

SL1 Operational Insights – Capacity Management v104

This PowerPack provides Operational Insights into Platform Operations for the SL1 platform.

NOTES:

- This PowerPack requires that all ScienceLogic Appliances be discovered as monitored devices. It is also required that all Data and Message Collector device names match with the Data and Message Collector Appliance names from the Appliances page (System > Settings > Appliances)
- Subscription Licensing should already be setup and all subscription licensing related applications should be aligned with the active DB or the VIP device (for HA or HA+DR systems):
 - Subscription License Usage Totals
- For HA or HA+DR systems the HA VIP should be discovered as a separate device.

The PowerPack contains

- **5 x Dashboards**
- **2 x Widgets**

PowerPack Installation

Following step by step instructions will ensure that you install the PowerPack successfully.

1. Navigate to System > Manage > PowerPacks
2. Select Actions > Import Powerpack
3. Select the PowerPack file and Import
4. Once imported click on the Install button

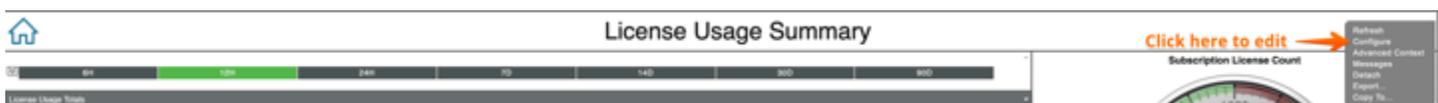
The PowerPack should now be installed on the system.

Dashboard Configuration

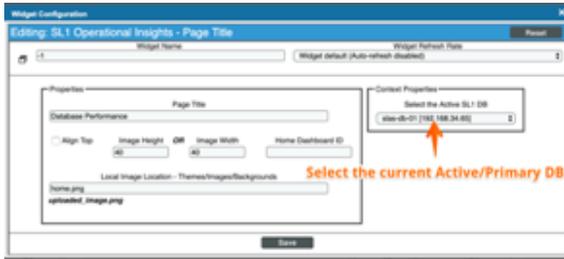
There is one Dashboard that needs minor configurations. The following steps will provide the details to configure the dashboard.

Active DB Context configuration

1. Navigate to the Operational Insights Landing page and open License Usage Summary
2. Edit the Top widget with the Dashboard Name and click configure:



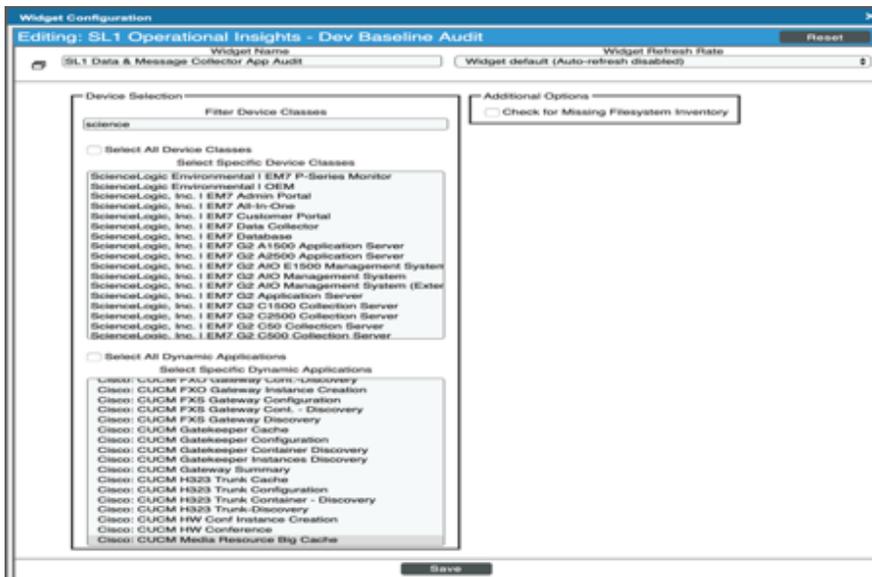
3. Select the current Active/Primary DB from the dropdown



4. Click save to save your changes and exit.
5. Repeat Steps 1-4 for the following Dashboards:
 - a. License Usage by Organization
 - b. License Usage by Device Class
 - c. Baseline Monitoring

Baseline Monitoring Dashboard configuration

- The Baseline Monitoring Dashboard will have to be configured to show the appropriate data:
 - a. This Dashboard provides details about missing dynamic applications from the devices.
 - b. The users can define baselines for different technologies and with the help of this dashboard they can identify which required applications are missing from which devices.
 - c. When editing the dashboard, you can select the dynamic applications that should be aligned with a particular device class as shown below.

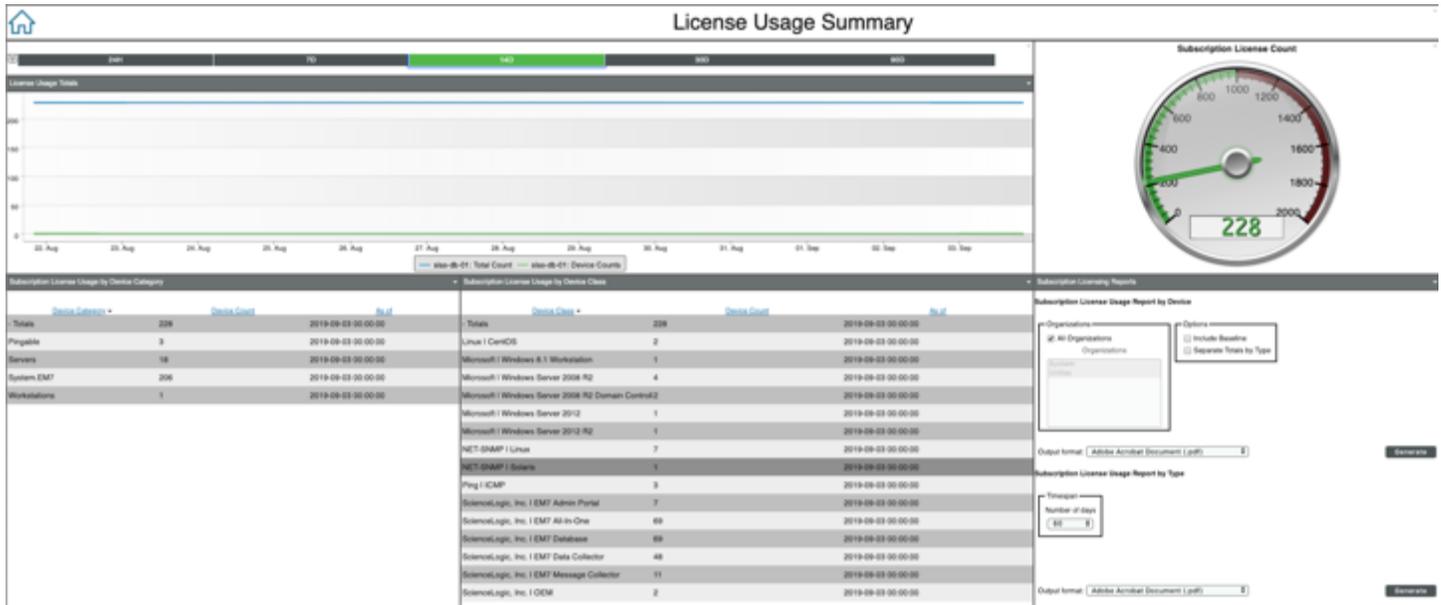


- d. Ideally the result of the Baseline Monitoring Dashboard should be a blank page, but if there are any devices that are missing the dynamic applications configured in the widget (see above) then those devices with the missing dynamic app IDs will be listed in the table.

Dashboard Details

There are 4 Primary Dashboards that are a part of the Capacity Management PowerPack. There is one additional dashboard that is for future use.

License Usage Summary



This dashboard provides quick summary of the systems license usage. You can see the license usage trends for up to 90 days along with the current usage. The dashboard also provides the license usage broken down by device Category and Device Class. There are two out of the box reports that can also be generated via this dashboard.

License Usage by Organization



This dashboard provides details about the devices by Organization. The Dashboard displays the latest calculated tier level for the devices based on the contract.

License Usage by Device Class

License Usage by Device Class

Device Class	ID	Device Name	Device IP	Device Class	Organization	Device Tier
1. Linux CentOS	1	hpung001	--	ScienceLogic, Inc. EM7 Database	System	Standard
2. Microsoft Windows 8.1 Workstation	2	16h-3414	--	ScienceLogic, Inc. EM7 Database	System	Standard
3. Microsoft Windows Server 2008 R2	3	16h-3415	--	ScienceLogic, Inc. EM7 Database	System	Standard
4. Microsoft Windows Server 2008 R2 Domain Controller	4	gfb-1ea0-c6b-34-11	--	ScienceLogic, Inc. EM7 Database	System	Standard
5. Microsoft Windows Server 2012	5	gfb-dev-8b-34-263	--	ScienceLogic, Inc. EM7 Database	System	Standard
6. Microsoft Windows Server 2012 R2	6	hpung002	--	ScienceLogic, Inc. EM7 Database	System	Standard
7. NET-SAMP Linux	7	hpung00r	--	ScienceLogic, Inc. EM7 Database	System	Standard
8. NET-SAMP Solaris	8	gfb-1ea0-c6b-34-7	--	ScienceLogic, Inc. EM7 Database	System	Standard
9. Ping ICMP	9	8-em7-0b01	--	ScienceLogic, Inc. EM7 Database	System	Standard
10. ScienceLogic, Inc. EM7 Admin Portal	10	16h-0b-01	--	ScienceLogic, Inc. EM7 Database	System	Standard
11. ScienceLogic, Inc. EM7 All-In-One	11	re-app0001	--	ScienceLogic, Inc. EM7 Database	System	Standard
12. ScienceLogic, Inc. EM7 Database	12	071-0b1-hadr	--	ScienceLogic, Inc. EM7 Database	System	Standard
13. ScienceLogic, Inc. EM7 Data Collector	13	071-0b1-hadr	--	ScienceLogic, Inc. EM7 Database	System	Standard
14. ScienceLogic, Inc. EM7 Message Collector	14	an-hadr-03	--	ScienceLogic, Inc. EM7 Database	System	Standard
15. ScienceLogic, Inc. OEM	15	an-hadr-02	--	ScienceLogic, Inc. EM7 Database	System	Standard
	16	gfb-34-130	--	ScienceLogic, Inc. EM7 Database	System	Standard

This dashboard is similar to the "License Usage by Organization" but it provides details about the devices by Device Class. The Dashboard displays the latest calculated tier level for the devices based on the contract.

SL1 Baseline Monitoring

SL1 Baseline Monitoring

ID	Device Name	Device Class	Organization	Reason Outside Baseline	Missing Apps
3270	8-em7-0b01	ScienceLogic, Inc. SL1 Database	Default	Missing 8 dynamic apps	<ul style="list-style-type: none"> Support: Platform Statistics [ID: 1303] Support: ScienceLogic Configuration [ID: 1305] Support: Database Sizes [ID: 1306] Support: Configuration Parser (MYCMP) [ID: 1307] Support: Maintenance Tracking [ID: 1308] Support: Datapull Configuration [ID: 1310] Support: Datapull Stats [ID: 1311] Support: Config Push [ID: 1313]
3271	071-0b1-hadr	ScienceLogic, Inc. SL1 Data Collector	Default	Missing 13 dynamic apps	<ul style="list-style-type: none"> Support: Flows Behind [ID: 1300] Support: MySQL Performance [ID: 1302] Support: Platform Statistics [ID: 1303] Support: PT-CheckStats [ID: 1304] Support: ScienceLogic Configuration [ID: 1305] Support: Database Sizes [ID: 1306] Support: Configuration Parser (MYCMP) [ID: 1307] Support: Maintenance Tracking [ID: 1308] Support: InnoDB Size [ID: 1309] Support: Datapull Configuration [ID: 1310] Support: Datapull Stats [ID: 1311] Support: DRBD Proxy Stats [ID: 1312] Support: Config Push [ID: 1313] Support: Flows Behind [ID: 1300] Support: Platform Statistics [ID: 1303] Support: ScienceLogic Configuration [ID: 1305]

This dashboard is very helpful in determining if a set of devices have any missing dynamic applications. The dashboard has two sections showing missing applications for :

- All SL1 Databases Appliances
- All Non Database Appliances

You can make copies of this dashboard for setting up Baselines for other Device Types. Once the dashboard is configured (see the dashboard configuration section of this document) the dashboard will list out any offending devices that have missing dynamic applications that are selected as part of the configuration.

This dashboard should be blank indicating that every device for the selected device class have all the desired applications aligned to them.