EMC: VNX SL1 Dashboards PowerPack Release Notes

Version 102

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Overview

Version 102 is the initial version of the *EMC: VNX SL1 Dashboards* PowerPack. Version 102 includes Dashboards that present graphical representations of the configuration data and performance metrics that are collected for EMC VNX devices by the *EMC: VNX* 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.

- **Minimum Required SL1 Version**: 8.12.1
- **Minimum Required AP2 Version**: 5.155.0-hotfix.8
- **Minimum Required Widget Components Version**: 2.185.0-hotfix.3
- **Minimum Required *EMC: VNX* PowerPack Version**: 101
- **Support Status**: Beta

This document describes:

- *Pre-install information*
- *The installation process for the PowerPack*
- *The features included in version 102*

Before You Install

Before installing the *EMC: VNX SL1 Dashboards* PowerPack version 102, you must first ensure that you are running version 8.12.1 or later of SL1, AP2 version 5.155.0-hotfix.8 or later, and Widget Components version 2.185.0-hotfix.3 or later.

NOTE: For details on upgrading SL1, see the appropriate SL1 Release Notes.

You must also import and install the *EMC: VNX* PowerPack version 101 or later before installing the *EMC: VNX SL1 Dashboards* PowerPack version 102.

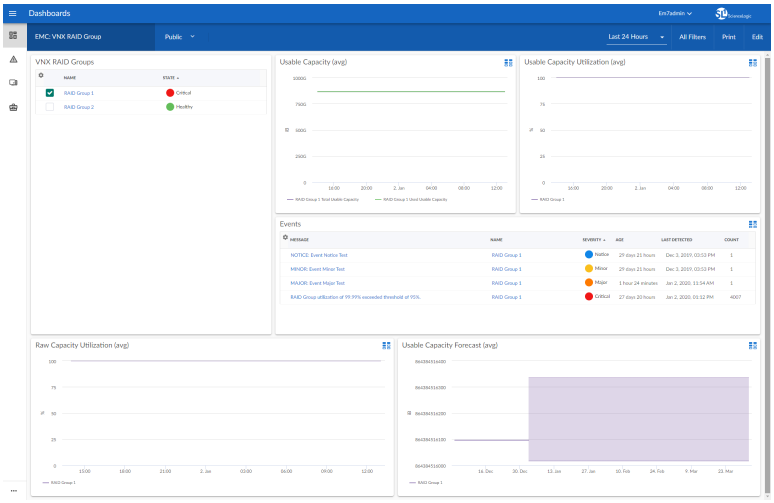
Installation Process

To install version 102 of the *EMC: VNX SL1 Dashboards* PowerPack, perform the following steps:

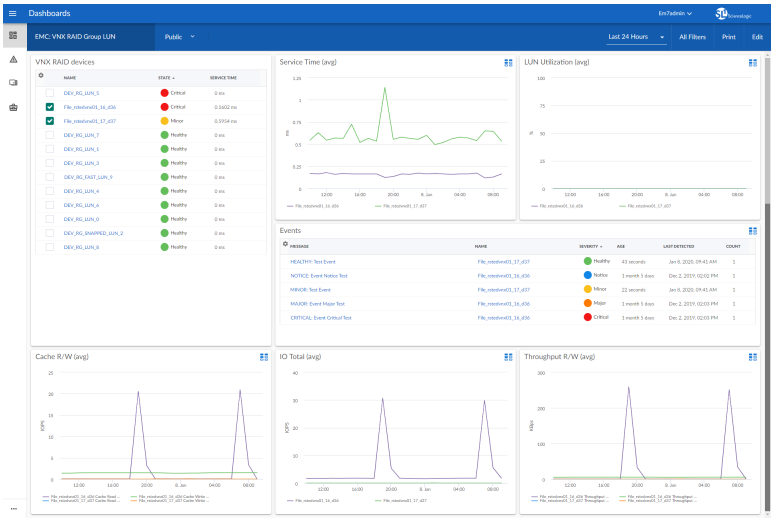
1. If you have not done so already, upgrade your SL1 system to the 8.12.1 or later release.
2. If you have not done so already, install the *EMC: VNX* PowerPack version 101 or greater.
3. Download version 102 of the *EMC: VNX SL1 Dashboards* PowerPack from the Customer Portal to a local computer.
4. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. When prompted, import version 102 of the *EMC: VNX SL1 Dashboards* PowerPack.
5. After importing the PowerPack, you will be prompted to install the PowerPack. Click the **[Install]** button to install the PowerPack.

Included Features

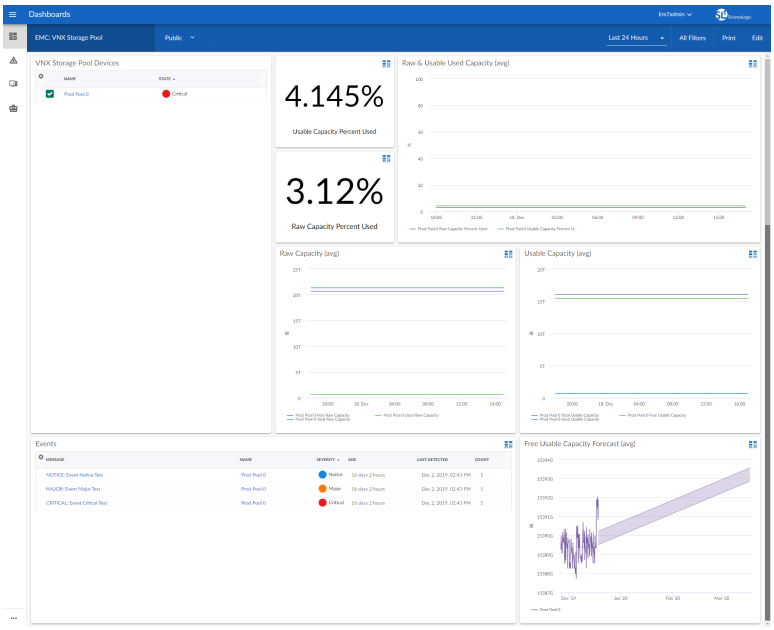
The following dashboards are included in version 102 of the *EMC: VNX SL1 Dashboards* PowerPack:



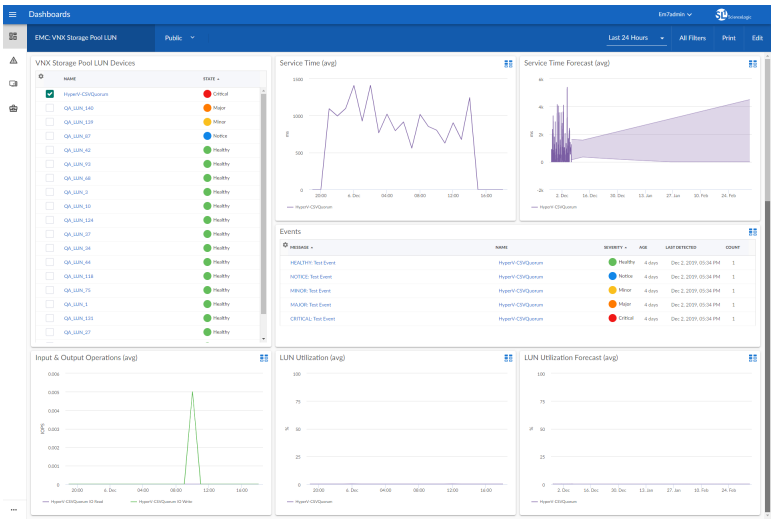
- An "EMC: VNX RAID Group" dashboard, which includes the following widgets that display overview data about your VNX RAID Groups:
    - VNX RAID Groups
    - Usable Capacity (avg)
    - Usable Capacity Utilization (avg)
    - Events
    - Raw Capacity Utilization (avg)
    - Usable Capacity Forecast (avg)



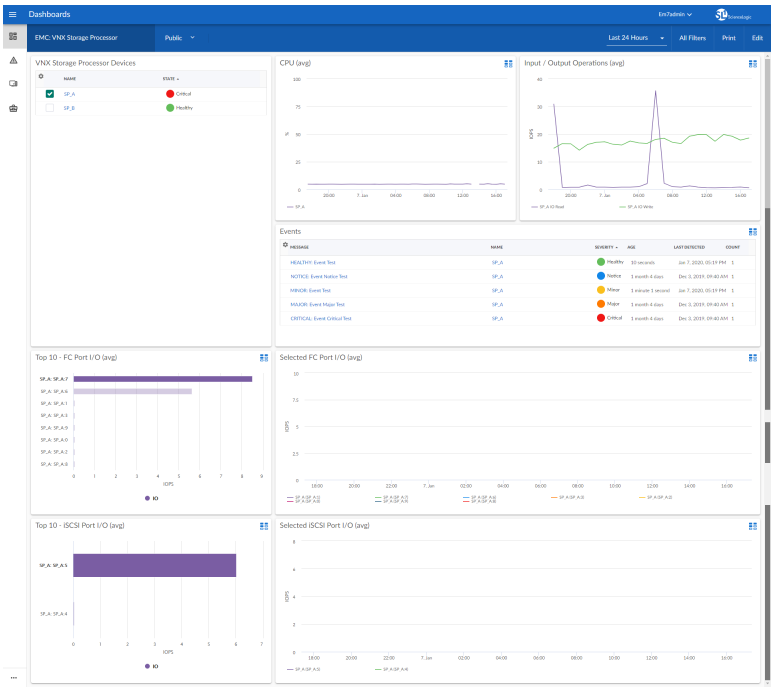
- An "EMC: VNX RAID Group LUN" dashboard, which includes the following widgets that display data about your VNX RAID devices:
    - VNX RAID Devices
    - Service Time (avg)
    - LUN Utilization (avg)
    - Events
    - Cache R/W (avg)
    - IO Total (avg)
    - Throughput R/W (avg)



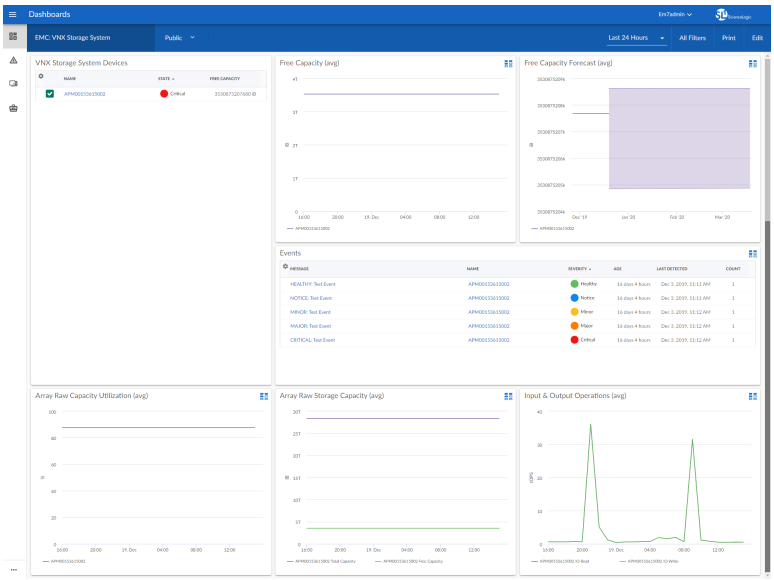
- An "EMC: VNX Storage Pool" dashboard, which includes the following widgets that display data about your VNX storage pools:
    - VNX Storage Pool Devices
    - Usable Capacity Percent Used
    - Raw Capacity Percent Used
    - Raw & Usable Used Capacity (avg)
    - Raw Capacity (avg)
    - Usable Capacity (avg)
    - Events
    - Free Usable Capacity Forecast (avg)



- An "EMC: VNX Storage Pool LUN" dashboard, which includes the following widgets that display data about your VNX storage pool LUN devices:
    - VNX Storage Pool LUN Devices
    - Service Time (avg)
    - Service Time Forecast (avg)
    - Events
    - Input & Output Operations (avg)
    - LUN Utilization (avg)
    - LUN Utilization Forecast (avg)



- An "EMC: VNX Storage Processor" dashboard, which includes the following widgets that display data about your VNX storage processor devices:
    - VNX Storage Processor Devices
    - CPU (avg)
    - Input / Output Operations (avg)
    - Events
    - Top 10 - FC Port I/O (avg)
    - Selected FC Port I/O (avg)
    - Top 10 - iSCSI Port I/O (avg)
    - Selected iSCSI Port I/O (avg)



- An "EMC: VNX Storage System" dashboard, which includes the following widgets that display data about your VNX storage systems:
    - VNX Storage System Devices
    - Free Capacity (avg)
    - Free Capacity Forecast (avg)
    - Events
    - Array Raw Capacity Utilization (avg)
    - Array Raw Storage Capacity (avg)
    - Input & Output Operations (avg)

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