain only the devices in the organizations you select. You can further filter the list of
    devices to include in the report by selecting devices in the Devices by Organization field.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
  - Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.
- **Device Group Selector**: Select the device groups that will appear in the report. The following input elements appear in this component:
  - Select By Device Group. Select this checkbox if you want to select which device groups to include in the report.
  - Device Groups. If the Select By Device Group checkbox is selected, select one or more device groups. The report will contain only the devices in the device groups you select.

- **Device Categories**. By default, the All Device Categories checkbox is selected. To limit the report to one or more specific device categories, select one or more device categories from the list of Device Categories.
- General Display Options. Specify how the report will be arranged:
  - Separated By. Select whether the report will be separated into multiple tables. The report can be separated to include one table per organization, one table per device group, one table per device category, or one table per device.
  - Naming. These checkboxes allow you to select whether the Device ID or the Organization ID will
    appear in the report.
  - · Report Sections. Select whether you want the report to display Details Only, Totals Only, or Both.
  - Sort By. Select whether the report will appear in Ascending or Descending order and the type of packet loss.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report. Starting. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report. Duration. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report. Timezone. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- **Report Type**. Specify that the report should include all selected devices or that the report should be limited to include a set number of devices with the highest utilization.

# Video > Video Endpoint Unavailability Chart Report

This report displays a bar graph of unavailability for Tandberg, Polycom, Lifesize and Cisco TelePresence devices. For each device included in the report, the report displays the number of hours the device was unavailable during the time period selected for the report.

You can customize the output to include only specific devices and/or limit the number of devices that are included in the report. You can also specify the time span of information to include in the report, text that will appear at the top of the report, and how the devices will be sorted and arranged in the report.



- **Branding**. Optionally enter text that will be displayed at the top of the report. If you do not enter a value in this field, "Video Endpoint Report" will be displayed at the top of the report.
- Device Selection: Select the devices that will appear in the report. The choices are:
  - o All devices. Select this checkbox if you want all devices in the system to be included in this report.

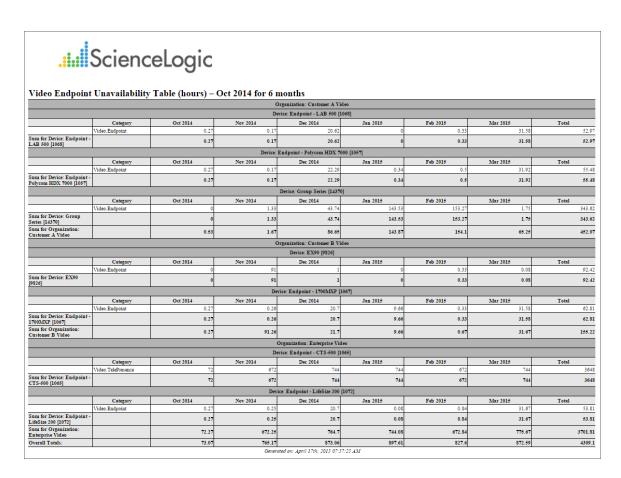
- Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
  report will contain only the devices in the organizations you select. You can further filter the list of
  devices to include in the report by selecting devices in the Devices by Organization field.
- Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
- Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.
- **Device Group Selector**: Select the device groups that will appear in the report. The following input elements appear in this component:
  - Select By Device Group. Select this checkbox if you want to select which device groups to include in the report.
  - Device Groups. If the Select By Device Group checkbox is selected, select one or more device groups. The report will contain only the devices in the device groups you select.
- **Device Categories**. By default, the *All Device Categories* checkbox is selected. To limit the report to one or more specific device categories, select one or more device categories from the list of *Device Categories*.
- General Display Options. Specify how the report will be arranged:
  - Separated By. Select whether the report will be separated into multiple tables. The report can be separated to include one table per organization, one table per device group, one table per device category, or one table per device.
  - Naming. These checkboxes allow you to select whether the Device ID or the Organization ID will
    appear in the report.
  - Stacking. Select the Enable Stacking checkbox to allow data to be stacked.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report. Starting. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report. Duration. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report. Timezone. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- **Report Type**. Specify that the report should include all selected devices or that the report should be limited to include a set number of devices with the highest utilization.

This description covers the latest version of this report as shipped by ScienceLogic in the Video Reports PowerPack. This report might have been modified on your SL1 system.

## Video > Video Endpoint Unavailability Table Report

This report displays a table of unavailability for Tandberg, Polycom, Lifesize and Cisco TelePresence devices. For each device included in the report, the report displays the number of hours the device was unavailable during the time period selected for the report.

You can customize the output to include only specific devices and/or limit the number of devices that are included in the report. You can also specify the time span of information to include in the report, text that will appear at the top of the report, and how the devices will be sorted and arranged in the report.



The following input options are available when generating the report:

• **Branding**. Optionally enter text that will be displayed at the top of the report. If you do not enter a value in this field, "Video Endpoint Report" will be displayed at the top of the report.

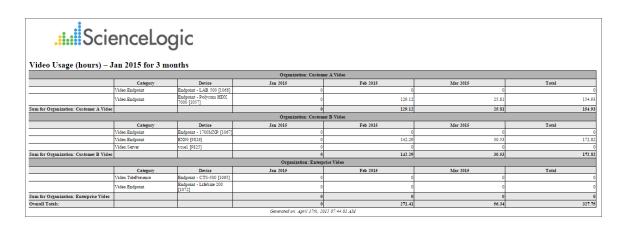
- **Device Selection**: Select the devices that will appear in the report. The choices are:
  - All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
    report will contain only the devices in the organizations you select. You can further filter the list of
    devices to include in the report by selecting devices in the Devices by Organization field.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
  - Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.
- **Device Group Selector**: Select the device groups that will appear in the report. The following input elements appear in this component:
  - Select By Device Group. Select this checkbox if you want to select which device groups to include in the report.
  - Device Groups. If the Select By Device Group checkbox is selected, select one or more device groups. The report will contain only the devices in the device groups you select.
- **Device Categories**. By default, the All Device Categories checkbox is selected. To limit the report to one or more specific device categories, select one or more device categories from the list of Device Categories.
- General Display Options. Specify how the report will be arranged:
  - Separated By. Select whether the report will be separated into multiple tables. The report can be separated to include one table per organization, one table per device group, one table per device category, or one table per device.
  - **Naming**. These checkboxes allow you to select whether the Device ID or the Organization ID will appear in the report.
  - · Report Sections. Select whether you want the report to display Details Only, Totals Only, or Both.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report. Starting. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report. Duration. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report. Timezone. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- **Report Type**. Specify that the report should include all selected devices or that the report should be limited to include a set number of devices with the highest utilization.

This description covers the latest version of this report as shipped by ScienceLogic in the Video Reports PowerPack. This report might have been modified on your SL1 system.

## Video > Video Usage Report

This report displays usage based on call detail records for Tandberg, Polycom, Lifesize and Cisco TelePresence devices. For each device included in the report, the report displays the total number of hours the device was on a call for the time period selected for the report.

You can customize the output to include only specific devices and/or limit the number of devices that are included in the report. You can also specify the time span of information to include in the report, text that will appear at the top of the report, and how the devices will be sorted and arranged in the report.



The following input options are available when generating the report:

- **Branding**. Optionally enter text that will be displayed at the top of the report. If you do not enter a value in this field, "Video Endpoint Report" will be displayed at the top of the report.
- Device Selection: Select the devices that will appear in the report. The choices are:
  - · All devices. Select this checkbox if you want all devices in the system to be included in this report.
  - Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
    report will contain only the devices in the organizations you select. You can further filter the list of
    devices to include in the report by selecting devices in the Devices by Organization field.
  - Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
  - Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.
- **Device Group Selector**: Select the device groups that will appear in the report. The following input elements appear in this component:
  - Select By Device Group. Select this checkbox if you want to select which device groups to include in the report.

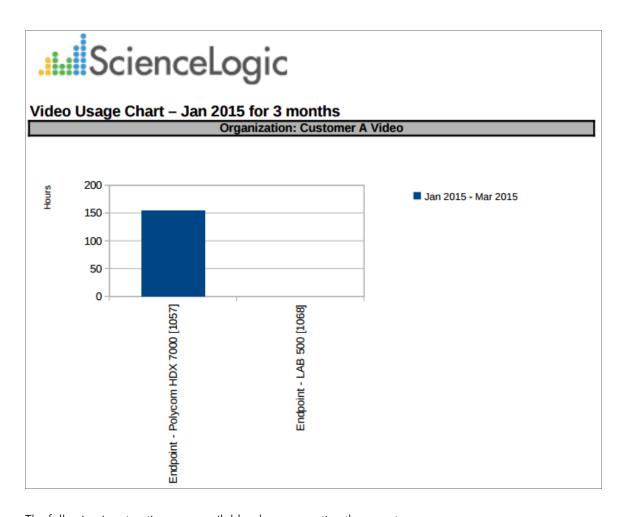
- Device Groups. If the Select By Device Group checkbox is selected, select one or more device groups. The report will contain only the devices in the device groups you select.
- **Device Categories**. Select the device categories that will appear in the report. The following input elements appear in this component:
  - All Device Categories. Select this checkbox if you want all device categories in the system to be included in this report.
  - Device Categories. If the All Device Categories checkbox is unselected, you can select one or more device categories to include in the report.
- General Display Options. Specify how the report will be arranged:
  - Separated By. Select whether the report will be separated into multiple tables. The report can be separated to include one table per organization, one table per device group, one table per device category, or one table per device.
  - Naming. These checkboxes allow you to select whether the Device ID or the Organization ID will
    appear in the report.
  - ° Report Sections. Select whether you want the report to display Details Only, Totals Only, or Both.
  - o Misc. Options. This checkbox allows you to aggregate the final separation column.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report. Starting. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report. Duration. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report. Timezone. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- **Report Type**. Specify that the report should include all selected devices or that the report should be limited to include a set number of devices with the highest utilization.

This description covers the latest version of this report as shipped by ScienceLogic in the Video Reports PowerPack. This report might have been modified on your SL1 system.

## Video > Video Usage Chart Report

This report displays a bar graph of usage based on call detail records for Tandberg, Polycom, Lifesize and Cisco TelePresence devices. For each device included in the report, the report displays the total number of hours the device was on a call for the time period selected for the report.

You can customize the output to include only specific devices and/or limit the number of devices that are included in the report. You can also specify the time span of information to include in the report, text that will appear at the top of the report, and how the devices will be sorted and arranged in the report.



The following input options are available when generating the report:

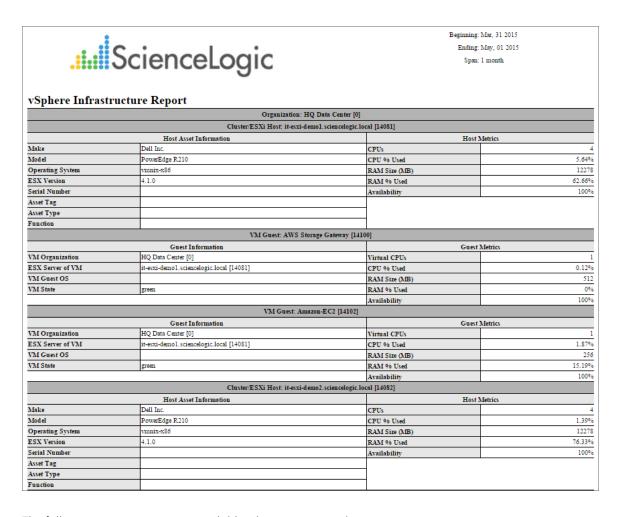
- **Branding**. Optionally enter text that will be displayed at the top of the report. If you do not enter a value in this field, "Video Endpoint Report" will be displayed at the top of the report.
- Device Selection: Select the devices that will appear in the report. The choices are:
  - · All devices. Select this checkbox if you want all devices in the system to be included in this report.

- Organizations. If the All devices checkbox is unselected, select one or more Organizations. The
  report will contain only the devices in the organizations you select. You can further filter the list of
  devices to include in the report by selecting devices in the Devices by Organization field.
- Select individual devices. If the All devices checkbox is unselected, the Select individual devices checkbox is available. Select this checkbox if you would like to use the Devices by Organization field to select the individual devices to include in the report.
- Devices by Organization. This field displays a list of all devices in the organizations selected in the Organizations field. If the Select individual devices checkbox is selected, you can select one or more devices to include in the report.
- **Device Group Selector**: Select the device groups that will appear in the report. The following input elements appear in this component:
  - Select By Device Group. Select this checkbox if you want to select which device groups to include in the report.
  - Device Groups. If the Select By Device Group checkbox is selected, select one or more device groups. The report will contain only the devices in the device groups you select.
- **Device Categories**. Select the device categories that will appear in the report. The following input elements appear in this component:
  - All Device Categories. Select this checkbox if you want all device categories in the system to be included in this report.
  - Device Categories. If the All Device Categories checkbox is unselected, you can select one or more device categories to include in the report.
- General Display Options. Specify how the report will be arranged:
  - Separated By. Select whether the report will be separated into multiple tables. The report can be separated to include one table per organization, one table per device group, one table per device category, or one table per device.
  - Naming. These checkboxes allow you to select whether the Device ID or the Organization ID will
    appear in the report.
  - ° Charting Options. Select whether you want the report to aggregate the final separation column, show devices as a series, or enable stacking.
- Report Span. Specify a Daily, Weekly, or Monthly span to include in the report. Starting. Use the Year, Month, and Date fields to specify a Start Date for the report. The SL1 system will use data from that date as the starting point of the report. Duration. Specify the duration for the report, from 1 month to 36 months. The SL1 system will use data from the Starting date as the start point of the report and data from the last day of the Duration as the ending point of the report. Timezone. Specify the timezone to use for date and time values in the report. Specify the timezone by number of hours offset from UTC.
- **Report Type**. Specify that the report should include all selected devices or that the report should be limited to include a set number of devices with the highest utilization.

This description covers the latest version of this report as shipped by ScienceLogic in the Video Reports PowerPack. This report might have been modified on your SL1 system.

## Virtualization > vSphere Infrastructure

This report displays information for selected ESXi Hosts, including information about all Guest VMs running on the ESX server. This report also displays asset and usage information for each selected ESXi Host. For each ESXi Host and Guest VM, the report displays default rows of Make, Model, Operating System, ESX Version, Serial Number, Asset Tag, Asset Type, Function, CPUs, CPU % Used, RAM Size, RAM % Used, and Availability.



The following input options are available when generating the report:

- Select ESXi Host. By default, if the Select Individual Hosts checkbox is NOT selected, the report will
  include all hosts in the report. Select the Select Individual Hosts checkbox if you want to include only
  specific hosts in the report.
- Device Group Selector. Select one, multiple, or all device groups to include in the report. Select the All
   Device Groups checkbox if you want to include devices from all device groups in the report.
  - Device Groups. If the All Device Groups checkbox is not selected, this field allows the user to select specific Device Groups.

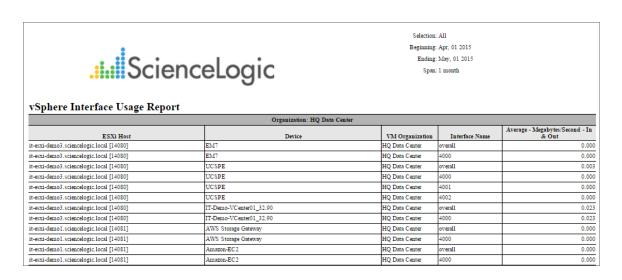
- **Device Categories**. Select one, multiple, or all device categories to include in the report. Select the **All Device Categories** checkbox if you want to include devices from all device categories in the report.
  - Device Categories. Further filters the list of devices selected in the **Device Selection** field. Only those
    devices selected in the **Device Selection** fields that are also from the selected device categories will
    be included in the report.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.
- **Separated By**. Group devices by Organization or Device Group. The Organization checkbox is selected by default.

This description covers the latest version of this report as shipped by ScienceLogic. This report might have been modified on your SL1 system.

## Virtualization > vSphere Interface Usage

This report displays interface usage for selected ESXi Hosts, including total and average usage. For each ESXi Host, this report displays default columns of ESXi Host, Device, VM Organization, Interface Name, and Average - Megabytes/Second - In & Out.

You can customize the report output to include optional columns such as Organization, and Variables to Display, such as Megabytes/Second In and Out and Total Packets In and Out.



The following input options are available when generating the report:

- Select ESXi Host. By default, if the Select Individual Hosts checkbox is NOT selected, the report will
  include all hosts in the report. Select the Select Individual Hosts checkbox if you want to include only
  specific hosts in the report.
- **Device Group Selector**. Select one, multiple, or all device groups to include in the report. Select the **All Device Groups** checkbox if you want to include devices from all device groups in the report.
  - Device Groups. If the **All Device Groups** checkbox is not selected, this field allows the user to select specific Device Groups.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.
- **Separated By**. Group devices by Organization, Cluster/ESXi Host, Device Group, or VM Guest. The Organization checkbox is selected by default.
- Optional Columns. Select the Device IP Address checkbox to include this column in the report.
- Report Settings. Select which performance metric to include on the report from the Variable to Display drop-down, including:

- Megabytes/Second In and Out
- ° Total Packets In and Out
- o Total Packets Dropped In and Out
- Select from a list of checkboxes:
  - o Show Totals. Displays the sum total of the performance metric selected in the report.
  - Average by interface. Show total average interface usage for each device, asset, or Guest VM.
  - Non-Zero only. Do not show results with zero usage.

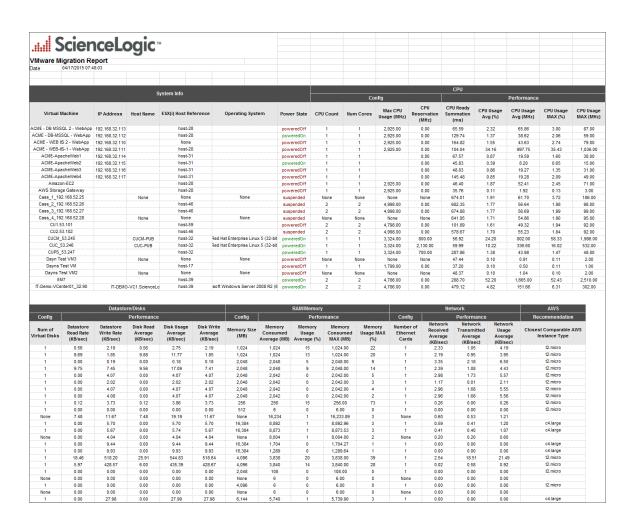
This description covers the latest version of this report as shipped by ScienceLogic. This report might have been modified on your SL1 system.

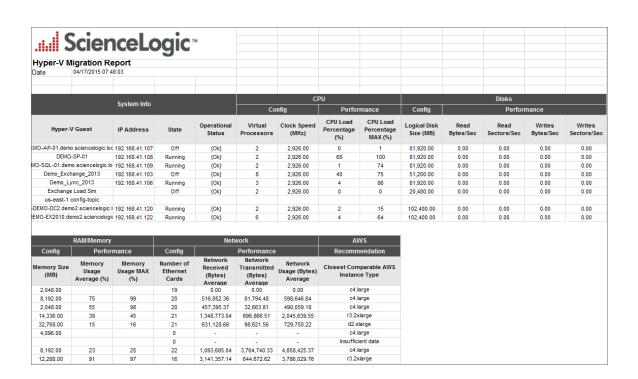
## Virtualization > vSphere Migration

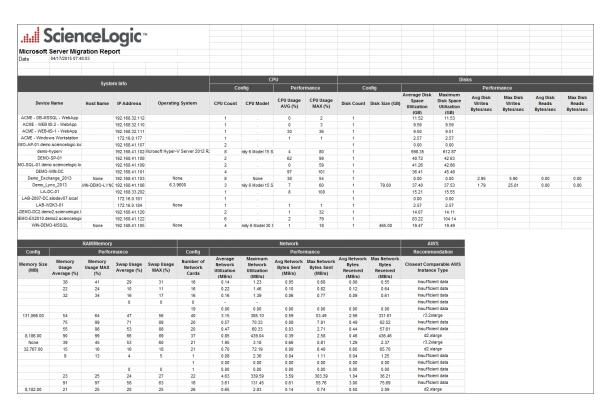
This report displays a list of guest ESXi Hosts that have moved from one ESX server to another. The report includes the following columns: Device Name of the VM, VM name, Migration Date/Time, Old ESX Server, and New ESX Server.

You can customize this report by including only specific ESXi Hosts or VMs and by selecting the time span of the report.

**NOTE**: The following screenshots have been modified to improve clarity.







**NOTE**: This report is only available to administrators at this time.

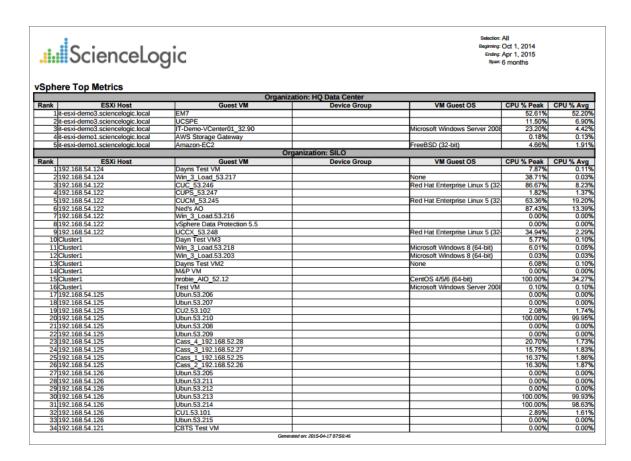
The following input options are available when generating the report:

- Select ESXi Host. By default, if the Select Individual Hosts checkbox is NOT selected, the report will
  include all hosts in the report. Select the Select Individual Hosts checkbox if you want to include only
  specific hosts in the report.
- **Device Group Selector**. Select one, multiple, or all device groups to include in the report. Select the **All Device Groups** checkbox if you want to include devices from all device groups in the report.
  - Device Groups. If the All Device Groups checkbox is not selected, this field allows the user to select specific Device Groups.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.
- **Separated By**. Group devices by Organization, Device Group, and separate these selections further by ESXi Host or VM Guest.
- Sort by. Sort the report by Migration Date/Time, Old Server, or New Server.
- **Options**. Select the checkbox to include migrations for ESXi hosts and VMs that are not mapped to EM7 devices.

This description covers the latest version of this report as shipped by ScienceLogic. This report might have been modified on your SL1 system.

## Virtualization > vSphere Top Metrics

This report displays the top metrics of selected ESXi Hosts, with the default columns Rank, ESXi Host, Guest VM, Device Group, VM Guest OS, CPU % Peak, CPU % Avg.



The following input options are available when generating the report:

- Select ESXi Host. By default, if the Select Individual Hosts checkbox is NOT selected, the report will include all hosts in the report. Select the Select Individual Hosts checkbox if you want to include only specific hosts in the report.
- **Device Group Selector**. Select one, multiple, or all device groups to include in the report. Select the **All Device Groups** checkbox if you want to include devices from all device groups in the report.
  - Device Groups. If the **All Device Groups** checkbox is not selected, this field allows the user to select specific Device Groups.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.
- Separated By. Group devices by Organization, Device Group, or Cluster & ESXi Host.

- Device Selection Options. Select All; Auto-select using the specified thresholds (below) in the Metrics and Thresholds section; or Auto-select a specific number by their rank, which allows you to use drop-down menus to select the bottom or top 10–1000 devices.
- Metrics and Thresholds. Allows you to select which metrics you wish to display in the report. CPU
   Utilization is the default selection, however you have the option to keep or remove CPU Utilization, and add
   Memory or Availability. If you have selected Auto-select using the specified thresholds (below) in the Device
   Selection Options section, you can specify a value for a threshold that all devices in the report must exceed
   using the drop-down menus.

This description covers the latest version of this report as shipped by ScienceLogic. This report might have been modified on your SL1 system.

## Virtualization > vSphere Top Utilization

This report displays the ESXi Hosts with the highest utilization. This report can be generated as:

- A "Top N" report, where you select a utilization statistic (CPU, Memory, or Availability) and the number of
  guest ESXi Hosts to include on the report. The Hosts that will be included in the report are those with the
  highest values for the specified utilization statistic. For each ESXi Host included in the report, the report
  displays default columns of Rank, ESXi Host, Guest VM, Device Group, Device Organization, VM Guest
  OS, CPU % Peak, CPU % Average, Memory % Peak, Memory % Average, Availability % Peak, and
  Availability % Average.
- A "Threshold" report, where you select a percentage threshold for CPU utilization, Memory utilization, and
  Availability utilization. The report will include a table for each utilization statistic. Each table includes the
  devices that have a peak percentage value that exceeds the specified threshold for that utilization statistic.
  For each device included in the report, the report displays default columns of Rank; ESXi Host; Guest VM;
  Device Group; Device Organization; VM Guest OS; CPU, Memory, or Availability % Peak; and CPU,
  Memory, or Availability % Average.

You can customize the output of the report to limit which ESXi Hosts will be evaluated for inclusion in the report. You can also specify the time span of information to include in the report.

VSphere Top									Ending:	All Sep 30, 2014 Mar 29, 2015 6 months	
Rank ESX	(i Host	Guest VM	Device Group	Device Organization	VM Guest OS	CPU % Peak	CPU % Avg	Mem % Peak	Mem % Avg	Avail % Peak	Avail % Avg
1 192.168.54.12	25	Ubun.53.210	Virtual Machines, FlexPod	SILO		100.00%	99.95%	81.99%	13.94%	100.00%	99.26%
2 192.168.54.12	26	Ubun.53.213	Virtual Machines, FlexPod			100.00%	99.93%	75.52%	16.01%		67.12%
3 192.168.54.12	26	Ubun.53.214	Virtual Machines, FlexPod	SILO		100.00%	98.63%	73.05%	16.05%	100.00%	67.12%
4 it-esxi-demo3.	sciencelogic.loca	EM7	Virtual Machines, IT vCent	HQ Data Center		52.61%	52.20%	3.92%	1.25%	100.00%	100.00%
5 Cluster1		nrobie_AIO_52.12	Virtual Machines, FlexPod	SILO	CentOS 4/5/6 (64-bit)	100.00%	34.76%	64.85%	27.23%	100.00%	94.41%
6 192.168.54.12	22	CUCM 53.245	Virtual Machines, FlexPod	SILO	Red Hat Enterprise Linux	63.36%	19.08%	39.19%	21.68%	100.00%	99.91%
7 192.168.54.12	22	Ned's AO	Virtual Machines, FlexPod	SILO		87.43%	12.88%	75.00%	2.15%	100.00%	99.87%
8 192.168.54.12	22	CUC 53.246	Virtual Machines, FlexPod	SILO	Red Hat Enterprise Linux	20.92%	8.20%	32.59%	16.51%	100.00%	99.91%
9 it-esxi-demo3.	sciencelogic.loca	UCSPE	Virtual Machines, IT vCent	HQ Data Center		11.50%	6.90%	11.39%	6.41%	100.00%	100.00%
10 it-esxi-demo3.	sciencelogic.loca	IT-Demo-VCenter01 32.90	Virtual Machines, IT vCent	HQ Data Center	Microsoft Windows Server	23.20%	4.41%	41.52%	9.65%	100.00%	100.00%
		-		Generated on 2015-04-17 07	r.58:05						

Scien	ceLogic							Ending:	All Sep 30, 2014 Mar 29, 2015 6 months		
Sphere Top Utilization  Average Availability Above 80% Sorted By Average											
ESXi Host	Guest VM	Device Group	Device Organization						Avail % Peak A		
1 it-esxi-demo3.science	elogic.locaEM7	Virtual Machines, IT vCent	HQ Data Center		52.61%	52.20%	3.92%	1.25%	100.00%	100	
2 it-esxi-demo3.science	elogic.locaUCSPE	Virtual Machines, IT vCent	HQ Data Center		11.50%	6.90%	11.39%	6.41%	100.00%	10	
	elogic.localT-Demo-VCenter01_32.90	Virtual Machines, IT vCent		Microsoft Windows Server	23.20%	4.41%	41.52%	9.65%	100.00%	10	
	elogic.locaAWS Storage Gateway	Virtual Machines, IT vCent			0.18%	0.13%	0.39%	0.00%	100.00%	10	
	elogic.locaAmazon-EC2	Virtual Machines, IT vCent		FreeBSD (32-bit)	4.66%	1.91%	78.05%	15.37%	100.00%	10	
6 192.168.54.122	CUPS_53.247	Virtual Machines, FlexPod			1.81%	1.37%	0.99%	0.00%	100.00%	9	
7 192.168.54.122	UCCX_53.248	Virtual Machines, FlexPod		Red Hat Enterprise Linux	34.94%	2.28%	51.45%	7.85%	100.00%		
8 192.168.54.122	CUC_53.246	Virtual Machines, FlexPod		Red Hat Enterprise Linux	20.92%	8.20%	32.59%	16.51%	100.00%	9	
9 192.168.54.122	CUCM_53.245	Virtual Machines, FlexPod		Red Hat Enterprise Linux	63.36%	19.08%	39.19%	21.68%	100.00%		
10 192.168.54.122	Ned's AO	Virtual Machines, FlexPod			87.43%	12.88%	75.00%	2.15%	100.00%	9	
11 192.168.54.125	Ubun.53.210	Virtual Machines, FlexPod			100.00%	99.95%	81.99%	13.94%	100.00%	Ę	
12 Cluster1	Test VM	Virtual Machines, FlexPod		Microsoft Windows Server	0.10%	0.10%	0.00%	0.00%	100.00%	9	
13 Cluster1	Win_3_Load.53.218	Virtual Machines, FlexPod		Microsoft Windows 8 (64-b)	6.01%	0.05%	45.79%	6.47%	100.00%	Ę	
14 Cluster1	Win_3_Load.53.203	Virtual Machines, FlexPod		Microsoft Windows 8 (64-b	0.03%	0.03%	73.99%	73.99%	100.00%	(	
15 192.168.54.125	Cass_4_192.168.52.28	Virtual Machines, FlexPod			20.70%	1.73%	61.99%	1.18%	100.00%	9	
16 192.168.54.125	Cass_3_192.168.52.27	Virtual Machines, FlexPod			15.75%	1.83%	19.99%	2.17%	100.00%	ξ	
17 192.168.54.125	Cass_1_192.168.52.25	Virtual Machines, FlexPod_			16.37%	1.86%	21.19%	1.89%	100.00%	٤	
18 192.168.54.125	Cass_2_192.168.52.26	Virtual Machines, FlexPod			16.30%	1.87%	18.85%	2.66%	100.00%	9	
19 192.168.54.124	Win_3_Load_53.217	Virtual Machines, FlexPod		None	38.71%	0.03%	87.45%	9.00%	100.00%	ę	
20 192.168.54.125	CU2.53.102	Virtual Machines, FlexPod			2.08%	1.74%	2.19%	0.21%	100.00%	9	
21 Cluster1	Dayns Test VM2	Virtual Machines, FlexPod_		None	6.08%	0.10%	75.00%	0.02%	100.00%		
22 192.168.54.124	Dayns Test VM	Virtual Machines, FlexPod			7.87%	0.11%	75.00%	0.05%	100.00%	9	
23 Cluster1	Dayn Test VM3	Virtual Machines, FlexPod			5.77%	0.10%	75.00%	0.05%	100.00%	(	
24 Cluster1	nrobie_AIO_52.12	Virtual Machines, FlexPod		CentOS 4/5/6 (64-bit)	100.00%	34.76%	64.85%	27.23%	100.00%	9	
				30% Sorted By Average							
ESXi Host		Device Group	Device Organization	VM Guest OS					Avail % Peak A		
1 192.168.54.125	Ubun.53.210	Virtual Machines, FlexPod_			100.00%	99.95%		13.94%	100.00%	9	
2 192.168.54.126	Ubun.53.213	Virtual Machines, FlexPod			100.00%	99.93%	75.52%	16.01%	0.00%		
3 192.168.54.126	Ubun.53.214	Virtual Machines, FlexPod_	SILO		100.00%	98.63%	73.05%	16.05%	0.00%		

The following input options are available when generating the report:

- Select ESXi Host. By default, if the Select Individual Hosts checkbox is NOT selected, the report will
  include all hosts in the report. Select the Select Individual Hosts checkbox if you want to include only
  specific hosts in the report.
- **Device Group Selector**. Select one, multiple, or all device groups to include in the report. Select the **All Device Groups** checkbox if you want to include devices from all device groups in the report.
  - Device Groups. If the All Device Groups checkbox is not selected, this field allows the user to select specific Device Groups.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date, a Duration for the report, and specify Hours Included. Select a time zone for the report.

**Report Type**. You can choose to include all devices that match the specified thresholds or you can choose to include the devices that are top users of CPU, memory, or available space.

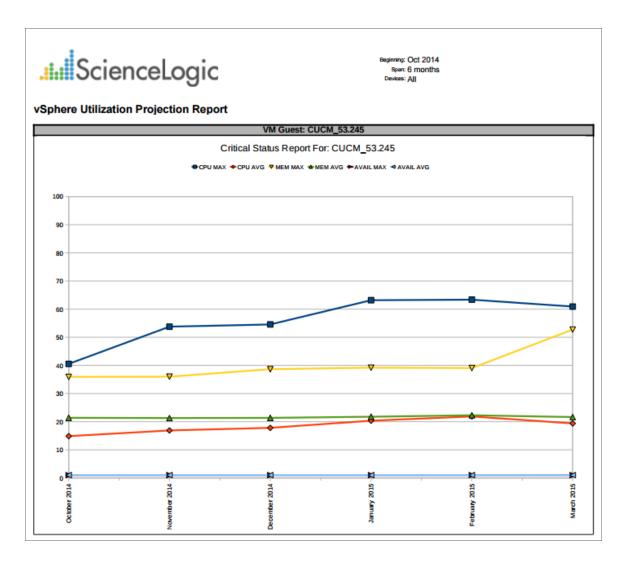
- If you select Threshold, you can then specify the values for CPU Threshold, Memory Threshold, and Availability Threshold. The values range from 0% to 95%. The report will include separate tables for CPU, Memory, and Availability and include devices that have met or exceeded the threshold.
- If you want to select a number of devices, choices range from top 10 to Top 100. Specify the top number of devices to display in the report, then select the utilization statistic (CPU, Memory, or Availability) that will be used to determine which devices will be included in the report.
- Separated By. Group devices by Organization, Device Group, and/or Cluster & ESXi Host.

This description covers the latest version of this report as shipped by ScienceLogic. This report might have been modified on your SL1 system.

## Virtualization > vSphere Utilization Projection

For each selected ESXi Host, this report displays a chart of CPU, Memory and Availability usage.

You can modify the output of the report to include charts only for specific ESXi Hosts, and group the chart by Organization, Device Group, or Cluster & ESXi Host. By default, utilization charts for all Guest VMs in the system will be displayed.



The following input options are available when generating the report:

• Select ESXi Host. By default, if the Select Individual Hosts checkbox is NOT selected, the report will include all hosts in the report. Select the Select Individual Hosts checkbox if you want to include only specific hosts in the report.

- **Device Group Selector**. Select one, multiple, or all device groups to include in the report. Select the **All Device Groups** checkbox if you want to include devices from all device groups in the report.
  - Device Groups. If the **All Device Groups** checkbox is not selected, this field allows the user to select specific Device Groups.
- **Report Span**. Specify a Daily, Weekly, or Monthly span to include in the report. Specify a Starting date and a Duration for the report. Select a time zone for the report.
- Separated By. Group devices by Organization, Device Group, and/or Cluster & ESXi Host.

This description covers the latest version of this report as shipped by ScienceLogic. This report might have been modified on your SL1 system.

# **Appendix**

В

# **Embedded Device Reports**

#### Overview

This appendix describes how to generate reports that are embedded in SL1 that include information about:

- Devices
- Device Interfaces
- System Processes
- Windows Services
- Hardware Components
- Installed Software

Use the following menu options to navigate the SL1 user interface:

- To view a pop-out list of menu options, click the menu icon (=).
- To view a page containing all the menu options, click the Advanced menu icon ( ··· ).

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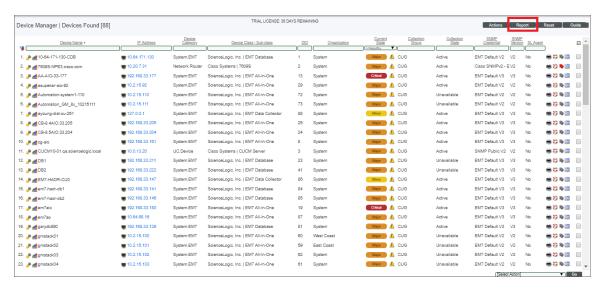
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## Generating a Report for Multiple Devices

From the **Device Manager** page (Devices > Device Manager), you can generate a report on all devices in SL1 or on multiple devices in SL1. The report will contain all the information displayed in the **Device Manager** page.

To generate a report about all or multiple devices:

1. In SL1, go to the **Device Manager** page (Devices > Device Manager):



- 2. To filter the list of devices, use the "search as you type" fields at the top of each column. You can filter the list of devices by one or more column values. Only the devices displayed in the **Device Manager** page will appear in the report.
- 3. Click the [Report] button.
- 4. When prompted, specify the output format for the report and if you want to save the report.

5. Click [Generate]. The report displays:

Device Name	IP Address	Device Category	Device Class   Sub-class	DID	Organization	State	Col Group		SNMP Credential	SNMP Ven
vol/esxboot/blanklun.lun		Storage.LUN	NetApp   LUN C-Mode		SILO	Healthy	CUG			V2
vol/esxboot/C1_B2_esxi		Storage.LUN	NetApp   LUN C-Mode		SILO	Healthy	CUG		SNMP Public V2	V2
vol/esxboot/C1_B3_esxi		Storage.LUN	NetApp   LUN C-Mode		SILO	Healthy	CUG			V2
vol/esxboot/C2_B5_esxi		Storage.LUN	NetApp   LUN C-Mode		SILO	Healthy	CUG		SNMP Public V2	V2
vol/esxboot/C2_B6_esxi			NetApp   LUN C-Mode		SILO	Healthy	CUG			V2
vol/esxboot/C2_B7_esxi			NetApp   LUN C-Mode		SILO	Healthy	CUG			V2
vol/esxboot/CS_S1_esxi		Storage.LUN	NetApp   LUN C-Mode	12973	SILO	Healthy	CUG		SNMP Public V2	V2
vol/esxi_shared_ds/Shared_DS		Storage.LUN	NetApp   LUN C-Mode	12962	SILO	Healthy	CUG	Unavailable	SNMP Public V2	V2
vol/esxi_shared_ds/Shared_DS_clone_	040314_163750		NetApp   LUN C-Mode		SILO	Healthy	CUG		SNMP Public V2	V2
vol/esxi_shared_ds/VDP_Lun			NetApp   LUN C-Mode	12958	SILO	Healthy	CUG			V2
vol/esxi_shared_isci_vol/esxi_shared_is	ci	Storage.LUN	NetApp   LUN C-Mode	12961	SILO	Healthy	CUG	Unavailable	SNMP Public V2	V2
vol/HA_SAN/ha_san.lun		Storage.LUN	NetApp   LUN C-Mode	12978	SILO	Healthy	CUG	Unavailable	SNMP Public V2	V2
vol/inf_shared_2_ds_vol/inf_shared_2_d	s	Storage.LUN	NetApp   LUN C-Mode	12965	SILO	Healthy	CUG	Unavailable	SNMP Public V2	V2
vol/iscsi1/iscsi1.lun			NetApp   LUN C-Mode	12957	SILO	Healthy	CUG		SNMP Public V2	V2
vol/netapp em7/netapp em7.lun		Storage.LUN	NetApp   LUN C-Mode	12964	SILO	Healthy	CUG	Unavailable	SNMP Public V2	V2
vol/New Shared DS vol/New Shared	DS		NetApp   LUN C-Mode	12974	SILO	Healthy	CUG	Unavailable		V2
vol/vol0/lun0		Storage.LUN	NetApp   LUN	14073	CloudHosting	Healthy	CUG	Active	SNMP Public V2	V2
vol/vol0/lun1		Storage.LUN	NetApp   LUN	14072	CloudHosting	Healthy	CUG	Active	SNMP Public V2	V2
vol/vol1/lun0		Storage.LUN	NetApp   LUN	14070	CloudHosting	Healthy	CUG	Active	SNMP Public V2	V2
vol/vol1/lun1		Storage.LUN	NetApp   LUN	14068	CloudHosting	Healthy	CUG	Active	SNMP Public V2	V2
vol/vol1/lun2			NetApp   LUN	14071	CloudHosting	Healthy	CUG	Active	SNMP Public V2	V2
vol/vol1/lun4		Storage.LUN	NetApp   LUN	14069	CloudHosting	Healthy	CUG	Active	SNMP Public V2	V2
vol/vol2/lun0			NetApp   LUN	14075	CloudHosting	Healthy	CUG	Active	SNMP Public V2	V2
vol/vol2/lun1			NetApp   LUN	14074	CloudHosting	Healthy	CUG	Active	SNMP Public V2	V2
10.0.13.20-CTIManager		UC.Service	Cisco Systems   CTI Manager Service	14509	HQ Data Center	Healthy	CUG	Active	SNMP Public V2	V2
10.0.13.20-Extension Mobility		UC.Service	Cisco Systems   Extension Mobility Service		HQ Data Center	Healthy	CUG	Active	SNMP Public V2	V2
10.0.13.20-Tftp		UC.Service	Cisco Systems   TFTP Service		HQ Data Center	Healthy	CUG	Active	SNMP Public V2	V2
10.0.13.20-Tomcat		UC.Service	Cisco Systems   Tomcat	14511	HQ Data Center	Healthy	CUG	Active	SNMP Public V2	V2
10.0.13.20-WebDialer Web Service		UC.Service	Cisco Systems   Cisco WebDialer Service	14508	HQ Data Center	Healthy	CUG	Active		V2
10.0.13.21-CTIManager		UC.Service	Cisco Systems I CTI Manager Service	14519	HQ Data Center	Healthy	CUG	Active	SNMP Public V2	V2
10.0.13.21-Extension Mobility		UC.Service	Cisco Systems   Extension Mobility Service	14522	HQ Data Center	Healthy	CUG	Active		V2
10.0.13.21-Tftp		UC.Service	Cisco Systems   TFTP Service		HQ Data Center	Major	CUG	Active	SNMP Public V2	V2
10.0.13.21-Tomcat		UC.Service	Cisco Systems I Tomcat		HQ Data Center	Healthy	CUG	Active	SNMP Public V2	V2
10.0.13.21-WebDialer Web Service		UC.Service	Cisco Systems   Cisco WebDialer Service		HQ Data Center	Healthy	CUG	Active		V2
10.0.13.22-CTIManager		UC.Service	Cisco Systems   CTI Manager Service	14526	HQ Data Center	Healthy	CUG	Active	SNMP Public V2	V2
10.0.13.22-Extension Mobility		UC.Service	Cisco Systems   Extension Mobility Service		HQ Data Center	Healthy	CUG			V2
10.0.13.22-Extension Mobility		UC.Service	Cisco Systems   TFTP Service		HQ Data Center	Major	CUG	Active		V2
10.0.13.22-Tomcat		UC Service	Cisco Systems I Tomcat	14528	HQ Data Center	Healthy	CUG	Active	SNMP Public V2	V2
10.0.13.22-Yorkolt 10.0.13.22-WebDialer Web Service		UC.Service	Cisco Systems   Cisco WebDialer Service	14527	HQ Data Center	Healthy	CUG	Active	SNMP Public V2	V2
10.168.37.35			Cisco Systems   H323 Trunk		Enterprise Video	Healthy	CUG		SNMP Public V2	V2
192.168.40.196	192.168.40.196	Pingable	Linux LICMP	12612	HQ Data Center	Healthy	CUG	Active	SIAML LADIC AS	VZ
192.168.53.245-CTIManager	192.100.40.190	UC.Service	Cisco Systems   CTI Manager Service		HQ Data Center	Healthy	CUG		SNMP Public V2	V2
192.168.53.245-C HManager 192.168.53.245-Extension Mobility		UC.Service	Cisco Systems   C11 Manager Service Cisco Systems   Extension Mobility Service	143/8	HQ Data Center HQ Data Center	Healthy	CUG	Unavailable	SNMP Public V2 SNMP Public V2	V2 V2
		UC.Service		14379	HQ Data Center HQ Data Center	Healthy	CUG	Unavailable	SNMP Public V2	V2 V2
192.168.53.245-Tftp 192.168.53.245-Tomcat		UC.Service UC.Service	Cisco Systems   TFTP Service Cisco Systems   Tomcat	143/9	HQ Data Center HQ Data Center	Healthy	CUG		SNMP Public V2 SNMP Public V2	V2 V2
192.168.53.245-1 omcat 192.168.53.245-WebDialer Web Service		UC.Service	Cisco Systems   Tomcat Cisco Systems   Cisco WebDialer Service		HQ Data Center HQ Data Center		CUG			
		Service Servers.VMware		14380	HQ Data Center SILO	Healthy		Unavailable	DIVIMP PUBLIC V2	V2
192.168.54.120 192.168.54.121		Servers VMware	VMware   Host Server VMware   Host Server		SILO		CUG	Unavailable	-	-
		Servers.VMware Servers.VMware			SILO	Healthy		Unavailable	-	-
192.168.54.122			VMware   Host Server				CUG		-	-
192.168.54.123		Servers.VMware	VMware Host Server		SILO	Healthy	CUG	Unavailable	-	-
192.168.54.124		Servers.VMware	VMware   Host Server		SILO	Healthy	CUG	Unavailable	-	-
192.168.54.125			VMware   Host Server		SILO	Healthy	CUG	Unavailable		-
192.168.54.126		Servers.VMware	VMware   Host Server		SILO	Healthy	CUG	Unavailable	F	-
20_Po13_Flexpod - Nexus_a		OEM	Cisco Systems   Nexus vPC		SILO	Healthy	CUG		Cisco SNMPv2 - Ex	
20_Po13_Flexpod - Nexus_b		OEM	Cisco Systems   Nexus vPC	14558	SILO	Healthy	CUG	Unavailable	SNMP Public V2	V2

### Generating a Report for a Single Device

On the **Device Investigator** page for a specific device, you can generate a detailed report on that device. You can specify the information to include in the report and the format that SL1 will use to generate the report, including HTML, PDF, XLS, and more.

- 1. On the **Device Investigator** page, click the **[Report]** button in the top navigation bar. The **Device Report** modal page appears.
- 2. In the *Type* drop-down, select the type of report you want to generate. Your options include:
  - [Full Report]. Includes information about device status, status of all device policies, status of all monitors, status of hardware components, status of all thresholds defined for the device, a list of all active events associated with the device, and information about the last collection time and last entry to the device log.
  - [Status]. Includes information about device status, status of all monitors, status of hardware components, status of all thresholds defined for the device, and information about the last collection time and last entry to the device log.
  - [Config]. Includes status of all monitors, status of all thresholds defined for the device, and information about the last collection time and last entry to the device log.
  - [Contacts]. Includes contact information for the device's organization and contact information for all vendors and warranty or support accounts.
  - [Hardware]. Includes overview of hardware components for the device.

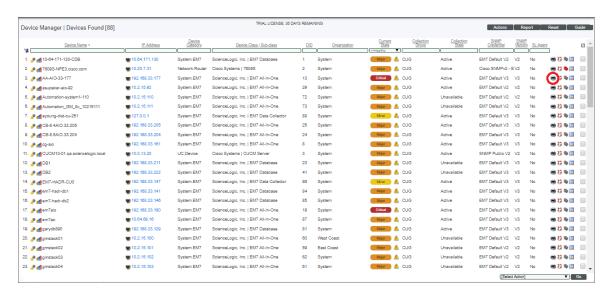
- [Notes]. Includes all notes created in the Notepad Editor page.
- [Software]. Displays a list of software installed on the device.
- [Processes]. Displays a list of all processes running on the device.
- [Network]. Includes information about network ports and network configuration.
- [Events]. Includes a list of all active events associated with the device.
- [Health]. Includes information about device status, status of all monitors, status of all Dynamic Applications associated with the device, status of all thresholds defined for the device, and a list of all active events associated with the device.
- 3. In the *Format* drop-down, select the format for the report. Your options include:
  - HTML. Create the report as an HTML document.
  - PDF. Create the report as a PDF document.
  - DOC. Create the report as a Microsoft Word document.
  - XLS. Create the report as Microsoft Excel spreadsheet.
  - CSV. Create the report using comma-separated values.
- 4. Click [Create Report] to generate the report.

# Generating a Report for a Single Device in the Classic SL1 User Interface

From the **Device Investigator** page of the SL1 user interface or the **Device Manager** page (Devices > Device Manager), you can generate a detailed report on a single device. You can specify the information to include in the report and the format in which the report will be generated, such as PDF, HTML, XLSX, ODS, or CSV.

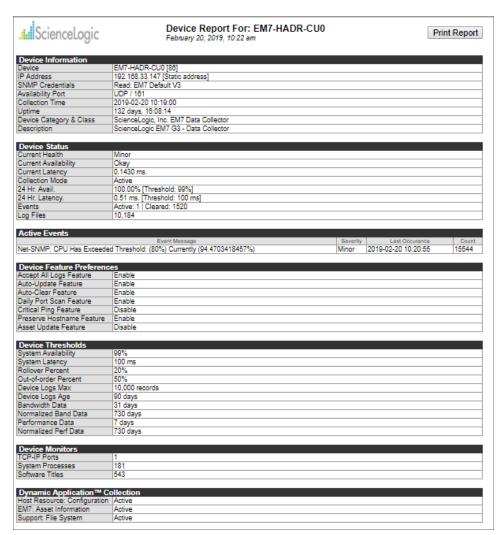
To generate a detailed report on a single device:

1. In SL1, go to the **Devices** page ( ) or the **Device Manager** page (Devices > Device Manager).



- If you are on the **Devices** page, click the device name to open the **Device Investigator** page for that device. Click the **[Reports]** button. The **Device Report** modal page appears.
- If you are on the **Device Manager** page, select the printer icon () for the device for which you want to generate a detailed report. The **Report Creator** modal page appears.
- 2. On the modal page, select one of the following to specify the information to include in the device report:
  - [Full Report]. Includes information about device status, status of all device policies, status of all monitors, status of hardware components, status of all thresholds defined for the device, a list of all active events associated with the device, and information about the last collection time and last entry to the device log.
  - [Status]. Includes information about device status, status of all monitors, status of hardware components, status of all thresholds defined for the device, and information about the last collection time and last entry to the device log.
  - [Config]. Includes status of all monitors, status of all thresholds defined for the device, and information about the last collection time and last entry to the device log.
  - [Contacts]. Includes contact information for the device's organization and contact information for all vendors and warranty or support accounts.
  - [Hardware]. Includes overview of hardware components for the device.
  - [Notes]. Includes all notes created in the Notepad Editor page.
  - [Software]. Displays a list of software installed on the device.
  - [Processes]. Displays a list of all processes running on the device.
  - [Network]. Includes information about network ports and network configuration.
  - [Events]. Includes a list of all active events associated with the device.

- [Health]. Includes information about device status, status of all monitors, status of all Dynamic Applications associated with the device, status of all thresholds defined for the device, and a list of all active events associated with the device.
- 3. Select from the following list of formats in which the report can be generated:
  - HTML. Create the report as an HTML document.
  - PDF. Create the report as a PDF document.
  - DOC. Create the report as a Microsoft Word document.
  - XLS. Create the report as Microsoft Excel spreadsheet.
  - CSV. Create the report using comma-separated values.
- 4. Click [Create Report]. The report displays in the format you selected:



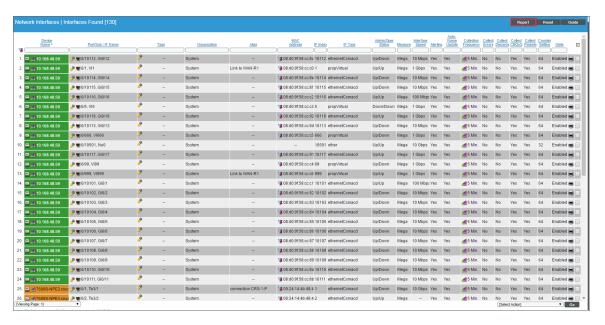
# Generating a Report for Multiple Interfaces

On the **Network Interfaces** page (Registry > Networks > Interfaces) you can generate a report on all, multiple, or a single interface in SL1. The report will contain all the information displayed in the **Network Interfaces** page.

Device Name	Port/Sub   IF Name	Alias	MAC Address	IF Index		IF Status	Measure	Speed	Alerting	Name Update	Collect Rate	Errors	Discards	Counter	Sta
. 10.168.48.59	0/10112, Gi0/12		08:d0:9f:58:cc:8c	10112	ethernetCsmacd	/	Mega	10 Mbps	Yes		5 Min.			64 bits	Enable
. 10.168.48.59	0/1, VI1	Link to WAN-R1	08:d0:9f:58:cc:c0	1	propVirtual	/	Mega	1 Gbps	Yes	Yes	5 Min.	No	No	64 bits	Enable
. 10.168.48.59	0/10114, Gi0/14		08:d0:9f:58:cc:8e	10114	ethernetCsmacd	/	Mega	10 Mbps	Yes	Yes	5 Min.	No	No	64 bits	Enab
. 10.168.48.59	0/10115, Gi0/15		08:d0:9f:58:cc:8f	10115	ethernetCsmacd	/	Mega	10 Mbps	Yes	Yes	5 Min.	No	No	64 bits	Enab
. 10.168.48.59	0/10116, Gi0/16		08:d0:9f:58:cc:c2	10116	ethernetCsmacd	/	Mega	100 Mbps	Yes	Yes	5 Min.	No	No	64 bits	Enab
. 10.168.48.59	0/5. VI5		08:d0:9f:58:cc:c3	5	propVirtual	/	Mega	1 Gbps	Yes	Yes	5 Min.	No	No	64 bits	Enab
. 10.168.48.59	0/10118, Gi0/18		08:d0:9f:58:cc:92	10118	ethernetCsmacd	·	Mega	1 Gbps			5 Min.			64 bits	Enab
10.168.48.59	0/10113, Gi0/13			10113	ethernetCsmacd	·	Mega	10 Mbps	Yes		5 Min.	No	No	64 bits	Enab
10.168.48.59	0/666, VI666		08:d0:9f:58:cc:c5	666	propVirtual	·	Mega	1 Gbps	Yes	Yes	5 Min.	No	No	64 bits	Enab
. 10.168.48.59	0/10501, Nu0		00100101100100100	10501	other	<del>,                                    </del>	Mega	10 Gbps	Yes		5 Min.			32 bits	Enal
. 10.168.48.59	0/10117, Gi0/17		08:d0:9f:58:cc:91	10117	ethernetCsmacd	<del></del>	Mega	1 Gbps			5 Min.			64 bits	Enab
. 10.168.48.59	0/99. VI99			99	propVirtual	<del>,                                    </del>	Mega	1 Gbps	Yes		5 Min.			64 bits	Enab
. 10.168.48.59	0/999, VI999			999	propVirtual	<del></del>	Mega	1 Gbps			5 Min.			64 bits	Enab
. 10.168.48.59	0/10101, Gi0/1		08:d0:9f:58:cc:c1	10101	ethernetCsmacd	<del></del>	Mega	100 Mbps	Yes		5 Min.			64 bits	Enab
10.168.48.59	0/10102, Gi0/2		08:d0:9f:58:cc:82	10102	ethernetCsmacd	·	Mega	10 Mbps	Yes		5 Min.			64 bits	Enal
. 10.168.48.59	0/10102, Gi0/2		08:d0:9f:58:cc:83	10102	ethernetCsmacd	,	Mega	10 Mbps			5 Min.			64 bits	Enal
. 10.168.48.59	0/10103, Gi0/3		08:d0:9f:58:cc:84	10103	ethernetCsmacd	,	Mega	10 Mbps			5 Min.			64 bits	Enal
. 10.168.48.59	0/10104, Gi0/4 0/10105, Gi0/5		08:d0:9f:58:cc:85	10104	ethernetCsmacd	,	Mega	10 Mbps	Yes		5 Min.			64 bits	Enal
. 10.168.48.59	0/10105, Gi0/5		08:d0:9f:58:cc:86	10105	ethernetCsmacd	,	Mega	10 Mbps	Yes		5 Min.			64 bits	Ena
10.168.48.59	0/10106, Gi0/6 0/10107, Gi0/7		08:d0:9f:58:cc:86	10106	ethernetCsmacd ethernetCsmacd	,		10 Mbps	Yes		5 Min. 5 Min.			64 bits	Ena
10.168.48.59	0/10107, Gi0/7 0/10108, Gi0/8		08:d0:9f:58:cc:88	10107	ethernetCsmacd ethernetCsmacd	,	Mega	10 Mbps			5 Min. 5 Min.			64 bits	Ena
				10108		<u>/</u>	Mega								
10.168.48.59	0/10109, Gi0/9		08:d0:9f:58:cc:89	10109	ethernetCsmacd	<u>/</u>	Mega	10 Mbps	Yes		5 Min. 5 Min.			64 bits 64 bits	Ena
10.168.48.59	0/10110, Gi0/10		08:d0:9f:58:cc:8a		ethernetCsmacd	<u>/</u>	Mega	10 Mbps							
10.168.48.59	0/10111, Gi0/11		08:d0:9f:58:cc:8b	10111	ethernetCsmacd	Υ	Mega	10 Mbps			5 Min.			64 bits	Ena
7609S-NPE3.cisco		connection CRS-1-P		1	ethernetCsmacd	γ	Mega	10 Gbps			5 Min.			64 bits	Ena
. 7609S-NPE3.cisco			00:24:14:4b:48:40		ethernetCsmacd	γ	Mega		Yes		5 Min.			64 bits	Ena
7609S-NPE3.cisco			00:24:14:4b:48:40		ethernetCsmacd	<u>/</u>	Mega	10 Gbps			5 Min.			64 bits	Ena
7609S-NPE3.cisco		Connection to IXIA SI			ethernetCsmacd	<u>/</u>	Mega	10 Gbps			5 Min.			64 bits	Ena
7609S-NPE3.cisco			00:24:14:4b:48:40		ethernetCsmacd	Y	Mega	1 Gbps	Yes		5 Min.			64 bits	Ena
7609S-NPE3.cisco			00:24:14:4b:48:40		ethernetCsmacd	Y	Mega	1 Gbps	Yes		5 Min.			64 bits	Ena
7609S-NPE3.cisco		connection to CE-282			ethernetCsmacd	V	Mega	1 Gbps	Yes		5 Min.			64 bits	Ena
7609S-NPE3.cisco			00:24:14:4b:48:40		ethernetCsmacd	7	Mega	1 Gbps	Yes		5 Min.			64 bits	Ena
7609S-NPE3.cisco			00:24:14:4b:48:40		ethernetCsmacd	7	Mega	1 Gbps	Yes		5 Min.			64 bits	Ena
7609S-NPE3.cisco		"Connection to 2951	00:24:14:4b:48:40	10	ethernetCsmacd	7	Mega	1 Gbps	Yes		5 Min.			64 bits	Ena
7609S-NPE3.cisco			00:24:14:4b:48:40		ethernetCsmacd	7	Mega	1 Gbps	Yes		5 Min.			64 bits	Ena
7609S-NPE3.cisco			00:24:14:4b:48:40		ethernetCsmacd	/	Mega	1 Gbps	Yes		5 Min.			64 bits	Ena
7609S-NPE3.cisco			00:24:14:4b:48:40		ethernetCsmacd	/	Mega	1 Gbps	Yes		5 Min.			64 bits	Ena
7609S-NPE3.cisco	o.0/14, Gi4/10		00:24:14:4b:48:40	14	ethernetCsmacd	/	Mega	1 Gbps	Yes	Yes	5 Min.	No	No	64 bits	Ena
7609S-NPE3.cisco	o.0/15, Gi4/11	connected to ASA555	00:24:14:4b:48:40	15	ethernetCsmacd	/	Mega	1 Gbps	Yes	Yes	5 Min.	No	No	64 bits	Ena
7609S-NPE3.cisco	o.0/16, Gi4/12		00:24:14:4b:48:40	16	ethernetCsmacd	/	Mega	1 Gbps	Yes	Yes	5 Min.	No	No	64 bits	Ena
7609S-NPE3.cisco	o.0/17, Gi4/13		00:24:14:4b:48:40	17	ethernetCsmacd	/	Mega	1 Gbps	Yes	Yes	5 Min.	No	No	64 bits	Ena
7609S-NPE3.cisco	o.0/18. Gi4/14		00:24:14:4b:48:40	18	ethernetCsmacd	/	Mega	1 Gbps	Yes	Yes	5 Min.	No	No	64 bits	Ena
7609S-NPE3.cisco			00:24:14:4b:48:40		ethernetCsmacd	·	Mega	1 Gbps	Yes		5 Min.			64 bits	Ena
7609S-NPE3.cisco	n 0/20 Gi4/16		00:24:14:4b:48:40	20	ethernetCsmacd	·	Mega	1 Gbps	Yes		5 Min.	No	No	64 bits	Ena
7609S-NPE3.cisci			00:24:14:4b:48:40		ethernetCsmacd	<del></del>	Mega	1 Gbps	Yes		5 Min.			64 bits	Ena
7609S-NPE3.cisci			00:24:14:4b:48:40		ethernetCsmacd	l .	Mega	1 Gbps	Yes		5 Min.			64 bits	Ena
7609S-NPE3.cisci			00:24:14:4b:48:40		ethernetCsmacd	<del></del>	Mega	1 Gbps	Yes		5 Min.			64 bits	Ena
7609S-NPE3.cisci			00:24:14:4b:48:40		ethernetCsmacd	l-	Mega	1 Gbps			5 Min.			64 bits	Ena
7609S-NPE3.cisci			00:24:14:4b:48:40		ethernetCsmacd	l	Mega	1 Gbps			5 Min.			64 bits	Ena
7609S-NPE3.cisco			00:24:14:4b:48:40		ethernetCsmacd	ř	Mega	1 Gbps	Yes		5 Min.			64 bits	Ena
7609S-NPE3.cisci			00:24:14:4b:48:40 00:24:14:4b:48:40		ethernetCsmacd ethernetCsmacd	,					5 Min. 5 Min.			64 bits	Ena
						<u>,                                      </u>	Mega	1 Gbps	Yes						
7609S-NPE3.cisco	o. 0/28, Gi4/24 o. 0/29, Gi4/25	1	00:24:14:4b:48:40 00:24:14:4b:48:40	28	ethernetCsmacd	V	Mega	1 Gbps	Yes	Yes	5 Min.	No	No No	64 bits	Ena

To view a report on all or multiple discovered interfaces:

1. Go to the **Network Interfaces** page (Registry > Networks > Interfaces).



NOTE: If you want to include only certain interfaces in the report, use the "search as you type" fields at the top of each column. You can filter the list by one or more column headings. You can then click the [Report] button, and only the interfaces displayed in the Network Interfaces page will appear in the report.

2. Click the [Report] button. The Export current view as a report modal page appears:

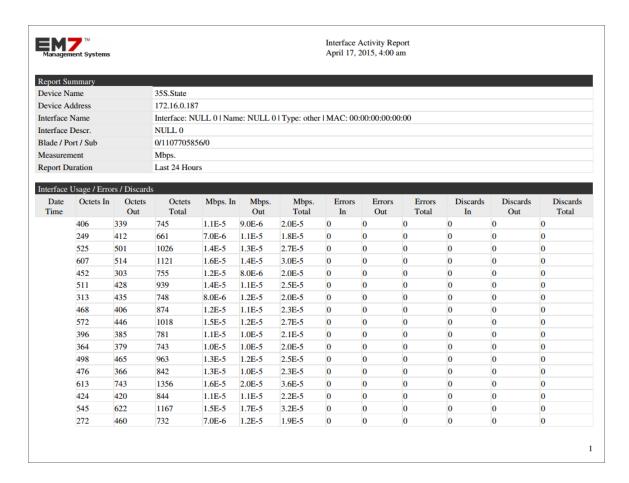


- 3. Select the format in which SL1 will generate the report. Your choices are:
  - Acrobat document (.pdf)
  - Web page (.html)
  - Excel spreadsheet (.xlsx)
  - OpenDocument Spreadsheet (.ods)
  - Comma-separated values (.csv)

4. Click the [Generate] button. The report will contain all the information displayed in the Network Interfaces page. You can immediately view the report or save it to a file for later viewing.

## Generating a Report for a Single Interface

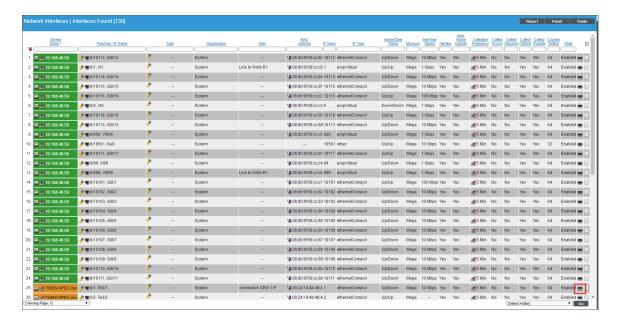
From the **Network Interfaces** page, you can generate a text-based, bandwidth-usage report for a single interface. You can choose to generate a report on outbound traffic, inbound traffic, all traffic, errors, discards, or all.



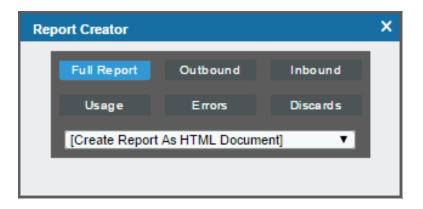
To generate the report:

1. Go to **Network Interfaces** (Registry > Networks > Interfaces).

2. In the **Network Interfaces** page, find the interface for which you want to generate a bandwidth report. Click its printer icon (10).



3. The **Report Creator** modal page is displayed.



- 4. Select from the following list of formats to select a format in which to generate the report:
  - Create Report as HTML Document
  - Create Report as PDF Document
  - Create Report as MS Word Document
  - Create Report as MS Excel Document
  - CSV Comma Separated Values

- 5. Select one of the following buttons to specify the information to include in the device report:
  - [Full Report]. Include all information about outbound data through the interface, inbound data through the interface, combined bandwidth through the interface, errors on the interface, and discards on the interface.
  - [Outbound]. Include all information about outbound data through the interface.
  - [Inbound]. Include all information about inbound data through the interface.
  - [Usage]. Include all information about inbound data and outbound data through the interface.
  - [Errors]. Include all information about errors on the interface.
  - [Discards]. Include all information about discards on the interface.
- 6. SL1 will generate the report. You can immediately view the report or save it to your local computer.

## Generating a Report for Multiple Processes

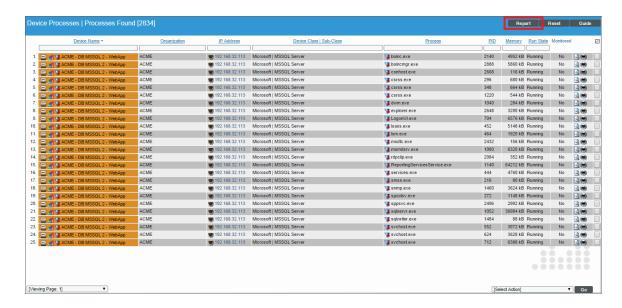
From the **Device Processes** page (Devices > Processes) you can generate a report on all, multiple, or a single process in SL1.

The report will contain all the columns displayed in the **Device Processes** page.

Device Name	Organization	IP Address	Device Class   Sub-Class	Process	PID	Memory	Run State	Monitor
. ACME - DB MSSQL 2 - We	ACME	192,168,32,113	Microsoft I MSSQL Server	boinc.exe	2140	4952 kB	Running	No
. ACME - DB MSSQL 2 - We	ACME	192,168,32,113	Microsoft   MSSQL Server	boincmar.exe	2888	5860 kB	Running	No
ACME - DB MSSQL 2 - We	ACME	192,168,32,113	Microsoft I MSSQL Server	conhost.exe	2668	116 kB	Running	No
ACME - DB MSSQL 2 - We	ACME	192.168.32.113	Microsoft   MSSQL Server	csrss.exe	296		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	csrss.exe	348		Running	No
ACME - DB MSSQL 2 - We		192,168,32,113	Microsoft I MSSQL Server	csrss.exe	1220		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft I MSSQL Server	dwm.exe	1040		Running	No
ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	explorer.exe	2648		Running	No
ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	LogonUI.exe	704		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft I MSSQL Server	Isass.exe	452		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	Isass.exe	464		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	msdtc.exe	2432		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	msmdsrv.exe	1080		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	rdpdlip.exe	2084		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	ReportingServicesService.exe	1140		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	services.exe	444		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	smss.exe	216		Running	No
. ACME - DB MSSQL 2 - We	ACME	192.168.32.113	Microsoft   MSSQL Server	snmp.exe	1460		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	spoolsv.exe	272		Running	No
. ACME - DB MSSQL 2 - We	ACME	192.168.32.113	Microsoft   MSSQL Server	sppsvc.exe	2496	2992 kB	Running	No
. ACME - DB MSSQL 2 - We	ACME	192.168.32.113	Microsoft   MSSQL Server	sqlservr.exe	1052	36984 kB	Running	No
. ACME - DB MSSQL 2 - We	ACME	192.168.32.113	Microsoft   MSSQL Server	sqlwriter.exe	1484	88 kB	Running	No
. ACME - DB MSSQL 2 - We	ACME	192.168.32.113	Microsoft   MSSQL Server	svchost.exe	552	3072 kB	Running	No
. ACME - DB MSSQL 2 - We	ACME	192.168.32.113	Microsoft   MSSQL Server	sychost.exe	624		Running	No
. ACME - DB MSSQL 2 - We		192,168,32,113	Microsoft I MSSQL Server	sychost.exe	712		Running	No
ACME - DB MSSQL 2 - We		192,168,32,113	Microsoft   MSSQL Server	sychost.exe	764		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	svchost.exe	804		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft I MSSQL Server	sychost.exe	844		Running	No
ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft I MSSQL Server	svchost.exe	884		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	sychost.exe	980		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	sychost.exe	1108		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	svchost.exe	1832		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	svchost.exe	1864		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft I MSSQL Server	sychost.exe	2248		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft I MSSQL Server		2240		Running	No
				System	4			
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	System Idle Process	1 0704		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	taskhost.exe	2704		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	wininit.exe	356		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	winlogon.exe	384		Running	No
. ACME - DB MSSQL 2 - We		192.168.32.113	Microsoft   MSSQL Server	winlogon.exe	1664		Running	No
. ACME - DB-MSSQL - Web		192.168.32.112	Microsoft   Windows Server 2008		296		Running	No
. ACME - DB-MSSQL - Web		192.168.32.112	Microsoft   Windows Server 2008		348		Running	No
. ACME - DB-MSSQL - Web		192.168.32.112	Microsoft   Windows Server 2008		1676		Running	No
. ACME - DB-MSSQL - Web		192.168.32.112	Microsoft   Windows Server 2008		2272		Running	No
. ACME - DB-MSSQL - Web		192.168.32.112	Microsoft   Windows Server 2008		2340		Running	No
. ACME - DB-MSSQL - Web		192.168.32.112	Microsoft   Windows Server 2008		704		Running	No
. ACME - DB-MSSQL - Web		192.168.32.112	Microsoft   Windows Server 2008	R2 Isass.exe	452		Running	No
. ACME - DB-MSSQL - Web		192.168.32.112	Microsoft   Windows Server 2008		460		Running	No
. ACME - DB-MSSQL - Web	ACME	192.168.32.112	Microsoft   Windows Server 2008	R2 msdtc.exe	1276	1516 kB	Running	No
. ACME - DB-MSSQL - Web		192.168.32.112	Microsoft   Windows Server 2008	R2 msmdsrv.exe	1128		Running	No
. ACME - DB-MSSQL - Web	ACME	192.168.32.112	Microsoft   Windows Server 2008	R2 Oobe.exe	2472	17408 kB	Running	No
. ACME - DB-MSSQL - Web		192.168.32.112	Microsoft   Windows Server 2008	R2 rdpclip.exe	536		Running	No
. ACME - DB-MSSQL - Web		192.168.32.112	Microsoft   Windows Server 2008		444		Running	No
. ACME - DB-MSSQL - Web		192.168.32.112	Microsoft   Windows Server 2008		216		Running	No
. ACME - DB-MSSQL - Web		192,168,32,112	Microsoft   Windows Server 2008		1408		Running	No

To generate a report on all or multiple device processes in SL1:

- 1. Go to the **Device Processes** page (Devices > Processes).
- 2. In the **Device Processes** page, select the **[Report]** button.



NOTE: If you want to include only certain processes in the report, use the "search as you type" fields at the top of each column. You can filter the list by one or more column headings. You can then select the [Report] button, and only the processes displayed in the Device Processes page will appear in the report.

3. The **Export current view as a report** modal appears.

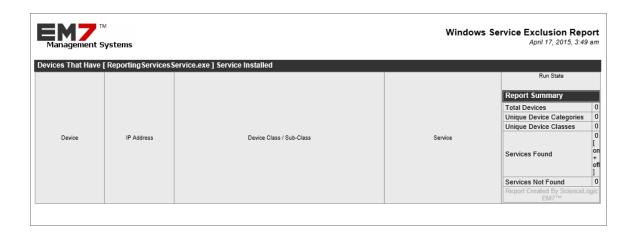


- 4. In the **Export current view as a report** modal, you must select the format in which SL1 will generate the report. Your choices are:
  - Comma-separated values (.csv)
  - Web page (.html)
  - OpenDocument Spreadsheet (.ods)
  - Excel spreadsheet (.xlsx)
  - Acrobat document (.pdf)

5. Click [Generate]. The report will contain all the information displayed in the **Device Processes** page. You can immediately view the report or save it to a file for later viewing.

#### Generating an Exclusion Report for a Process

From the **Device Processes** page (Devices > Processes), you can generate an exclusion report for a process. SL1 will generate the report in MS Word format. An exclusion report specifies all devices where the selected process is running and all devices where the selected process is not running. SL1 lists only appropriate servers in this report. For example, Linux servers would not appear in a report for Windows-based processes.

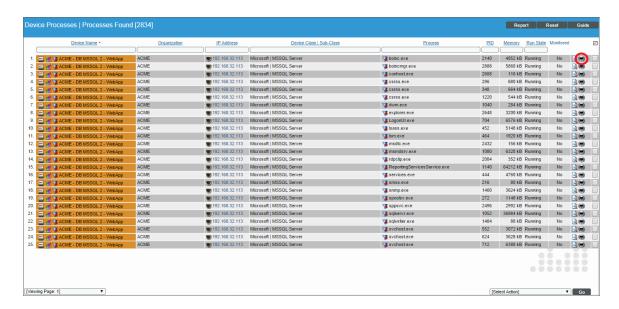


A Process Exclusion Report displays the following:

- Name of the process.
- List of all devices in SL1 where the process is running.
- List of all devices in SL1 where the process is not running. SL1 includes only appropriate servers in this report. For example, Solaris servers would not appear in a report for a Windows 2000 patch.
- The last row in the report displays:
  - Total number of devices in report.
  - o Total number of device categories included in the report.
  - o Total number of device classes included in the report.
  - o Total number of devices where process is running
  - Total number of devices where process is not running.

To generate an exclusion report about a process:

1. Go to the **Device Processes** page (Devices > Processes).



- 2. In the **Device Processes** page, find an instance of the process you want to generate an exclusion report for. Select its printer icon (•).
- 3. You will be prompted to save or view the generated report.

# Generating a Report for Multiple Windows Services

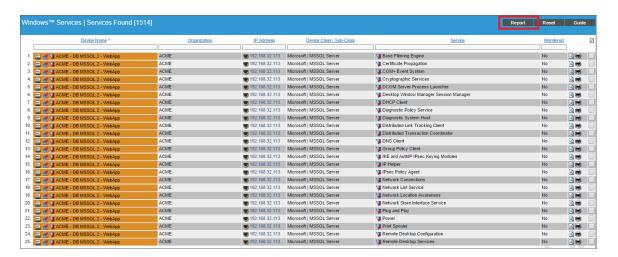
From the **Windows Services** page (Devices > Services) you can generate a report on all, multiple, or a single service in SL1. The **Windows Services** page allows you to generate a report that contains all the information displayed in the **Windows Services** page.

Device Name	Organization	IP Address	Device Class   Sub-Class	Service	Monitor
). ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	Base Filtering Engine	No
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	Certificate Propagation	No
2. ACME - DB MSSQL 2 - W	ACME	192.168.32.113	Microsoft   MSSQL Server	COM+ Event System	No
B. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	Cryptographic Services	No
. ACME - DB MSSQL 2 - W	ACME	192.168.32.113	Microsoft   MSSQL Server	DCOM Server Process Launcher	No
5. ACME - DB MSSQL 2 - W	ACME	192.168.32.113	Microsoft   MSSQL Server	Desktop Window Manager Session Man	No
B. ACME - DB MSSQL 2 - W	ACME	192.168.32.113	Microsoft   MSSQL Server	DHCP Client	No
7. ACME - DB MSSQL 2 - W	ACME	192.168.32.113	Microsoft   MSSQL Server	Diagnostic Policy Service	No
<ol> <li>ACME - DB MSSQL 2 - W</li> </ol>	ACME	192.168.32.113	Microsoft   MSSQL Server	Diagnostic System Host	No
<ul> <li>ACME - DB MSSQL 2 - W</li> </ul>	ACME	192.168.32.113	Microsoft   MSSQL Server	Distributed Link Tracking Client	No
<ol> <li>ACME - DB MSSQL 2 - W</li> </ol>	ACME	192.168.32.113	Microsoft   MSSQL Server	Distributed Transaction Coordinator	No
. ACME - DB MSSQL 2 - W	ACME	192.168.32.113	Microsoft   MSSQL Server	DNS Client	No
. ACME - DB MSSQL 2 - W	ACME	192.168.32.113	Microsoft   MSSQL Server	Group Policy Client	No
<ol> <li>ACME - DB MSSQL 2 - W</li> </ol>	ACME	192.168.32.113	Microsoft   MSSQL Server	IKE and AuthIP IPsec Keying Modules	No
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	IP Helper	No
<ol><li>ACME - DB MSSQL 2 - W</li></ol>		192.168.32.113	Microsoft   MSSQL Server	IPsec Policy Agent	No
<ol><li>ACME - DB MSSQL 2 - W</li></ol>		192.168.32.113	Microsoft   MSSQL Server	Network Connections	No
<ul> <li>ACME - DB MSSQL 2 - W</li> </ul>		192.168.32.113	Microsoft   MSSQL Server	Network List Service	No
<ol> <li>ACME - DB MSSQL 2 - W</li> </ol>		192.168.32.113	Microsoft   MSSQL Server	Network Location Awareness	No
<ul> <li>ACME - DB MSSQL 2 - W</li> </ul>		192.168.32.113	Microsoft   MSSQL Server	Network Store Interface Service	No
). ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	Plug and Play	No
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	Power	No
<ol> <li>ACME - DB MSSQL 2 - W</li> </ol>		192.168.32.113	Microsoft   MSSQL Server	Print Spooler	No
<ol> <li>ACME - DB MSSQL 2 - W</li> </ol>		192.168.32.113	Microsoft   MSSQL Server	Remote Desktop Configuration	No
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	Remote Desktop Services	No
<ol><li>ACME - DB MSSQL 2 - W</li></ol>		192.168.32.113	Microsoft   MSSQL Server	Remote Desktop Services UserMode Po	
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	Remote Procedure Call (RPC)	No
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	Remote Registry	No
ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	RPC Endpoint Mapper	No
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	Security Accounts Manager	No
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	Server	No
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	Shell Hardware Detection	No No
2. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	SNMP Service Software Protection	
ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server		No
<ul> <li>ACME - DB MSSQL 2 - W</li> <li>ACME - DB MSSQL 2 - W</li> </ul>		192.168.32.113 192.168.32.113	Microsoft   MSSQL Server Microsoft   MSSQL Server	SPP Notification Service SQL Server (MSSQLSERVER)	No No
S. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server		
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	SQL Server Analysis Services (MSSQL SQL Server Reporting Services (MSSQL	
B. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	SQL Server VSS Writer	No
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft I MSSQL Server	System Event Notification Service	No
). ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	Task Scheduler	No
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	TCP/IP NetBIOS Helper	No
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft I MSSQL Server	User Profile Service	No
B. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	Windows Event Log	No
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	Windows Event Edg	No
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	Windows Font Cache Service	No
B. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	Windows I off Cache Service	No
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft I MSSQL Server	Windows Management Instrumentation	No
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft I MSSQL Server	Windows Management Institution	No
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	Windows Remote Management (WS-Ma	
). ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft I MSSQL Server	Windows Time	No
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft I MSSQL Server	Windows Update	No
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft   MSSQL Server	WinHTTP Web Proxy Auto-Discovery Se	
ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft I MSSQL Server	WMI Performance Adapter	No
. ACME - DB MSSQL 2 - W		192.168.32.113	Microsoft I MSSQL Server	Workstation	No

To generate a report on all or multiple Windows services in SL1:

1. Go to the **Windows Services** page (Devices > Services).

2. In the Windows Services page, select the [Report] button.



NOTE: If you want to include only certain services in the report, use the "search as you type" fields at the top of each column. You can filter the list by one or more column headings. You can then select the [Report] button, and only the services displayed in the Windows Services page will appear in the report.

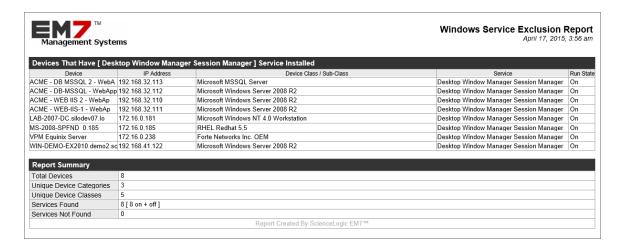
3. The Export current view as a report modal appears.



- 4. In the **Export current view as a report** modal, you must select the format in which SL1 will generate the report. Your choices are:
  - Comma-separated values (.csv)
  - Web page (.html)
  - OpenDocument Spreadsheet (.ods)
  - Excel spreadsheet (.xlsx)
  - Acrobat document (.pdf)
- 5. Click the [Generate] button. The report will contain all the information displayed in the Windows Services page. You can immediately view the report or save it to a file for later viewing.

#### Generating an Exclusion Report for a Windows Service

From the **Windows Services** page, you can generate an exclusion report for a service. SL1 will generate the report in MS Word format. An exclusion report specifies all devices where the selected Windows service is running and all devices where the selected Windows service is not running.

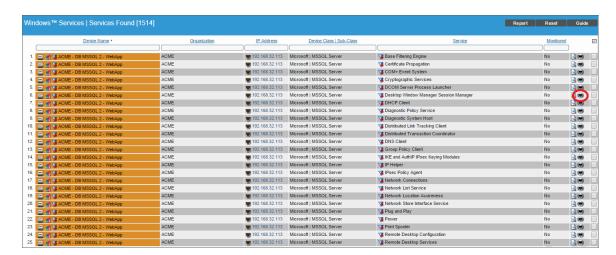


A Windows Services Exclusion Report displays the following:

- Name of the Windows service.
- List of all devices in SL1 where the Windows service is running.
- List of all devices in SL1 where the Windows service is not running. SL1 includes only appropriate servers in this report. For example, Solaris servers would not appear in a report for Windows services.
- The last row in the report displays:
  - Total number of devices in report.
  - Total number of device categories included in the report.
  - Total number of device classes included in the report.
  - Total number of devices where Windows service is running.
  - o Total number of devices where Windows service is not running.

To generate an exclusion report about a Windows service:

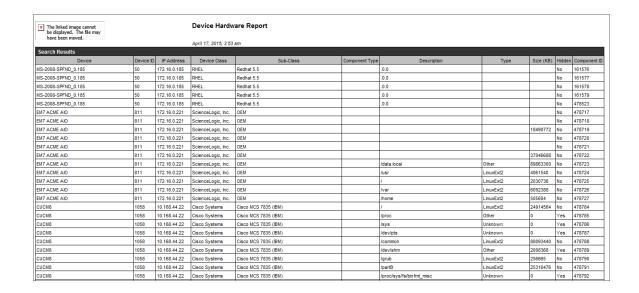
1. Go to the **Windows Services** page (Devices > Services).



- 2. In the **Windows Services** page, find an instance of the Windows service you want to generate an exclusion report for. Select its printer icon ( ).
- 3. You will be prompted to save or view the generated report.

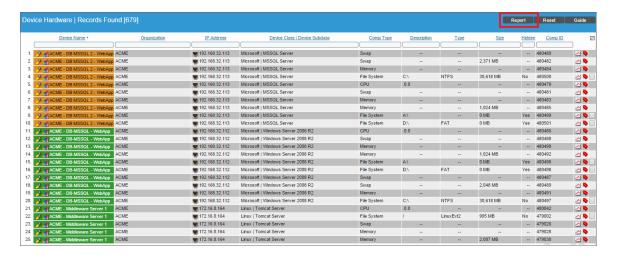
# Generating a Report for Multiple Hardware Components on Multiple Devices

The **Device Hardware** page allows you to generate an Excel report that contains all the information on the **Device Hardware** page. You can immediately view the information or save it to a file for later viewing.



To generate a report on all hardware components in SL1:

- 1. Log in to SL1.
- 2. Go to the **Device Hardware** page (Devices > Hardware).



- 3. In the **Device Hardware** page, click the **[Report]** button.
- 4. When prompted, specify whether you want to save the report to your local computer or open the report immediately.

# Generating a Report for Multiple Software Titles on Multiple Devices

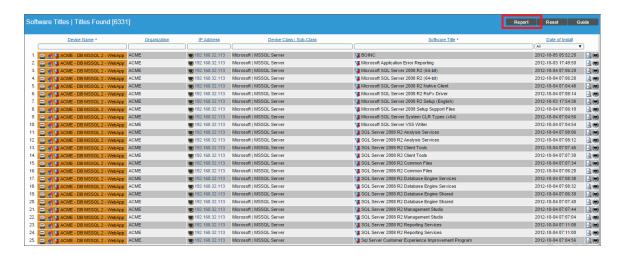
From the **Software Titles** page (Devices > Software) you can generate a report on all, multiple, or a single software title in SL1. The report will contain all the information displayed in the **Software Titles** page.

oftware Titles Report genera	ited by banderton on 20	15-04-17 03:50:56			
evices that have [Array] insta	alled				
Device Name	Organization	IP Address	Device Class   Sub-Class	Software Title	Date of Install
<ol> <li>ACME - DB MSSQL 2 - V</li> </ol>	ACME	192.168.32.113	Microsoft   MSSQL Server	BOINC	2012-10-05 05:52:2
1. ACME - DB MSSQL 2 - V	ACME	192.168.32.113	Microsoft   MSSQL Server	Microsoft Application Error Reporting	2012-10-03 17:49:5
2. ACME - DB MSSQL 2 - V	N ACME	192.168.32.113	Microsoft   MSSQL Server	Microsoft SQL Server 2008 R2 (64-bit)	2012-10-04 07:06:2
<ol><li>ACME - DB MSSQL 2 - V</li></ol>	NACME	192.168.32.113	Microsoft   MSSQL Server	Microsoft SQL Server 2008 R2 (64-bit)	2012-10-04 07:06:2
4. ACME - DB MSSQL 2 - V	NACME	192.168.32.113	Microsoft   MSSQL Server	Microsoft SQL Server 2008 R2 Native Client	2012-10-04 07:04:4
<ol><li>ACME - DB MSSQL 2 - V</li></ol>	NACME	192.168.32.113	Microsoft   MSSQL Server	Microsoft SQL Server 2008 R2 RsFx Driver	2012-10-04 07:08:
<ol><li>ACME - DB MSSQL 2 - V</li></ol>	N ACME	192.168.32.113	Microsoft   MSSQL Server	Microsoft SQL Server 2008 R2 Setup (English)	2012-10-03 17:54:3
7. ACME - DB MSSQL 2 - V	NACME	192.168.32.113	Microsoft   MSSQL Server	Microsoft SQL Server 2008 Setup Support File	2012-10-04 07:06:
8. ACME - DB MSSQL 2 - V	NACME	192.168.32.113	Microsoft   MSSQL Server	Microsoft SQL Server System CLR Types (x64	2012-10-04 07:04:
9. ACME - DB MSSQL 2 - V	VACME	192.168.32.113	Microsoft   MSSQL Server	Microsoft SQL Server VSS Writer	2012-10-04 07:04:
10. ACME - DB MSSQL 2 - V	ACME	192.168.32.113	Microsoft   MSSQL Server	SQL Server 2008 R2 Analysis Services	2012-10-04 07:08:
11. ACME - DB MSSQL 2 - V	N ACME	192.168.32.113	Microsoft   MSSQL Server	SQL Server 2008 R2 Analysis Services	2012-10-04 07:08:
12. ACME - DB MSSQL 2 - V	NACME	192.168.32.113	Microsoft   MSSQL Server	SQL Server 2008 R2 Client Tools	2012-10-04 07:07:
13. ACME - DB MSSQL 2 - V	ACME	192.168.32.113	Microsoft   MSSQL Server	SQL Server 2008 R2 Client Tools	2012-10-04 07:07:
14. ACME - DB MSSQL 2 - V	VACME	192.168.32.113	Microsoft   MSSQL Server	SQL Server 2008 R2 Common Files	2012-10-04 07:07:
<ol><li>ACME - DB MSSQL 2 - V</li></ol>	NACME	192.168.32.113	Microsoft   MSSQL Server	SQL Server 2008 R2 Common Files	2012-10-04 07:06
<ol><li>ACME - DB MSSQL 2 - V</li></ol>	NACME	192.168.32.113	Microsoft   MSSQL Server	SQL Server 2008 R2 Database Engine Service	2012-10-04 07:08
17. ACME - DB MSSQL 2 - V	ACME	192.168.32.113	Microsoft   MSSQL Server	SQL Server 2008 R2 Database Engine Service	
18. ACME - DB MSSQL 2 - V	VACME	192.168.32.113	Microsoft   MSSQL Server	SQL Server 2008 R2 Database Engine Shared	2012-10-04 07:06
19. ACME - DB MSSQL 2 - V	ACME	192.168.32.113	Microsoft   MSSQL Server	SQL Server 2008 R2 Database Engine Shared	2012-10-04 07:07
0. ACME - DB MSSQL 2 - V	N ACME	192.168.32.113	Microsoft   MSSQL Server	SQL Server 2008 R2 Management Studio	2012-10-04 07:07
1. ACME - DB MSSQL 2 - V	\ ACME	192.168.32.113	Microsoft   MSSQL Server	SQL Server 2008 R2 Management Studio	2012-10-04 07:07
22. ACME - DB MSSQL 2 - V	NACME	192.168.32.113	Microsoft   MSSQL Server	SQL Server 2008 R2 Reporting Services	2012-10-04 07:11
23. ACME - DB MSSQL 2 - V	VACME	192.168.32.113	Microsoft   MSSQL Server	SQL Server 2008 R2 Reporting Services	2012-10-04 07:11
24. ACME - DB MSSQL 2 - V	NACME	192.168.32.113	Microsoft   MSSQL Server	Sql Server Customer Experience Improvement	2012-10-04 07:04
25. ACME - DB-MSSQL - We	ACME	192.168.32.112	Microsoft   Windows Server 2008 R2	Microsoft Application Error Reporting	2012-10-03 17:49
26. ACME - DB-MSSQL - We	ACME	192.168.32.112	Microsoft   Windows Server 2008 R2	Microsoft SQL Server 2008 R2 (64-bit)	2012-10-04 07:06
27. ACME - DB-MSSQL - We	ACME	192.168.32.112	Microsoft   Windows Server 2008 R2	Microsoft SQL Server 2008 R2 (64-bit)	2012-10-04 07:06
28. ACME - DB-MSSQL - We	ACME	192.168.32.112	Microsoft   Windows Server 2008 R2	Microsoft SQL Server 2008 R2 Native Client	2012-10-04 07:04
29. ACME - DB-MSSQL - We	ACME	192.168.32.112	Microsoft   Windows Server 2008 R2	Microsoft SQL Server 2008 R2 RsFx Driver	2012-10-04 07:08
80. ACME - DB-MSSQL - We	ACME	192.168.32.112	Microsoft   Windows Server 2008 R2	Microsoft SQL Server 2008 R2 Setup (English)	2012-10-03 17:54
31. ACME - DB-MSSQL - We	ACME	192.168.32.112	Microsoft   Windows Server 2008 R2	Microsoft SQL Server 2008 Setup Support File	
2. ACME - DB-MSSQL - We	ACME	192.168.32.112	Microsoft   Windows Server 2008 R2	Microsoft SQL Server System CLR Types (x64	2012-10-04 07:04
3. ACME - DB-MSSQL - We		192.168.32.112	Microsoft   Windows Server 2008 R2	Microsoft SQL Server VSS Writer	2012-10-04 07:04
34. ACME - DB-MSSQL - We		192.168.32.112	Microsoft   Windows Server 2008 R2	SQL Server 2008 R2 Analysis Services	2012-10-04 07:08
5. ACME - DB-MSSQL - We		192.168.32.112	Microsoft   Windows Server 2008 R2	SQL Server 2008 R2 Analysis Services	2012-10-04 07:08
36. ACME - DB-MSSQL - We		192.168.32.112	Microsoft   Windows Server 2008 R2	SQL Server 2008 R2 Client Tools	2012-10-04 07:07

To generate a report on all or multiple software titles in SL1:

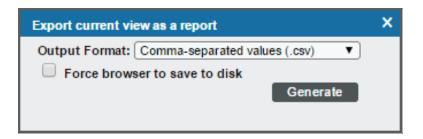
1. Go to the **Software Titles** page (Devices > Software).

2. In the **Software Titles** page, select the **[Report]** button.



NOTE: If you want to include only certain software titles in the report, use the "find while you type" fields at the top of each column. You can filter the list by one or more column headings. You can then select the [Report] button, and only the software titles displayed in the Software Titles page will appear in the report.

3. The **Export current view as a report** modal appears:



- 4. In the **Export current view as a report** page, you must select the format in which SL1 will generate the report. Your choices are:
  - Comma-separated values (.csv)
  - Web page (.html)
  - OpenDocument Spreadsheet (.ods)
  - Excel spreadsheet (.xlsx)
  - Acrobat document (.pdf)
- 5. Click the [Generate] button. The report will contain all the information displayed in the Software Titles page. You can immediately view the report or save it to a file for later viewing.

## Generating an Exclusion Report for a Software Title

From the **Software Titles** page you can generate Software Exclusion Reports. These reports can help administrators manage patches and software versions. Software Exclusions Reports are generated in .XLSX format.

Software Exclusion Report generated	d by banderton on 2	015-04-17 03:45:57
Report Summary [Microsoft SQL Serv	2000 D2 (C4 L:A)	
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Total Devices	102	
Unique Device Categories	3	
Unique Device Classes	1	
Titles Found	6	
Titles Not Found	96	

Softw	are Exclusion Report ger	nerated by banderton on	2015-04-17 03:45:57			
Devic	es that have [Microsoft S	QL Server 2008 R2 (64-bi	t)] installed			
	Device Name	Organization	IP Address	Device Class   Sub-Class	Software Title	Date of Install
0.	ACME - DB MSSQL 2 - W	ACME	192.168.32.113	Microsoft   MSSQL Server	Microsoft SQL Server 2008 R2 (64-bit)	2012-10-04 07:06:20
1.	ACME - DB MSSQL 2 - W	ACME	192.168.32.113	Microsoft   MSSQL Server	Microsoft SQL Server 2008 R2 (64-bit)	2012-10-04 07:06:20
2.	ACME - DB-MSSQL - Wel	ACME	192.168.32.112	Microsoft   Windows Server 2008 R2	Microsoft SQL Server 2008 R2 (64-bit)	2012-10-04 07:06:20
3.	ACME - DB-MSSQL - Wel	ACME	192.168.32.112	Microsoft   Windows Server 2008 R2	Microsoft SQL Server 2008 R2 (64-bit)	2012-10-04 07:06:20
4.	DEMO-SP-01	HQ Data Center	192.168.41.108	Microsoft   Windows Server 2012	Microsoft SQL Server 2008 R2 (64-bit)	2014-12-17 05:01:44
5.	DEMO-SP-01	HQ Data Center	192.168.41.108	Microsoft   Windows Server 2012	Microsoft SQL Server 2008 R2 (64-bit)	2014-12-17 05:01:44

oftw	are Exclusion Report gen	erated by banderton o	n 2015-04-17 03:45:57	,		
vic	es that do not have [Micro	osoft SQL Server 2008 I	R2 (64-bit)] installed			
	Device Name	Organization	IP Address	Device Class   Sub-Class	Software Title	Date of Install
0.	ACME - WEB IIS 2 - Web	ACME	192.168.32.110	Microsoft   Windows Server 2008 R2	BOINC	2012-10-05 07:01:4
1.	ACME - WEB-IIS-1 - Web.	ACME	192.168.32.111	Microsoft   Windows Server 2008 R2	BOINC	2012-10-05 10:06:0
2.	DEMO-AP-01.demo.sciene	HQ Data Center	192.168.41.107	Microsoft   Windows Server 2012	None	
3.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	Microsoft Help Viewer 1.1	2014-08-28 14:07:4
4.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	Microsoft SQL Server 2012 (64-bit)	2014-08-28 14:10:
5.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	Microsoft SQL Server 2012 (64-bit)	2014-08-28 14:10:
6.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	Microsoft SQL Server 2012 Native Client	2014-08-28 14:10:
7.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	Microsoft SQL Server 2012 Transact-SQL Con	2014-08-28 14:10:
8.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	Microsoft Visual C++ 2010 x64 Redistributabl	e 2014-08-27 12:48:
9.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	Microsoft VSS Writer for SQL Server 2012	2014-08-28 14:10
0.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	None	2014-08-28 14:10
1.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	Service Pack 2 for SQL Server 2012 (KB29584	2014-09-12 10:21
2.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	SQL Server 2012 Common Files	2014-08-28 14:15:
13.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	SQL Server 2012 Common Files	2014-08-28 14:13
4.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	SQL Server 2012 Data quality client	2014-08-28 14:15
5.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	SQL Server 2012 Data quality service	2014-08-28 14:16
6.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	SQL Server 2012 Data quality service	2014-08-28 14:16
7.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	SQL Server 2012 Data quality service	2014-09-12 10:12
8.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	SQL Server 2012 Database Engine Services	2014-08-28 14:16
9.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	SQL Server 2012 Database Engine Services	2014-09-12 10:11
20.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	SQL Server 2012 Database Engine Shared	2014-08-28 14:16
1.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	SQL Server 2012 Distributed Replay	2014-08-28 14:15
2.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	SQL Server 2012 Distributed Replay	2014-08-28 14:15
3.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	SQL Server 2012 Full text search	2014-08-28 14:16
4.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	SQL Server 2012 Integration Services	2014-08-28 14:15
25.	DEMO-SQL-01.demo.scie	HQ Data Center	192.168.41.109	Microsoft   Windows Server 2012	SQL Server 2012 Integration Services	2014-08-28 14:15
26.	DEMO-SQL-01.demo.scie	HQ Data Center	192,168,41,109	Microsoft   Windows Server 2012	SQL Server 2012 Management Studio	2014-08-28 14:19

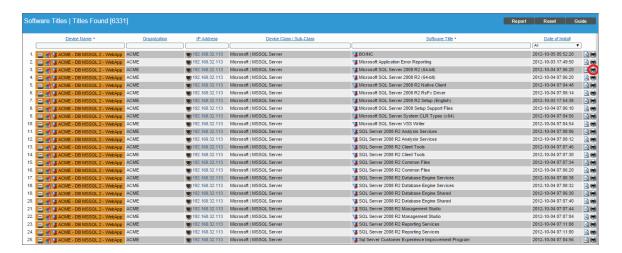
A Software Exclusions Report displays the following:

- Name of the software title and the date the report was generated.
- List of all devices in SL1 that have the software installed.
- List of all devices in SL1 that don't have the software installed. SL1 includes only appropriate servers in this report. For example, Solaris servers would not appear in a report for a Windows 2000 patch.

- The last row in the report displays:
  - ° Total number of devices in report.
  - Total number of device categories included in the report.
  - ° Total number of device classes included in the report.
  - Number of devices where software is installed.
  - Number of devices where software is not installed.

To generate a software exclusion report:

1. Go to the **Device Software** page (Devices > Software).



- 2. In the **Software Titles** page, find an instance of the software title you want to generate an exclusion report for and click its printer icon ( )
- 3. You will be prompted to save or view the generated report.

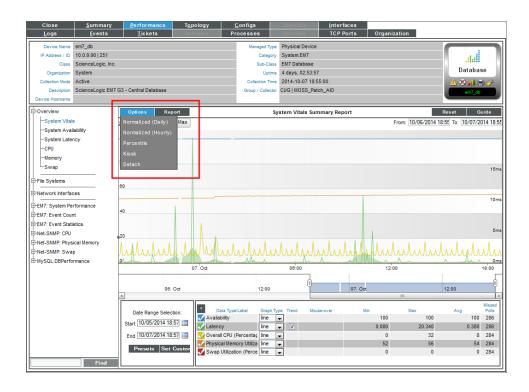
# Saving an Embedded Report from the Device Performance Page

You can use the **[Report]** button to save an embedded device report to a file on your local computer. You can choose from a number of different formats in which to save the file.

To save a report to your local computer:

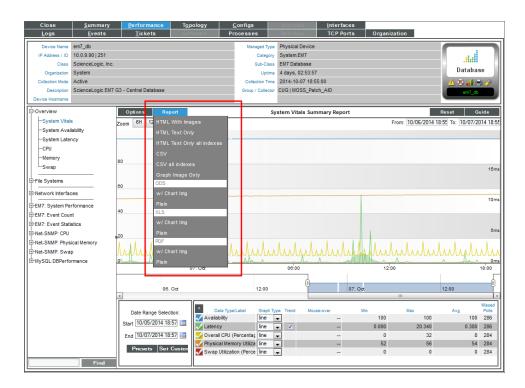
- 1. Go to the **Device Manager** page (Registry > Devices > Device Manager).
- 2. Select the graph icon ( for the device for which you want to save a report. The **Device Summary** page appears.
- 3. Select the [Performance] tab to open the Device Performance page.
- 4. In the **Device Performance** page, select the report you want to save from the left nav bar.

5. Once you have selected the report, you can select the **[Options]** button to determine how you want to configure the data before it is displayed in the report. Your choices are:



- Default. The initial report that is displayed is not normalized and displays every collected value.
- Normalized (Daily). In SL1, normalized data does not include polling sessions that were missed or skipped. So for normalized data, null values are not included when calculating maximum values, minimum values, or average values. When you select this option, SL1 normalizes all the data collected in each 24-hour period and displays a single value for each day.
- Normalized (Hourly). This option applies only to Bandwidth Usage reports. In SL1, normalized data
  does not include polling sessions that were missed or skipped. So for normalized data, null values are
  not included when calculating maximum values, minimum values, or average values. When you
  select this option, SL1 normalizes all the data collected each hour and displays a single value for
  each hour.
- **Percentile**. Displays percent on the y-axis. This can be applied to normalized or non-normalized reports.
- **Kiosk**. Displays the report in full-page mode. This is helpful for NOC personnel who need to display reports on large screens.
- **Detach**. Spawns the report in a new window.
- Select Scale. For Bandwidth Usage reports, multiple options allow you to select the scale (octets,
  Octetbps, Kbps, Mbps, Gbmp, Tbps, Pbps) for display of inbound traffic and outbound traffic in the
  report.
- Interface Manager. This option applies only to Bandwidth Usage reports. Leads to the Interface Properties modal page, where you can view and edit the monitoring parameters for an interface.

- *Edit Current Policy*. For policy-based reports (domain name, email round-trip, SOAP/XML transactions, system processes, TCP/IP ports, web content), selecting this option displays a modal page in which you can edit the policy associated with the report.
- Series Selection. Each graph generated by a Dynamic Application can display up to eight dataseries at a time. If a Presentation Object includes more than eight data-series, you can use this selection to view a different set of data series. When you select this option, the **Graph Index** Selection modal page is displayed. In the **Graph Index Selection** modal page, you can select up to eight data-series to display in the graph.
- *Edit Current Presentation*. For reports generated by Dynamic Applications, selecting this option allows you to edit the Presentation Object associated with the report.
- 6. After you have determined how you want to configure the data in your report, select the [Report] button to select the format in which you want to save the report. You can select from the following:



- HTML with Images. Saves the graph and a table of all the data in the report, in HTML format.
- HTML Text Only. Saves the report as a table of data, in HTML format.
- HTML Text Only all indexes. Saves the report as a table of data, in HTML format. In the Device
  Performance page, the report can include up to eight data series (indexes); when you select this
  option, the HTML report will include all indexes collected by SL1, even if the number of indexes is
  greater than eight.

- CSV. Saves the data from the report (usually date, time, and value) as comma-separated values.
- CSV all indexes. Saves the data from the report (usually date, time, and value) as comma-separated values. In the **Device Performance** page, the report can include up to eight data series (indexes); when you select this option, the CSV report will include all indexes collected by SL1, even if the number of indexes is greater than eight.
- Graph Image Only. Saves only the graph from the report as a .png file.
- ODS w/Chart Img. Saves the graph and a table of all the data in the report, in ODS format.
- ODS Plain. Saves the table of all the data in the report, in ODS format.
- XLSX w/ Chart Img. Saves the graph and a table of all the data in the report, in XLSX (Excel) format.
- XLSX Plain. Saves the table of all the data in the report, in XLSX (Excel) format.
- PDF w/chart Img. Saves the graph and a table of all the data in the report, in PDF format.
- PDF Plain. Saves the table of all the data in the report, in PDF format.
- 7. When you select the format, you will be prompted to save the report to your local computer.
- 8. Saving a report to your local computer also gives you the opportunity to print the saved report.

# **Appendix**

C

## **Embedded Organization and User Reports**

#### Overview

This appendix describes how to generate reports that are embedded in SL1 that include information about:

- Organizations
- User Accounts
- Access Keys

Use the following menu options to navigate the SL1 user interface:

- To view a pop-out list of menu options, click the menu icon
- To view a page containing all the menu options, click the Advanced menu icon ( ··· ).

This appendix includes the following topics:

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Generating a Report for Multiple User Accounts	270
Generating a Report for a Single User Account	272
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## Generating a Report for Multiple Organizations

The [Registry] tab includes the Organizational Account Administration page (Registry > Accounts > Organizations). From the Organizational Account Administration page you can generate an Excel report that contains all the information in the Organizational Account Administration page, plus some additional information from the Organization Properties page for each organization.

Organization Name	City	State	Contact	Phone	Email Address	Users	Devices	Assets	Events	ID	Edited By	Last Edited
0. ACME	Brooklyn	NY	O'Dell, Nancy	(646) 555-7864	fancynancy@acme.com	2	25	25	71	10	em7admin	2011-09-12 13:01:
Aolani Corp.	Boston	MA	Allen, Pete	(617) 379-0195	pallen@sciencelogic.com	-				195	pallen	2014-11-24 21:23
2. Axis Corporation	2	AL				-	-				em7admin	2014-06-04 19:31
3. Chart Company	Truro		,				2	2			em7admin	2014-07-19 01:17
CloudHosting	New Heaven	CT	,				14	14	1		jwillsey	2014-06-13 16:37
5. Customer						-	-	1			em7admin	2014-11-20 23:18
<ol><li>Customer A Video</li></ol>	allendown	PA	,				3	3	7		em7admin	2014-11-06 00:13
<ol> <li>Customer B Video</li> </ol>	Portland		,				6				em7admin	2014-05-20 20:30
CustomerX						-	4	4	16	180	em7admin	2014-06-07 02:32
9. Demo Lab	Reston	VA	Allen, Pete	(617) 379-0195	pallen@sciencelogic.com	-	11				em7admin	2014-05-20 19:58
Enterprise Video	Kansas City	KS								23	em7admin	2012-05-14 13:46
HQ Data Center	Reston	VA	Cordray, Christopher	(703)-354-1010	support@acme.com	159	210	249	370		em7admin	2011-03-31 17:17
2. Insight			,			-	1	1			em7admin	2014-06-04 17:48
B. MSP - AUS	Sydney						1	1	5		em7admin	2014-07-18 03:03
Pittock	Portland	OR	Georgiana, Henry	5038233623				300	2		em7admin	2014-08-07 21:19
5. SILO	Kansas City	KS	,			-	217	217	20	16	em7admin	2014-11-04 22:25
6. US NYC	Manhattan		Sellers, Bob	212-564-9878	bsellers@acme.com		1	2	7		em7admin	2011-03-31 17:17
7. US West	San Mateo	CA	McKenzie, Ted	801-098-5432	tmckenzie@asme.com						em7admin	2011-03-31 17:15
8. Video Lab							4	4	13	196	em7admin	2015-04-10 10:00

To generate a report on all or multiple organizations in SL1:

1. Go to the **Organizational Account Administration** page (Registry > Accounts > Organizations).

2. In the Organizational Account Administration page, click the [Report] button:



NOTE: If you want to include only certain organizations in the report, use the "search as you type" fields at the top of each column. You can filter the list by one or more column headings. You can then click the [Report] button, and only the organizations displayed in the Organizational Account Administration page will appear in the report.

3. The **Export current view as a report** modal page appears:



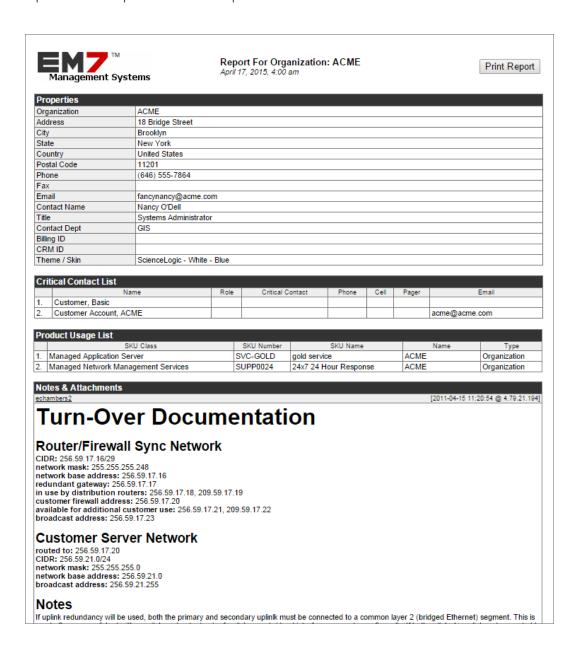
- 4. In the **Export current view as a report** page, you must select the format in which SL1 will generate the report. Your choices are:
  - Comma-separated values (.csv)
  - Web page (.html)
  - Open Document Spreadsheet (.ods)
  - Excel spreadsheet (.xlsx)
  - Acrobat document (.pdf)
- 5. Click the [Generate] button. The report will contain all the information displayed in the Organizational Account Administration page. You can immediately view the report or save it to a file for later viewing.

For each organization in SL1, this report displays:

- Organization ID
- Organization Name
- Address
- City
- State / Province
- Postal Code
- Country
- Contact's Last Name
- Contact's First Name
- Email
- Phone
- Fax
- Contact's Title
- Contact's Department
- Billing ID
- CRM ID
- Toll Free
- Number of User Accounts
- Number of Devices
- Number of Assets Records
- Number of Network Interfaces
- Date and Time of Last Edit

## Generating a Report for a Single Organization

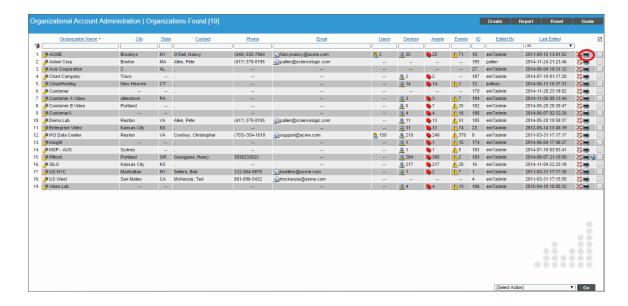
SL1 can generate a custom report about a single organization. You can specify the level or detail to include in the report and the output format for the report.



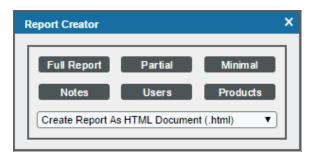
To generate a detailed report about a single organization:

1. Go to the **Organizational Account Administration** page (Registry > Accounts > Organizations).

2. In the **Organizational Account Administration** page, find the organization you want to generate a report about. Click its printer icon (19):



3. The **Report Creator** modal page appears:

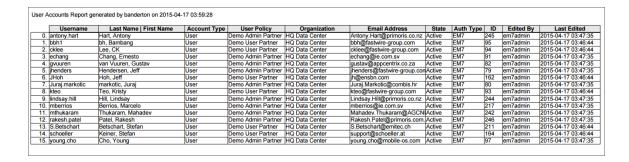


- 4. The **Report Creator** modal page allows you to generate an organization report. From the **Report Creator** modal page, you can specify which information to include in the report and the format in which the report will be generated.
- 5. You can select from the following list of formats in which the report can be generated:
  - Create Report as HTML Document
  - Create Report as PDF Document
  - Create Report as Open Document Spreadsheet
  - Create Report as MS Excel Document

- 6. You can select one of the following to specify the information to include in the report:
  - [Full Report]. Displays all the contact information (address, phone numbers, email, contact person)
    from the Organization Properties page plus any product SKUs associated with the organization
    and all notes and attachments for the organization, as displayed in the Organizational Notes
    page.
  - [Partial]. Displays all the contact information (address, phone numbers, email, contact person) plus any critical contact persons from the Organization Properties page.
  - [Minimal]. Displays only the address and contact information in the Organization Properties page.
  - [Notes]. Displays all notes and attachments for the organization from the **Organization Properties** page.
  - [Contacts]. Displays a list of all user accounts in the organization from the Organization Properties page.
  - [Products]. Displays a list of product SKUs associated with the organization from the Organization Properties page.
- 7. When you select the information to include the report, SL1 will generate the report. You can immediately view the report or save it to a file for later viewing.

#### Generating a Report for Multiple User Accounts

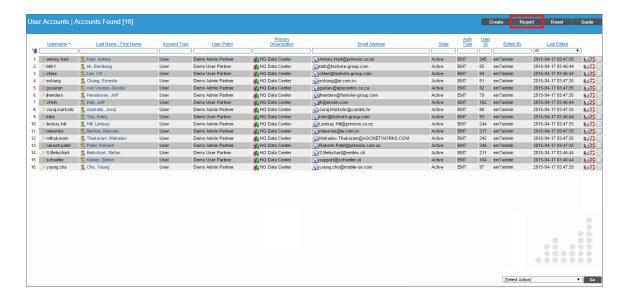
From the **User Accounts** page you can generate a report that displays information for all or multiple user accounts in SL1. The report will contain all the information displayed in the **User Accounts** page.



To generate a report on all or multiple user accounts:

1. Go to the **User Accounts** page (Registry > Accounts > User Accounts).

2. In the **User Accounts** page, click the **[Report]** button:



NOTE: If you want to include only certain interfaces in the report, use the "search as you type" fields at the top of each column. You can filter the list by one or more column headings. You can then click the [Report] button, and only the user accounts displayed in the User Accounts page will appear in the report.

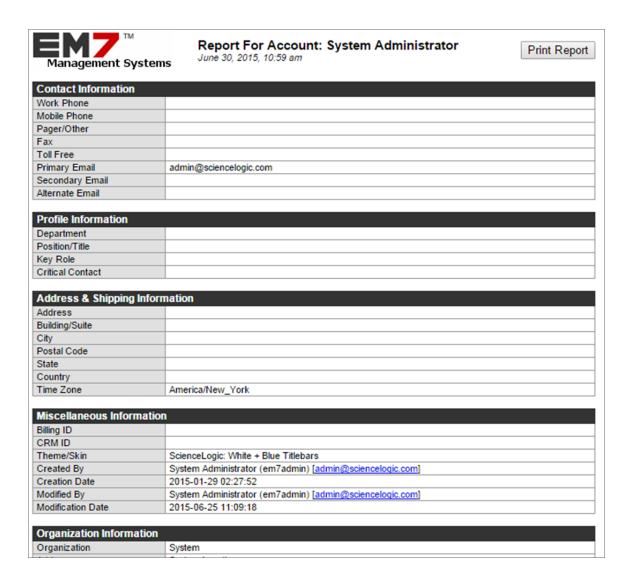
3. The **Export current view as a report** modal page appears.



- 4. In the **Export current view as a report** modal page, you must select the format in which SL1 will generate the report. Your choices are:
  - Comma-separated values (.csv)
  - Web page (.html)
  - Open Document Spreadsheet (.ods)
  - Excel spreadsheet (.xlsx)
  - Acrobat document (.pdf)
- 5. Click the **[Generate]** button. The report will contain all the information displayed in the **User Accounts** page. You can immediately view the report or save it to a file for later viewing.

## Generating a Report for a Single User Account

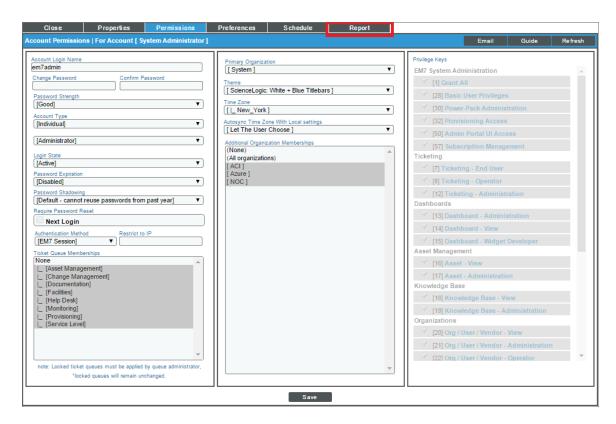
You can also generate a report that displays information for a single user account in SL1.



To generate a report on a single user account:

- 1. Go to the **User Accounts** page (Registry > Accounts > User Accounts).
- 2. In the **User Accounts** page, find the account for which you want to generate a report. Click the account's wrench icon ( or its business card icon ( ).

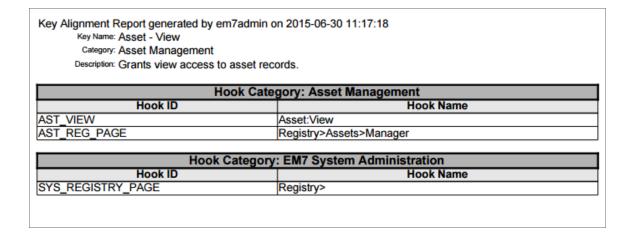
3. Click the [Report] tab:



4. An HTML report appears, populated with data from the selected user account. You can print the report or right-click to save the HTML page.

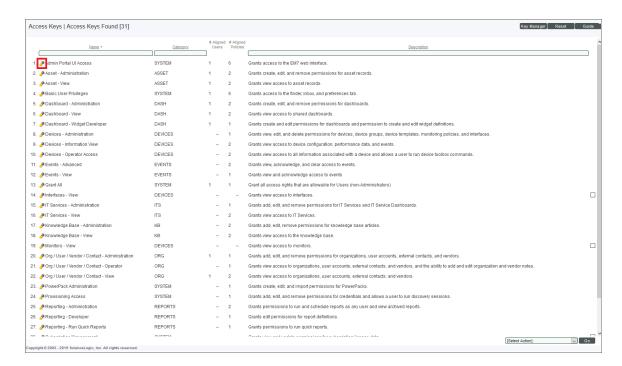
#### Generating a Report for an Access Key

From the **Access Keys** page you can generate a report on any access key in SL1. The report displays the hook category, hook ID, and hook name of each access hook included in the access key.

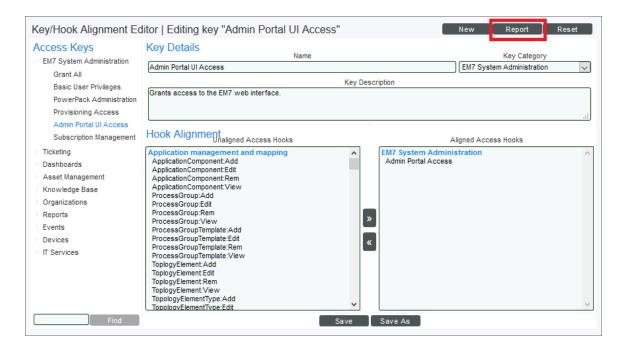


To generate a report on access keys:

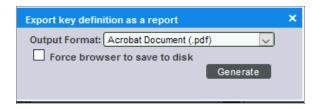
- 1. Navigate to the **Access Keys** page (System > Manage > Access Keys).
- 2. Locate the access key for which you want to generate a report and click its wrench icon (🔧):



3. The **Key/Hook Alignment Editor** modal page appears. Click the **[Report]** button:



4. The **Export key definition as a report** modal page appears:



Select from the following output formats to generate the report:

- Web page (.html)
- OpenDocument Spreadsheet (.ods)
- Excel Spreadsheet (.xlsx)
- Acrobat Document (.pdf)
- 5. Click the **[Generate]** button to generate the report. If you selected the *Force browser to save to disk* checkbox on the **Export key definition as a report** modal page, you will be promoted to designate a location to save the report before you can view the report.

# **Appendix**

D

# **Embedded Ticketing Reports**

#### Overview

This appendix describes how to generate reports that are embedded in SL1 that include information about tickets.

Use the following menu options to navigate the SL1 user interface:

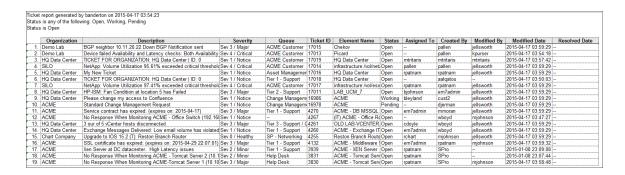
- To view a pop-out list of menu options, click the menu icon
- To view a page containing all the menu options, click the Advanced menu icon ( ··· ).

This appendix includes the following topics:

Generating a Report for Multiple Tickets		7
Generating a Report for a Single Ticket	27	75

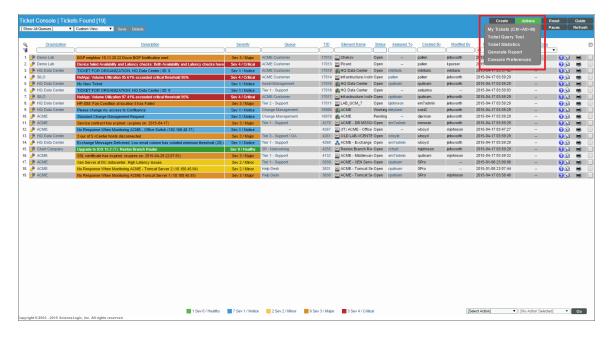
## Generating a Report for Multiple Tickets

The **Ticket Console** page contains a list of tickets in SL1. From the **Ticket Console** page you can generate a report on all, multiple, or a single ticket in SL1. The report will contain all the information in the **Ticket Console** page.

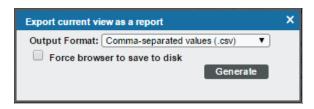


To generate a report for all or multiple tickets in SL1:

- 1. Go to the Ticket Console page ([Tickets] tab).
- 2. Optionally, apply filters so that the **Ticket Console** page displays only tickets you want to include in the report.
- 3. In the **Ticket Console** page, select the **[Actions]** button in the top right and select **Generate Report**:



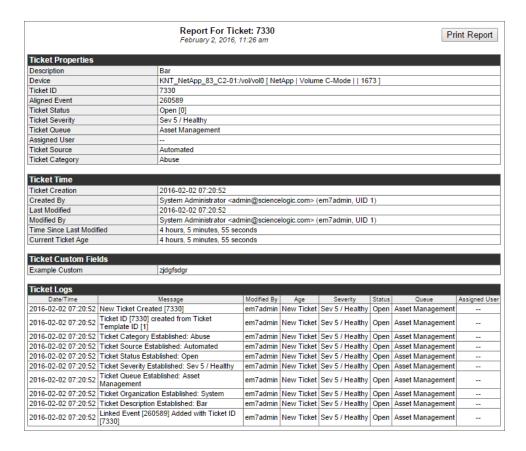
4. The **Export current view as a report** modal page appears. Select from the following output formats in which to generate the report:



- Comma-separated values (.csv)
- Web page (.html)
- OpenDocument Spreadsheet (.ods)
- Excel Spreadsheet (.xlsx)
- Acrobat Document (.pdf)
- 5. Select the **[Generate]** button to generate the report. If you selected the *Force browser to save to disk* checkbox in the **Export current view as a report** modal page, you will be promoted to designate a location to save the report before you can view the report.

#### Generating a Report for a Single Ticket

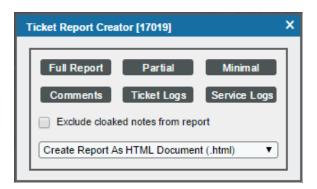
You can view and print reports for a single ticket in the **Ticket Console** page. These reports can be created in multiple formats, and can display a range of information, from a full report to a minimal report.



To generate a report on a single ticket:

- 1. Go to the **Ticket Console** page ([**Tickets**] tab).
- 2. In the **Ticket Console** page, find the ticket you want to view a report on. Choose one of the following options:
  - Select its printer icon ( )
  - Select its wrench icon ( ), select the [Actions] button, and then select *Print Report*.

3. The **Ticket Report Creator** appears and allows you to specify the information to include in the report and the format in which to generate the report:



- 4. Select from the following list of formats to generate the report:
  - Create Report as HTML Document
  - Create Report as PDF Document
  - Create Report as Open Document Spreadsheet
  - Create Report as Excel Spreadsheet
- 5. Select one of the following options to specify the information to include in the report:
  - Full Report. Includes a section on Ticket Properties and Ticket Time (includes all information from the Ticket Console page plus additional information from the Ticket Editor page); a section on Ticket Miscellaneous (name of queue administrator and information on other settings and options for the ticket); a section containing all the entries in the Notes & Attachments pane in the Ticket Editor page; and a section on Ticket Logs that includes all the log entries for the ticket as displayed in the [Logs] tab in the Ticket Editor page.
  - Partial. Includes a section on Ticket Properties and Ticket Time (includes all information from the
    Ticket Console page plus additional information from the Ticket Editor page); a section on Ticket
    Miscellaneous (name of queue administrator and information on other settings and options for the
    ticket); and a section containing all the entries in the Notes & Attachments pane in the Ticket
    Editor page.
  - Minimal. Includes a section on Ticket Properties and Ticket Time (includes all information from the
    Ticket Console page plus additional information from the Ticket Editor page), and a section on
    Ticket Miscellaneous (name of queue administrator and information on other settings and options for
    the ticket).
  - Comments. Includes all the entries in the Notes & Attachments pane in the Ticket Editor page.
  - Ticket Logs. Includes all the entries in the [Logs] tab in the Ticket Editor page.
  - Service Logs. Includes all the products selected in the Chargeback Service modal page for the
    ticket.
  - Exclude cloaked notes from report. If you select this checkbox, cloaked comments are not included in the report.

6.	After you have selected the format and the information to be displayed, SL1 will generate the report. You can immediately view the report, or save it to a file for later viewing.

# **Appendix**

E

## Embedded Asset, Product, and Vendor Reports

#### Overview

This appendix describes how to generate reports that are embedded in SL1 that include information about:

- Asset Records
- Product Subscriptions
- Vendors

Use the following menu options to navigate the SL1 user interface:

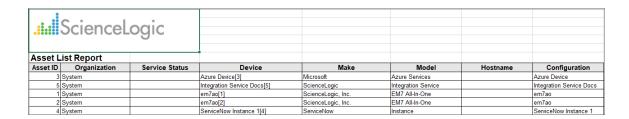
- To view a pop-out list of menu options, click the menu icon
- To view a page containing all the menu options, click the Advanced menu icon ( ... ).

#### This appendix includes the following topics:

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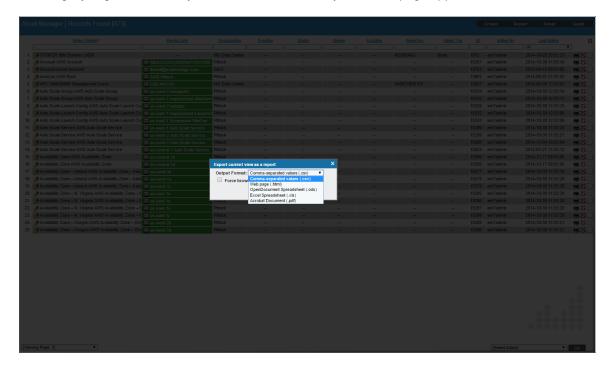
## Generating a Report for Multiple Asset Records

From the **Asset Manager** page you can generate a single report that contains information about multiple or all asset records. The **Asset Manager** page is located at Registry > Asset > Asset Manager.



To generate a report on multiple or all asset records:

- 1. Navigate to the **Asset Manager** page (Registry > Assets > Asset Manager).
- 2. To include only certain assets in the report, use the "search as you type" fields at the top of each column. You can filter the list by one or more column headings.
- 3. Click the [Report] button The Export current view as a report modal page appears:



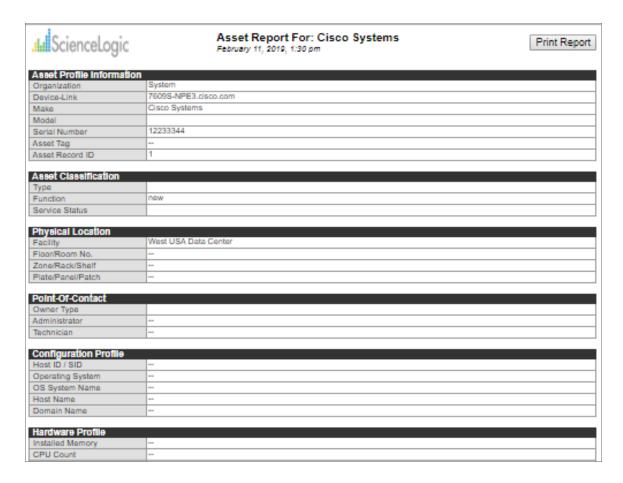
- 4. Select the format in which SL1 will generate the report. Your choices are:
  - Adobe Acrobat document ( .pdf)
  - Web page (.html)
  - Excel spreadsheet (.xlsx)
  - OpenDocument Spreadsheet (.ods)
  - Comma-separated values (.csv)
- 5. Click [Generate]. The report will contain all the information displayed in the Asset Report page. You can view the report now or save it for later viewing.

The report displays the following information from each asset record:

- Organization
- Device
- IP Address
- MAC Address
- Make
- Model
- Serial
- Asset Tag
- Type
- Function
- Asset Owner
- Service Status
- Host ID / SID
- Operating System
- OS System Name
- DNS Hostname
- DNS Domain Name
- Installed Memory
- CPU Count
- CPU Type / Make
- BIOS / EPROM
- Disk Array Size
- Disk Count
- Disk Size

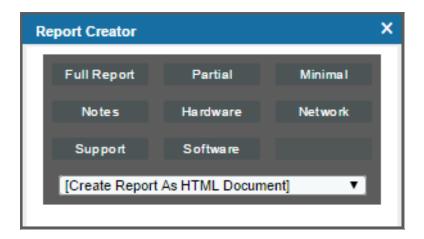
## Generating a Report for a Single Asset Record

You can view a customizable report for a single asset record. You can specify the asset record to create the report about, the information to include in the report, and the format of the generated report.



To generate a report for a single asset record:

- 1. Navigate to the **Asset Manager** page (Registry > Assets > Asset Manager).
- 2. In the **Asset Manager** page, find the asset record for which you want to generate a report. Click its printer icon ( ). The **Report Creator** modal page appears:



- 3. Select from the following list of formats in which the report can be generated:
  - Create Report as HTML Document
  - Create Report as PDF Document
  - Create Report as MS Word Document
  - Create Report as MS Excel Document
  - CSV Comma Separated Values
- 4. Select one of the following to specify the information to include in the report:
  - Full Report. Displays all the information from all of the pages in the asset record.
  - Partial. Displays all of the information in the Asset Properties page and some information from the Asset Maintenance & Service page and the Asset Configuration page.
  - Minimal. Displays a subset of information from the Asset Properties page.
  - Notes. Displays only the notes from the Asset Notes & Attachments page.
  - Hardware. Displays all of the information from the Asset Components page and some information from the Asset Configuration page.
  - **Network**. Displays all of the information from the **Asset IP Networks** page and some information from the **Asset Configuration** page.
  - **Support**. Displays all of the information in the **Asset Properties** page and some information from the **Asset Maintenance & Service** page.
  - **Software**. Displays all of the information from the **Asset Licenses** page and displays minimal information from the **Asset Properties** page.
  - Legacy. Displays a legacy asset report.
- 5. When you select the information to include in the report, SL1 will generate the report. You can immediately view the report or save it to a file for later viewing.

## Generating a Report for Product Subscriptions

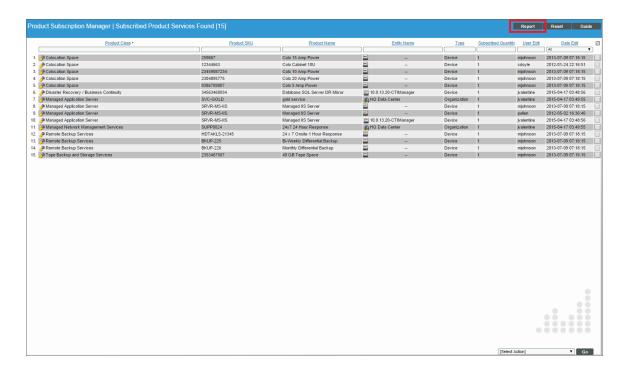
From the **Product Subscription Manager** page you can generate an Excel report on all product subscriptions in SL1.

EM7 <sup>™</sup>			Product SKU Report			
Management Systems			April 17, 2015, 3:57 am			
Report Data						
SKU Class	SKU Number	SKU Name	Element Name	Element Type	SKU II	
Colocation Space	12344663	Colo Cabinet 10U		Device	80	
Colocation Space	2304895775	Colo 20 Amp Power		Device	66	
Colocation Space	23459087234	Colo 10 Amp Power		Device	71	
Tape Backup and Storage Services	2353467567	40 GB Tape Space		Device	69	
Colocation Space	259867	Colo 15 Amp Power		Device	67	
Disaster Recovery / Business Continuity	34563460934	Database SQL Server DR Mirror	10.0.13.20-CTIManager	Device	74	
Colocation Space	9386709087	Colo 5 Amp Power		Device	72	
Remote Backup Services	BKUP-225	Bi-Weekly Differential Backup		Device	83	
Remote Backup Services	BKUP-226	Monthly Differential Backup		Device	84	
Remote Backup Services	HDTAKLS-21345	24 x 7 Onsite 1 Hour Response		Device	63	
Managed Application Server	SRVR-MS-IIS	Managed IIS Server	10.0.13.20-CTIManager	Device	93	
Managed Application Server	SRVR-MS-IIS	Managed IIS Server		Device	93	
Managed Application Server	SRVR-MS-IIS	Managed IIS Server		Device	93	
Managed Network Management Services	SUPP0024	24x7 24 Hour Response	HQ Data Center	Organization	89	
Managed Application Server	SVC-GOLD	gold service	HQ Data Center	Organization	94	

To generate a report on product subscriptions:

1. Go to the **Product Subscription Manager** page (Registry > Service Provider Utilities > Product Subscriptions).

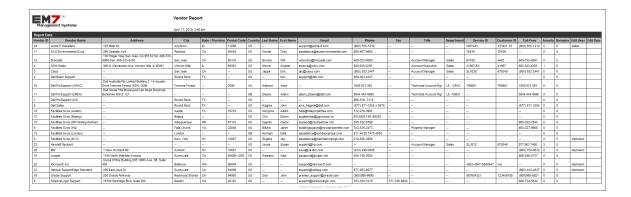
2. On the **Product Subscription Manager** page, click the **[Report]** button.



3. After clicking the [Report] option, specify whether you want to save the report to your local computer or open the report immediately with Excel. The report will contain all the information displayed in the **Product Subscription Manager** page.

#### Generating a Report for Multiple Vendors

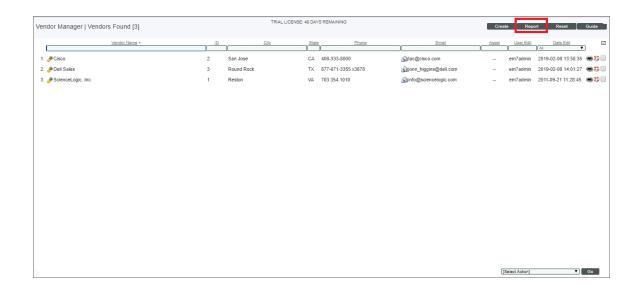
From the **Vendor Manager** page, you can generate an .XLSX report on all, multiple, or a single vendor in SL1. The report will contain information about all vendors in the **Vendor Manager** page.



To generate a report on all or multiple vendors in SL1:

1. Navigate to the **Vendor Manager** page (Registry > Accounts > Vendors).

2. In the **Vendor Manager** page, click the **[Report]** button.

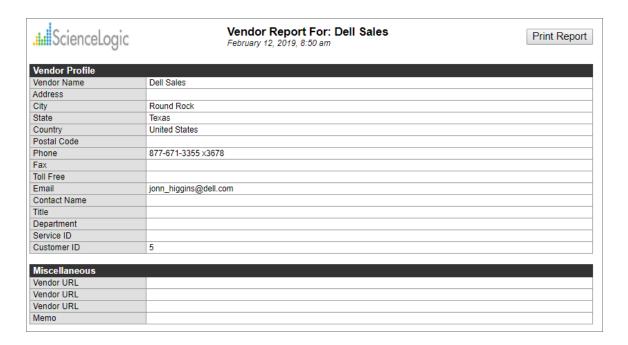


NOTE: If you want to include only certain vendors in the report, use the search fields at the top of each column. You can then click the [Report] button, and only the vendors displayed in the Vendor Manager page will appear in the report.

3. After clicking the **[Report]** option, specify whether you want to save the report to your local computer or open the report immediately. The report will contain all the information displayed in the **Vendor Manager** page.

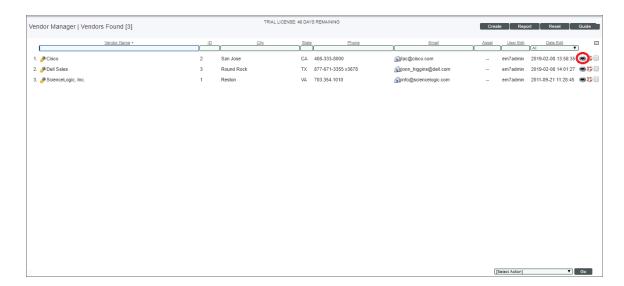
## Generating a Report for a Single Vendor

From the **Vendor Manager** page, you can generate an HTML report for a single vendor. The report displays all the information from the **Vendor Profile** page and the **Vendor Assets** page.



To generate a report for a single vendor:

- 1. Navigate to the **Vendor Manager** page (Registry > Accounts > Vendors).
- 2. In the **Vendor Manager** page, find the vendor for which you want to generate a report. Click its printer icon (10).



3.	An HTML report appears, populated with data from the selected vendor. You can print the report or right-click to save the HTML page.

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