Docker: SL1 Dashboards

Docker: SL1 Dashboards PowerPack version 100

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Chapter 1

Introduction

Overview

This manual describes the dashboards and widgets that are included in the *Docker: SL1 Dashboards* PowerPack.

The following sections provide an overview of the *Docker: SL1 Dashboards* PowerPack:

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Docker: SL1 Dashboards PowerPack Contents

The *Docker: SL1 Dashboards* PowerPack includes dashboards that present graphical representations of the configuration data and performance metrics that are collected for Docker containers by the *Docker* PowerPack.

NOTE: These dashboards are intended for use only in the new SL1 user interface and will not load in the classic ScienceLogic platform user interface. To access the new SL1 user interface, type **/ap2** at the end of the URL or IP address you use to access the classic ScienceLogic platform user interface.

NOTE: The *Docker: SL1 Dashboards* PowerPack requires a minimum AP2 version of 5.114.6 and minimum widget components version of 2.168.10. You can view the version information on the **Content Management** page (Manage > Content Management) of the new SL1 user interface.

Installing the Required PowerPacks

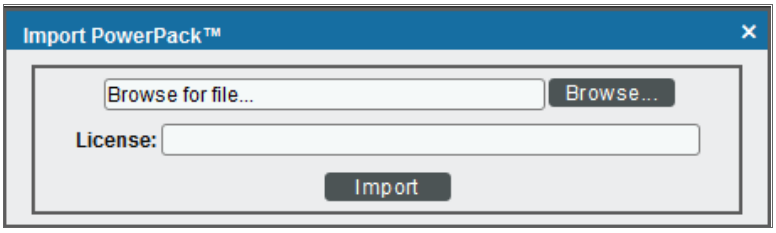
The *Docker: SL1 Dashboards* PowerPack includes dashboards that present device data that is collected for your server and network devices by the *Docker* PowerPack. Before completing the steps in this manual, you must import and install the following PowerPacks:

- *Docker* PowerPack version 105 or greater
- *Docker: SL1 Dashboards* PowerPack version 100

TIP: By default, installing a new version of a PowerPack overwrites all content from a previous version of that PowerPack that has already been installed on the target system. You can use the ***Enable Selective PowerPack Field Protection*** setting in the **Behavior Settings** page (System > Settings > Behavior) to prevent new PowerPacks from overwriting local changes for some commonly customized fields. (For more information, see the ***System Administration*** manual.)

To download and install a PowerPack:

1. Download the PowerPack from the ScienceLogic Customer Portal.
2. Go to the **PowerPack Manager** page (System > Manage > PowerPacks).
3. In the **PowerPack Manager** page, click the **[Actions]** button, then select *Import PowerPack*.
4. The **Import PowerPack** dialog box appears:



5. Click the **[Browse]** button and navigate to the PowerPack file.
6. When the **PowerPack Installer** modal page appears, click the **[Install]** button to install the PowerPack.

NOTE: If you exit the **PowerPack Installer** modal page without installing the imported PowerPack, the imported PowerPack will not appear in the **PowerPack Manager** page. However, the imported PowerPack will appear in the **Imported PowerPacks** modal page. This page appears when you click the **[Actions]** menu and select *Install PowerPack*.

Chapter 2

Viewing the Docker SL1 Dashboards

Overview

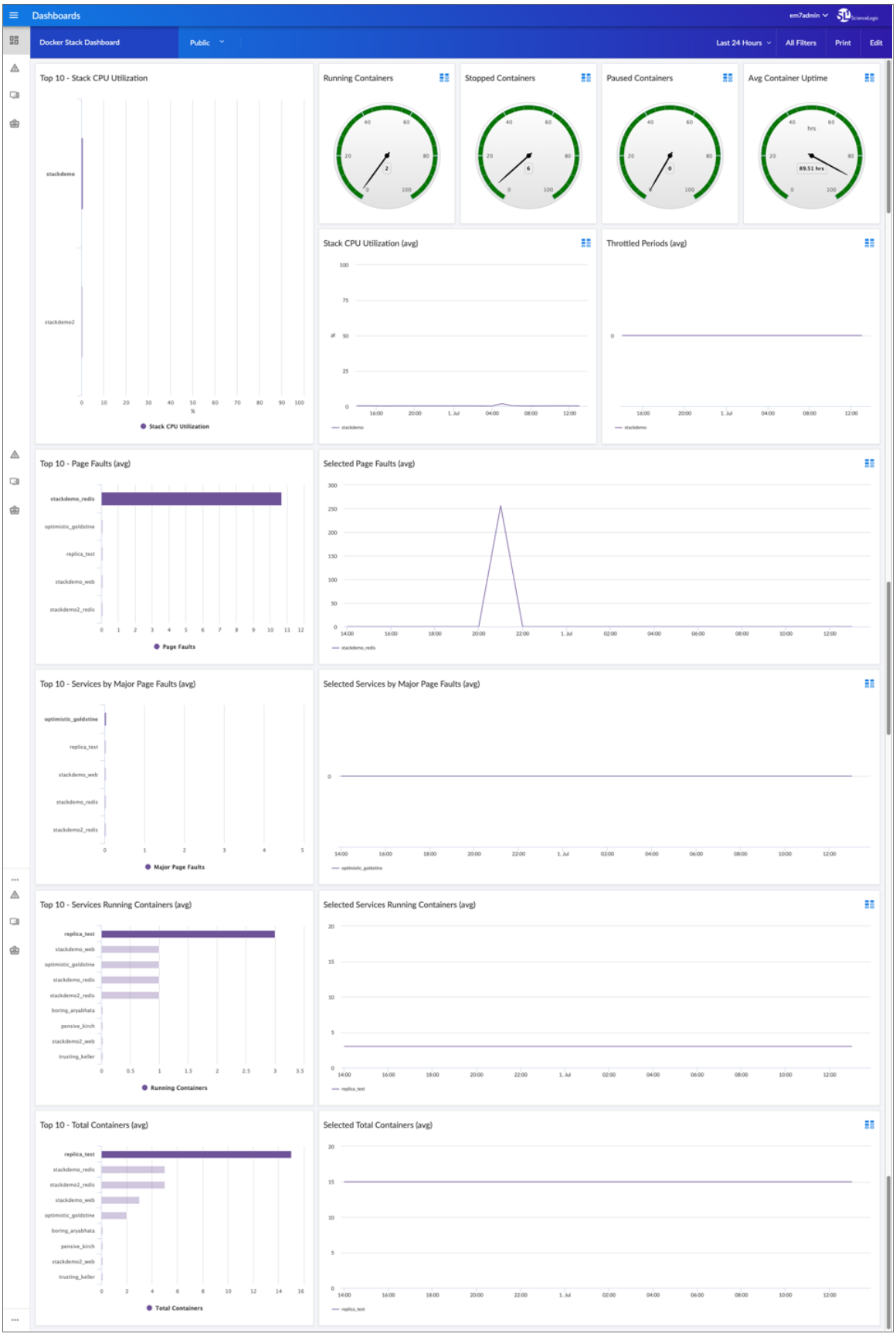
The following sections describe the dashboards and widgets that are included in the *Docker: SL1 Dashboards* PowerPack:

Docker Stack Dashboard 6

Docker Service Dashboard 8

Docker Stack Dashboard

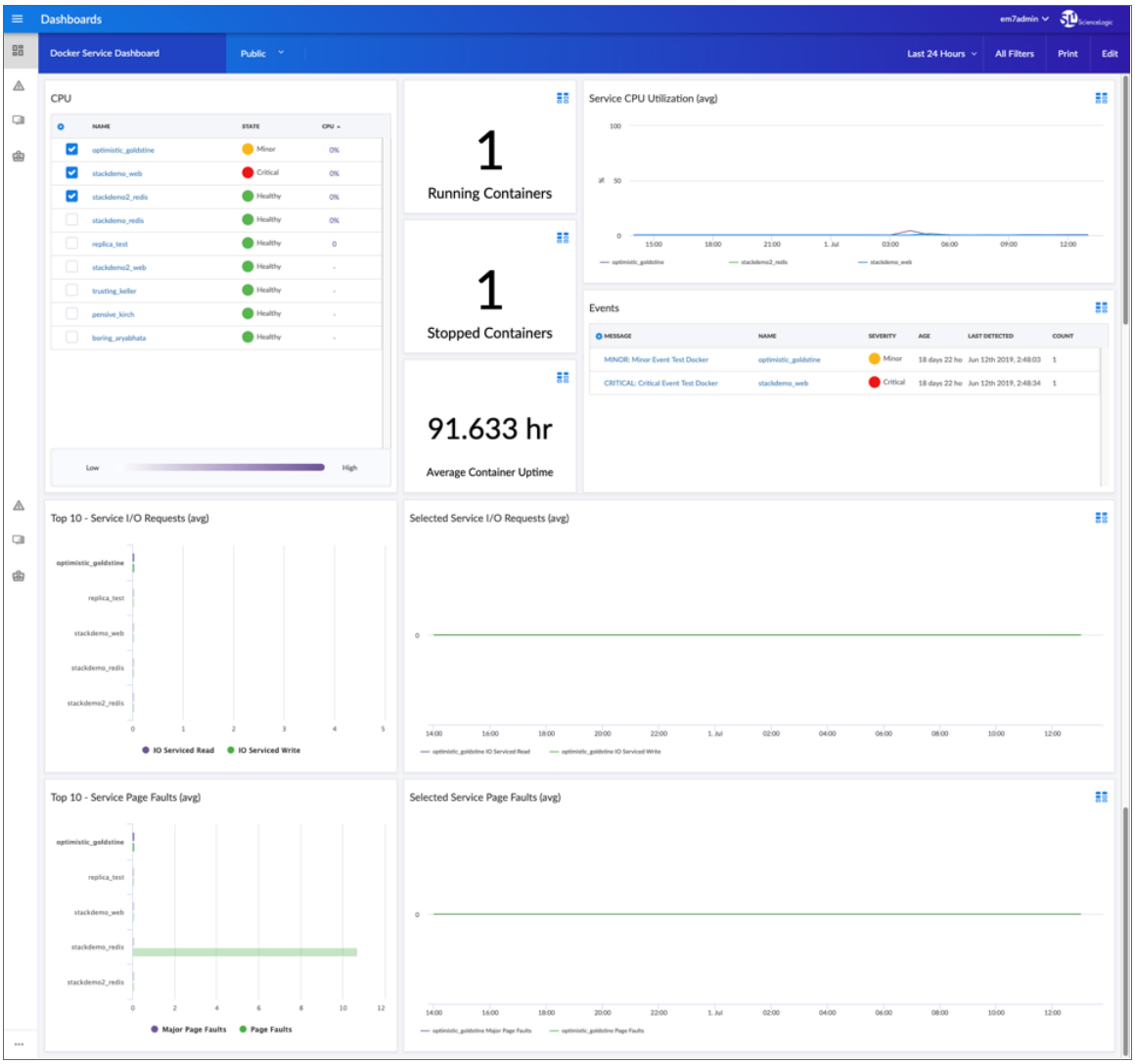
The "Docker Stack" dashboard provides information about your Docker stack:


Dashboards
em7admin
Docker Stack Dashboard
Public
Last 24 Hours
All Filters
Print
Edit
Top 10 - Stack CPU Utilization
stackdemo
stackdemo2
Stack CPU Utilization
Running Containers
Stopped Containers
Paused Containers
Avg Container Uptime
89.51 hrs
Stack CPU Utilization (avg)
Throttled Periods (avg)
Top 10 - Page Faults (avg)
stackdemo_redis
optimistic_goldstine
replica_test
stackdemo_web
stackdemo2_redis
Page Faults
Selected Page Faults (avg)
Top 10 - Services by Major Page Faults (avg)
Major Page Faults
Selected Services by Major Page Faults (avg)
Top 10 - Services Running Containers (avg)
boring_aryabhata
pensive_kirch
stackdemo2_web
trusting_keller
Running Containers
Selected Services Running Containers (avg)
Top 10 - Total Containers (avg)
Total Containers
Selected Total Containers (avg)

- ***Top 10 - Stack CPU Utilization.*** A list of the top 10 stacks based on CPU utilization during the selected time period. This "leaderboard" widget controls what data appears in other widgets. To view additional statistics for a stack, click its name.
- ***Running Containers***. A gauge displaying the number of running containers.
- ***Stopped Containers***. A gauge displaying the number of stopped containers.
- ***Paused Containers***. A gauge displaying the number of paused containers.
- ***Avg Container Uptime***. A gauge displaying the average container uptime.
- ***Stack CPU Utilization***. A graph displaying stack CPU utilization over a specified period of time.
- ***Throttled Periods***. A graph displaying throttled periods over a specified period of time.
- ***Top 10 - Page Faults***. A list of the top 10 stacks based on the number of page faults during the selected time period. This "leaderboard" widget controls what data appears in other widgets. To view additional statistics for a stack, click its name.
- ***Selected Page Faults***. A graph displaying page faults over a specified period of time.
- ***Top 10 - Services by Major Page Faults***. A list of the top 10 stacks based on the number of major page faults during the selected time period. This "leaderboard" widget controls what data appears in other widgets. To view additional statistics for a stack, click its name.
- ***Selected Services by Major Page Faults***. A graph displaying major page faults over a specified period of time.
- ***Top 10 - Services Running Containers***. A list of the top 10 stacks based on the number of running containers during the selected time period. This "leaderboard" widget controls what data appears in other widgets. To view additional statistics for a stack, click its name.
- ***Selected Services Running Containers***. A graph displaying running containers over a specified period of time.
- ***Top 10 - Total Containers***. A list of the top 10 stacks based on the number of total containers during the selected time period. This "leaderboard" widget controls what data appears in other widgets. To view additional statistics for a stack, click its name.

Docker Service Dashboard

The "Docker Service" dashboard provides data about the health of your Docker services. It includes the following widgets:



- ***CPU.*** A table of available service CPUs that displays the name, state, and percentage used for each service CPU. This "leaderboard" widget controls what data appears in the other widgets. To view dashboard data for a service CPU, select its checkbox. You can select more than one pod at a time.
- ***Running Containers.*** A widget displaying the number of running containers.
- ***Stopped Containers.*** A widget displaying the number of stopped containers.
- ***Average Container Uptime.*** A widget displaying the average container uptime.
- ***Service CPU Utilization.*** A graph displaying service CPU utilization for a service over a specified period of time.
- ***Events.*** A table displaying events associated with the selected service CPU(s).
- ***Top 10 - Throttled Periods.*** A list of the top 10 service CPUs based on the number of throttled periods during the selected time period. This "leaderboard" widget controls what data appears in other widgets. To view additional statistics for a service CPU, click its name.
- ***Selected Throttled Periods***. A graph displaying throttled periods over a specified period of time.

- ***Top 10 - Service I/O Requests.*** A list of the top 10 service CPUs based on the number of input and output requests during the selected time period. This "leaderboard" widget controls what data appears in other widgets. To view additional statistics for a service CPU, click its name.
- ***Selected Service I/O Requests.*** A graph displaying service input and output requests over a specified period of time.
- ***Top 10 - Service Page Faults.*** A list of the top 10 service CPUs based on the number of page faults during the selected time period. This "leaderboard" widget controls what data appears in other widgets. To view additional statistics for a service CPU, click its name.
- ***Selected Service Page Faults.*** A graph displaying service page faults over a specified period of time.

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