

SL1 Operational Insights – Capacity Management v103

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

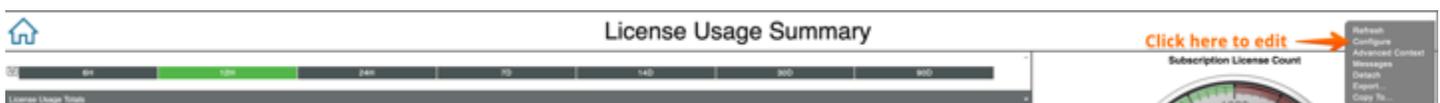
The PowerPack should now be installed on the system.

Dashboard Configuration

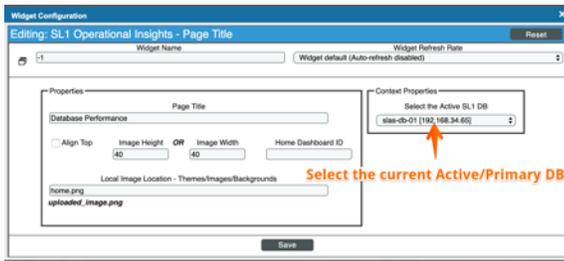
There is one Dashboard that needs minor configurations. The following steps will provide the details to configure the dashboard.

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:



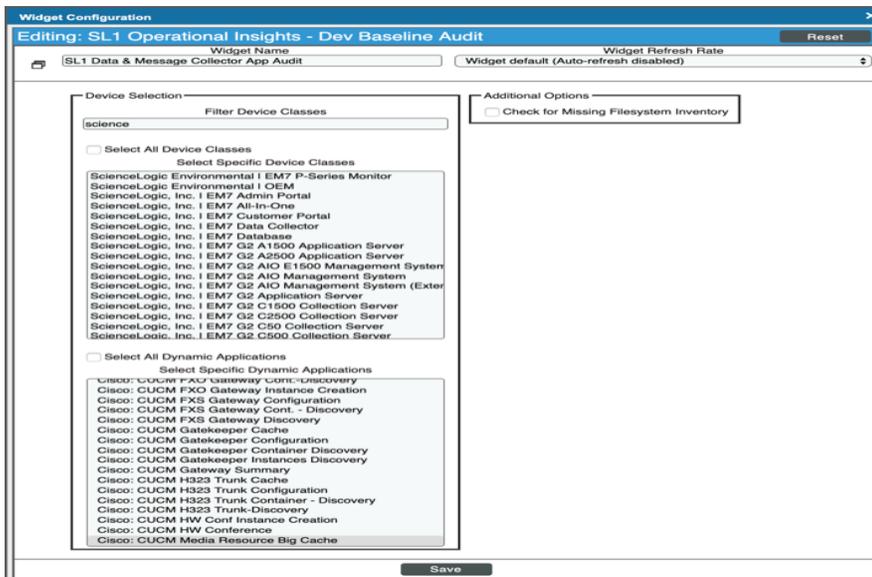
3. Select the current Active/Primary DB from the dropdown



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

1. 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.

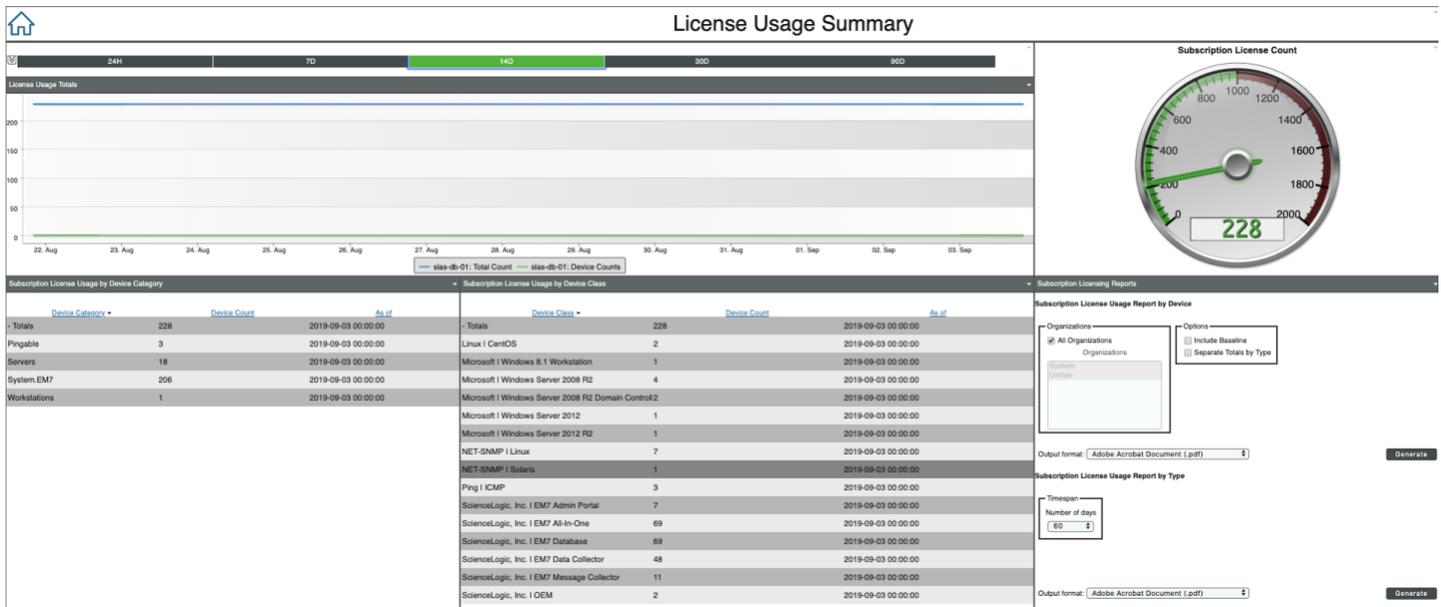


- d. Ideally the result of the Baseline Monitoring Dashboard should be a blank page, but if there are any devices that are missing the dynamic applications configured in the widget (see above) then those devices with the missing dynamic app IDs will be listed in the table.

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.

SL1 Operational Insights – 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.

SL1 Operational Insights – License Usage by Organization

License Usage by Organization

DID	Device Name	Device IP	Device Class	Organization	Device Tier
1	ao2-870-bushy	--	ScienceLogic, Inc. EM7 All-In-One	System	Standard
2	sf1-dc-dr	--	ScienceLogic, Inc. EM7 Data Collector	System	Standard
3	sf1-ap-dr	--	ScienceLogic, Inc. EM7 Admin Portal	System	Standard
4	mc	--	ScienceLogic, Inc. EM7 Message Collector	System	Standard
5	injungdb1	--	ScienceLogic, Inc. EM7 Database	System	Standard
6	col1	--	ScienceLogic, Inc. EM7 Data Collector	System	Standard
7	col2	--	ScienceLogic, Inc. EM7 Data Collector	System	Standard
8	lsh-3419	--	ScienceLogic, Inc. EM7 Message Collector	System	Standard
9	lsh-3414	--	ScienceLogic, Inc. EM7 Database	System	Standard
10	jchuAI0219	--	ScienceLogic, Inc. EM7 All-In-One	System	Standard
11	lsh-3418	--	ScienceLogic, Inc. EM7 Admin Portal	System	Standard
12	lsh-3415	--	ScienceLogic, Inc. EM7 Database	System	Standard
13	jchuAI010	--	ScienceLogic, Inc. EM7 All-In-One	System	Standard
14	gdb-test0-cu6-34-11	--	ScienceLogic, Inc. EM7 Database	System	Standard
15	VB-AIO-34-16	--	ScienceLogic, Inc. EM7 All-In-One	System	Standard
16	gdb-test0-cu7-34-12	--	ScienceLogic, Inc. EM7 Data Collector	System	Standard
17	gdb-test0-cu8-34-13	--	ScienceLogic, Inc. EM7 Data Collector	System	Standard
18	rdw-ao-34-94	--	ScienceLogic, Inc. EM7 All-In-One	System	Standard
19	jchuAI091	--	ScienceLogic, Inc. EM7 All-In-One	System	Standard
20	nwellsCIT85	--	ScienceLogic, Inc. EM7 All-In-One	System	Standard
21	gdb-dev-db-34-253	--	ScienceLogic, Inc. EM7 Database	System	Standard

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

SL1 Operational Insights – License Usage by Device Class

License Usage by Device Class

Device Class	Device Class	Device ID	Device Name	Device IP	Device Class	Organization	Device Tier
1. Linux CentOS	1. injungedb1	--	--	--	ScienceLogic, Inc. EM7 Database	System	Standard
2. Microsoft Windows 8.1 Workstation	2. idh-3414	--	--	--	ScienceLogic, Inc. EM7 Database	System	Standard
3. Microsoft Windows Server 2008 R2	3. idh-3415	--	--	--	ScienceLogic, Inc. EM7 Database	System	Standard
4. Microsoft Windows Server 2008 R2 Domain Controller	4. gdb-test0-cu6-34-11	--	--	--	ScienceLogic, Inc. EM7 Database	System	Standard
5. Microsoft Windows Server 2012	5. gdb-dev-db-34-253	--	--	--	ScienceLogic, Inc. EM7 Database	System	Standard
6. Microsoft Windows Server 2012 R2	6. injungedb2	--	--	--	ScienceLogic, Inc. EM7 Database	System	Standard
7. NET-SNMP Linux	7. injungedr	--	--	--	ScienceLogic, Inc. EM7 Database	System	Standard
8. NET-SNMP Solaris	8. gdb-test0-cu4-34-7	--	--	--	ScienceLogic, Inc. EM7 Database	System	Standard
9. Ping ICMP	9. di-em7-db01	--	--	--	ScienceLogic, Inc. EM7 Database	System	Standard
10. ScienceLogic, Inc. EM7 Admin Portal	10. stas-db-01	--	--	--	ScienceLogic, Inc. EM7 Database	System	Standard
11. ScienceLogic, Inc. EM7 All-In-One	11. rw-appddb1	--	--	--	ScienceLogic, Inc. EM7 Database	System	Standard
12. ScienceLogic, Inc. EM7 Database	12. s1-db1-hadr	--	--	--	ScienceLogic, Inc. EM7 Database	System	Standard
13. ScienceLogic, Inc. EM7 Data Collector	13. s1-db2-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. qi-ha-34-192	--	--	--	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 Operational Insights – Baseline Monitoring

Baseline Monitoring

Device ID	Device Name	Organization	Device Class	Reason: Outside Baseline	Missing Apps
1. 5	injungedb1	System	ScienceLogic, Inc. EM7 Database	Missing 6 dynamic apps	1303, 1305, 1306, 1310, 1311, 1313
2. 9	idh-3414	System	ScienceLogic, Inc. EM7 Database	Missing 6 dynamic apps	1303, 1305, 1306, 1310, 1311, 1313
3. 12	idh-3415	System	ScienceLogic, Inc. EM7 Database	Missing 7 dynamic apps	1300, 1303, 1305, 1306, 1310, 1311, 1313
4. 21	gdb-dev-db-34-253	System	ScienceLogic, Inc. EM7 Database	Missing 6 dynamic apps	1303, 1305, 1306, 1310, 1311, 1313
5. 23	injungedb2	System	ScienceLogic, Inc. EM7 Database	Missing 7 dynamic apps	1300, 1303, 1305, 1306, 1310, 1311, 1313
6. 24	injungedr	System	ScienceLogic, Inc. EM7 Database	Missing 7 dynamic apps	1300, 1303, 1305, 1306, 1310, 1311, 1313
7. 26	gdb-test0-cu4-34-7	System	ScienceLogic, Inc. EM7 Database	Missing 6 dynamic apps	1303, 1305, 1306, 1310, 1311, 1313
8. 33	di-em7-db01	System	ScienceLogic, Inc. EM7 Database	Missing 6 dynamic apps	1303, 1305, 1306, 1310, 1311, 1313
9. 36	stas-db-01	System	ScienceLogic, Inc. EM7 Database	Missing 3 dynamic apps	1305, 1310, 1311
10. 50	rw-appddb1	System	ScienceLogic, Inc. EM7 Database	Missing 6 dynamic apps	1303, 1305, 1306, 1310, 1311, 1313
11. 53	s1-db1-hadr	System	ScienceLogic, Inc. EM7 Database	Missing 6 dynamic apps	1300, 1303, 1305, 1306, 1310, 1311, 1313
12. 55	s1-db2-hadr	System	ScienceLogic, Inc. EM7 Database	Missing 7 dynamic apps	1300, 1303, 1305, 1306, 1310, 1311, 1313
13. 63	an-hadr-02	System	ScienceLogic, Inc. EM7 Database	Missing 7 dynamic apps	1300, 1303, 1305, 1306, 1310, 1311, 1313
14. 64	qi-ha-34-192	System	ScienceLogic, Inc. EM7 Database	Missing 7 dynamic apps	1300, 1303, 1305, 1306, 1310, 1311, 1313

This dashboard is very helpful in determining if a set of devices have any missing dynamic applications. 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 can be duplicated and used to set up baselines for different technologies.

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