

F5 BIG-IP: SL1 Dashboards PowerPack Release Notes

Version 105

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Overview

Version 105 of the F5 BIG-IP: SL1 Dashboards PowerPack includes Device Investigators that present graphical representations of the configuration data and performance metrics that are collected for a selected F5: BIG-IP device by the F5: BIG-IP 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: 10.2
- Minimum Required AP2 Version: 6.12.63
- Minimum Required Widget Components Version: 2.220.9
- Minimum Required F5 BIG-IP PowerPack Version: 103
- Support Status: Beta

This document describes:

- Pre-install information
- The installation process for the PowerPack
- The features included in version 105
- The enhancements and issues addressed in version 105

Before You Install

Before installing the F5 BIG-IP: SL1 Dashboards PowerPack version 105, you must first ensure that you are running version 10.2 or later of SL1, AP2 version 6.12.63 or later, and Widget Components version 2.220.9 or later.

NOTE: For details on upgrading SL1, se	e the appropriate SL1	Release Notes.
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You must also import and install the F5 BIG-IP PowerPack version 103 or later before installing the F5 BIG-IP: SL1 Dashboards PowerPack version 105.

Installation Process

To install version 105 of the F5 BIG-IP: SL1 Dashboards PowerPack, perform the following steps:

- 1. If you have not done so already, upgrade your SL1 system to the 10.2 or later release.
- 2. If you have not done so already, install the F5 BIG-IP PowerPack version 103 or greater.
- 3. Download version 105 of the F5 BIG-IP: 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 105 of the *F5 BIG-IP*: *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 and device investigators are included in version 105 of the F5 BIG-IP: SL1 Dashboards PowerPack:

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- An "F5: BIG-IP LTM Root Investigator" device investigator, which includes the following panels that display overview data about your selected F5 Big-IP LTM root:
 - \circ Overview
 - Latency (s)
 - Events
 - Availability (%)
 - Combined Charts
 - Physical Memory Utilization
 - Swap Memory Utilization
 - CPU Utilization (%)
 - Combined Charts
 - F5 BIG-IP LTM: Component Counts: LTM Node Count
 - F5 BIG-IP LTM: Component Counts: LTM Pool Count
 - F5 BIG-IP LTM: Component Counts: LTM Virtual Server Count
 - F5 BIG-IP LTM: Component Counts: LTM Pool Member Count

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- An "F5: BIG-IP LTM Node Investigator" device investigator, which includes the following panels that display data about your selected F5 Big-IP node:
 - Overview
 - Combined Charts
 - F5 BIG-IP LTM: Node Performance: Server Side Bytes Received
 - F5 BIG-IP LTM: Node Performance: Server Side Bytes Sent
 - Events
 - Combined Charts
 - F5 BIG-IP LTM: Node Performance: PVA Bytes Received
 - F5 BIG-IP LTM: Node Performance: PVA Bytes Sent
 - Combined Charts
 - F5 BIG-IP LTM: Node Performance: Server Side Packets Received
 - F5 BIG-IP LTM: Node Performance: Server Side Packets Sent
 - F5 BIG-IP LTM: Node Performance: PVA Packets Received
 - F5 BIG-IP LTM: Node Performance: PVA Packets Sent
 - Combined Charts
 - F5 BIG-IP LTM: Node Performance: Max Connections from Server Side
 - F5 BIG-IP LTM: Node Performance: Server Side Current Connections
 - F5 BIG-IP LTM: Node Performance: PVA Current Connections

• F5 BIG-IP LTM: Node Performance: Current Sessions

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- An "F5: BIG-IP LTM Pool Investigator" device investigator, which includes the following panels that display data about your selected F5 Big-IP pool:
 - Overview
 - F5 BIG-IP LTM: Pool Performance: Total Number of Requests
 - Events
 - Combined Charts
 - F5 BIG-IP LTM: Pool Performance: Bytes Received from Server Side
 - F5 BIG-IP LTM: Pool Performance: Bytes Sent to Server Side
 - F5 BIG-IP LTM: Pool Performance: Maximum Connections from Server Side
 - F5 BIG-IP LTM: Pool Performance: Current Connections from Server Side
 - F5 BIG-IP LTM: Pool Performance: Total Connections from Server Side

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- An "F5: BIG-IP LTM Pool Member Investigator" device investigator, which includes the following panels that display data about your selected F5 Big-IP pool member:
 - Overview
 - Combined Charts:
 - F5 BIG-IP LTM: Pool Member Performance: Server Side Bytes Received
 - F5 BIG-IP LTM: Pool Member Performance: Server Side Bytes Sent
 - \circ Events
 - Combined Charts
 - F5 BIG-IP LTM: Pool Member Performance: PVA Bytes Sent
 - F5 BIG-IP LTM: Pool Member Performance: PVA Bytes Received
 - Combined Charts
 - F5 BIG-IP LTM: Pool Member Performance: Server Side Packets Sent
 - F5 BIG-IP LTM: Pool Member Performance: Server Side Packets Received
 - F5 BIG-IP LTM: Pool Member Performance: PVA Packets Sent
 - F5 BIG-IP LTM: Pool Member Performance: PVA Packets Received
 - Combined Charts
 - F5 BIG-IP LTM: Pool Member Performance: PVA Total Connections
 - F5 BIG-IP LTM: Pool Member Performance: PVA Current Connections
 - F5 BIG-IP LTM: Pool Member Performance: Server Side Total Connections
 - F5 BIG-IP LTM: Pool Member Performance: Server Side Current Connections

• F5 BIG-IP LTM: Pool Member Performance: Total Connections Partially Accelerated

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- An "F5: BIG-IP LTM Virtual Server Investigator" device investigator, which includes the following panels that display data about your selected F5 Big-IP server:
 - Overview
 - F5 BIG-IP LTM: Virtual Server Performance: Virtual Server Availability (%)
 - Events
 - Combined Charts:
 - F5 BIG-IP LTM: Virtual Server Performance: Bytes Received from Client Side
 - F5 BIG-IP LTM: Virtual Server Performance: Bytes Sent to Client
 - Combined Charts:
 - F5 BIG-IP LTM: Virtual Server Performance: Total Bytes Sent
 - F5 BIG-IP LTM: Virtual Server Performance: Total Bytes Received
 - Combined Charts:
 - F5 BIG-IP LTM: Virtual Server Performance: Packets Sent to Client
 - F5 BIG-IP LTM: Virtual Server Performance: Packets Received from Client Side
 - F5 BIG-IP LTM: Virtual Server Performance: Ephemeral Packets Received by Virtual Server
 - F5 BIG-IP LTM: Virtual Server Performance: Ephemeral Packets Transmitted for Virtual Server
 - Combined Charts:

- F5 BIG-IP LTM: Virtual Server Performance: Current Connections from Client Side
- F5 BIG-IP LTM: Virtual Server Performance: Connections from Client Side
- F5 BIG-IP LTM: Virtual Server Performance: Ephemeral Bytes Received for Virtual Server

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- An "F5 Big-IP" dashboard, which includes the following widgets that display overview data about your F5 Big-IP devices:
 - F5 Big IP Devices
 - LTM Pool Count
 - LTM Pool Member Count
 - LTM Virtual IP Count
 - LTM Virtual Server Count
 - Vitals (avg)
 - $\circ \ \ \, Events$
 - Storage Usage (avg)

- Forwarded Traffic (avg)
- Memory Usage TMM and Host (avg)
- CPU Forecast (avg)
- Memory Utilization Forecast (avg)
- Top 10 Network Usage (avg)
- Selected Network Usage (avg)

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- An "F5: Virtual Server" dashboard, which includes the following widgets that display data about your F5 Big-IP virtual servers:
 - Virtual Server Devices
 - Availability
 - Forwarded Traffic
 - Events
 - Requests
 - $\circ \ \ \, Errors$
 - Connections

- Virtual Server Status
- Virtual Server Network
- Virtual Server Configuration

Dashboards		en7admin 🗸 🔁 _{More}
		Last 24 Hours - All Filters Print
Pool Performance List		Availability (ave)
NAME	574.7F	Availability (avg)
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Top 10 - Member Sessions (avg)		Selected Member Sessions (avg)
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Top 10 - Member Requests (avg)	1	Selected Member Requests (avg)
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node-172-002-000-025-0		
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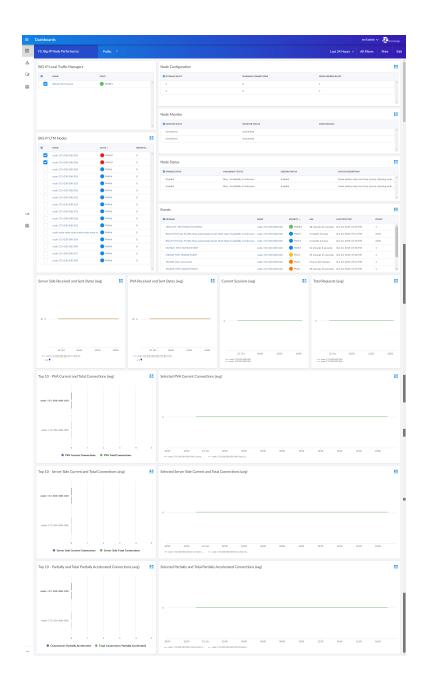
- An "F5: Pool Performance" dashboard, which includes the following widgets that display data about your F5 Big-IP pools:
 - Pool Performance List
 - Availability (avg)

- Event Table
- Forwarded Traffic (avg)
- Connections (avg)
- Requests (avg)
- Top 10 Member Sessions (avg)
- Selected Member Sessions (avg)
- Top 10 PVA Total Connections (avg)
- Selected PVA Total Connections (avg)
- Top 10 Member Requests (avg)
- Selected Member Requests (avg)
- Pool Status Table
- Pool Configuration Table
- Load Balancing Queues Table
- Member Configuration Table

	Last 24 Hours 🗸 All Filte	
Pool Member List	Forwarded Traffic	
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node-172-030-000-026/0		
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Top 10 - Connections	🔢 Selected Connections 🔢 Age of Oldest Queue Entry	
mode-172-030-000-024-9		
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- An "F5: Pool Member Performance" dashboard, which includes the following widgets that display data about your F5 Big-IP pool members:
 - Pool Member List
 - Forwarded Traffic
 - Events
 - Top 10 Connections
 - Selected Connections
 - Age of Oldest Queue Entry
 - Current Sessions
 - Duration of Connection Rate Exceeded

- Requests
- Top 10 Node Sessions
- Selected Node Sessions
- Top 10 Node Requests
- Selected Node Requests
- Pool Member Status
- Pool Member Network Configuration
- Pool Member Properties
- Pool Rule



- An "F5: Big-IP Node Performance" dashboard, which includes the following widgets that display data about your F5 Big-IP nodes:
 - Big-IP Local Traffic Managers
 - Big-IP LTM Nodes
 - Node Configuration
 - Node Monitor
 - Node Status
 - Events

- Server Side Received and Sent Bytes (avg)
- PVA Received and Sent Bytes (avg)
- Current Sessions (avg)
- Total Requests (avg)
- Top 10 PVA Current and Total Connections (avg)
- Selected PVA Current Connections (avg)
- Top 10 Server Side Current and Total Connections (avg)
- Selected Server Side Current and Total Connections (avg)
- Top 10 Partially and Total Partially Accelerated Connections (avg)
- Selected Partially and Total Partially Accelerated Connections (avg)

Enhancements and Issues Addressed

The following enhancements and addressed issues are included in version 105 of the F5 BIG-IP: SL1 Dashboards PowerPack:

- The following device investigators were added to the PowerPack:
 - F5 BIG-IP LTM Root Investigator
 - F5 BIG-IP LTM Node Investigator
 - F5 BIG-IP LTM Pool Investigator
 - F5 BIG-IP LTM Pool Member Investigator
 - F5 BIG-IP LTM Virtual Server Investigator

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