



Monitoring IBM MQ

IBM: MQ PowerPack version 100

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Chapter

1

Introduction

Overview

This manual describes how to monitor IBM MQ messaging systems in SL1 using the *IBM: MQ PowerPack*.

The following sections provide an overview of IBM MQ and the *IBM: MQ PowerPack*:

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What is IBM MQ?

The IBM MQ is message-queuing middleware that supports messaging between applications, systems, services, and files. An IBM MQ messaging system is made up of one or more queue managers that support asynchronous routing of messages between systems, with producing and consuming applications connected to different queue managers.

What Does the IBM: MQ PowerPack Monitor?

To monitor IBM MQ messaging systems using SL1, you must install the *IBM: MQ PowerPack*. This PowerPack enables you to discover, model, and collect data about IBM MQ messaging systems.

The *IBM: MQ PowerPack* includes:

- Example credentials you can use as a template to create a PowerShell credential or an SSH/Key credential to connect to the IBM MQ messaging system you want to monitor
- Dynamic Applications to discover, model, and monitor performance metrics and collect configuration data for IBM MQ messaging systems
- Device Classes for the IBM MQ components that the SL1 monitors
- Event Policies and corresponding alerts that are triggered when IBM MQ systems meet certain status criteria

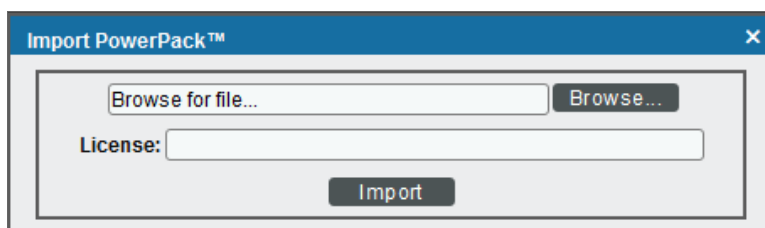
Installing the IBM: MQ PowerPack

Before completing the steps in this manual, you must import and install the latest version of the *IBM: MQ PowerPack*.

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 appears, click the **[Install]** button to install the PowerPack.

NOTE: If you exit the **PowerPack Installer** modal 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. This page appears when you click the **[Actions]** menu and select *Install PowerPack*.

Chapter

2

Configuration and Discovery

Overview

The following sections describe how to configure and discover IBM MQ messaging systems for monitoring by SL1 using the *IBM: MQ PowerPack*:

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Prerequisites for Monitoring IBM MQ

To configure the SL1 system to monitor IBM MQ messaging systems using the *IBM: MQ PowerPack*, you must first perform the following:

- *Install the IBM MQ PowerShell Snap-in for Monitoring on Windows Servers*
- Give all users the "mgm" group permission

Installing the IBM MQ PowerShell Snap-In for Monitoring on Windows Servers

NOTE: Users monitoring MQ on Linux servers do not need to perform these steps.

NOTE: On 64-bit versions of Microsoft Windows, both 32-bit and 64-bit versions of Windows PowerShell are installed. SL1's collection processes using Windows PowerShell will default to using the version of powershell.exe whose folder exists first in the PATH environment variable. Because this will vary from system to system, these steps ensure the WebSphereMQ.dll file is registered for both Windows PowerShell environments.

1. Download the Windows PowerShell library package (mo74.zip) for IBM MQ from the following location:
<https://www.ibm.com/support/pages/mo74-websphere-mq-windows-powershell-library#:~:text=Download%20Description,queue%20managers%20from%20the%20PowerShell>
2. Extract the contents of the zip file to your Windows server, and find the "manual" subfolder from the extracted files (under the mo74_v2.0.1_x86_x64 folder). Create a new folder on your desktop and move the files in the "manual" subfolder to that folder.
3. Register the IBM WebSphere MQ library for use by both 32-bit and 64-bit Windows PowerShell. To do this:

- Start a 32-bit Windows PowerShell console window (this will be the Windows PowerShell (x86) application if running on a 64-bit version of Microsoft Windows) using "Run as administrator", run the following:

```
%WINDIR%\Microsoft.NET\Framework\v4.0.30319\installutil <Directory where  
WebsphereMQ.dll resides>\WebSphereMQ.dll
```

- Start a 64-bit Windows PowerShell console window (this will be the Windows PowerShell application without (x86) in its program name on a 64-bit version of Microsoft Windows) using "Run as administrator" and run the following:

```
%WINDIR%\Microsoft.NET\Framework64\v4.0.30319\installutil <Directory where  
WebsphereMQ.dll resides>\WebSphereMQ.dll
```

4. Open your Windows PowerShell console and add the WebSphere MQ for PowerShell snap-in by running the following command:

```
Add-PSSnapin IBM.PowerShell.WebSphereMQ
```

Creating a PowerShell Credential for IBM MQ on Windows Systems

To configure SL1 to monitor IBM MQ messaging systems on Windows systems, you must first create a PowerShell credential. This credential allows the Dynamic Applications in the *IBM: MQ PowerPack* to connect with an IBM MQ system.

The PowerPack includes an example PowerShell credential that you can edit for your own use.

To configure a PowerShell credential to access an IBM MQ system:

1. Go to the **Credential Management** page (System > Manage > Credentials).
2. Locate the **IBM MQ PowerShell - Example** credential, then click its wrench icon (🔧). The **Edit PowerShell Credential** modal page appears:

The screenshot shows a 'Credential Editor [168]' window with the following fields and values:

- Basic Settings:**
 - Profile Name: IBM MQ PowerShell - Example
 - Account Type: [Active Directory]
 - Hostname/IP: %D
 - Timeout(ms): 10000
 - Username: USERNAME_GOES_HERE
 - Password: [masked]
 - Encrypted: [no]
 - Port: 5985
 - PowerShell Proxy Hostname/IP: [empty]
- Active Directory Settings:**
 - Active Directory Hostname/IP: AD_HOSTNAME_GOES_HERE
 - Domain: DOMAIN_GOES_HERE

Buttons: New, Reset, Save, Save As

3. Complete the following fields:
 - **Credential Name.** Type a name for the IBM MQ credential.
 - **Hostname/IP.** Leave at the default value of '%D'.
 - **Username.** Type the username for a user with administrator access to the IBM MQ messaging system.
 - **Password.** Type the password for the IBM MQ system account username.
4. Click the **[Save As]** button.

Creating an SSH/Key Credential for IBM MQ on Linux Systems

To configure SL1 to monitor IBM MQ messaging systems on Linux systems, you must first create an SSH/Key credential. This credential allows the Dynamic Applications in the *IBM: MQ PowerPack* to connect with an IBM MQ system.

The PowerPack includes an example SSH/Key credential that you can edit for your own use.

To configure an SSH/Key credential to access an IBM MQ system:

1. Go to the **Credential Management** page (System > Manage > Credentials).
2. Locate the **IBM MQ SSH - Example** credential, then click its wrench icon (🔧). The **Edit SSH/Key Credential** modal page appears:

The screenshot shows a window titled "Credential Editor [167]". Inside, there's a sub-header "Edit SSH/Key Credential #167" with "New" and "Reset" buttons. The main area is labeled "Basic Settings" and contains several input fields: "Credential Name" (with the value "IBM MQ SSH - Example"), "Hostname/IP" (with the value "%D"), "Port" (with the value "22"), "Timeout(ms)" (with the value "3000"), "Username" (with the value "USERNAME_HERE"), and "Password" (with masked characters "*****"). Below these is a large text area for "Private Key (PEM Format)". At the bottom, there are "Save" and "Save As" buttons.

3. Complete the following fields:
 - **Credential Name.** Type a name for the IBM MQ credential.
 - **Hostname/IP.** Leave at the default value of '%D'.
 - **Username.** Type the username for a user with administrator access, and who is a member of the "mgm" group, to the IBM MQ messaging system.
 - **Password.** Type the password for the IBM MQ system account username.
4. Click the **[Save As]** button.

Discovering IBM MQ Component Devices

To discover an IBM MQ messaging system:

1. Go to the **Discovery Control Panel** page (System > Manage > Discovery).
2. In the **Discovery Control Panel**, click the **[Create]** button. The **Discovery Session Editor** page appears.

The screenshot shows the 'Discovery Session Editor | Editing Session [5]' window. It is divided into several sections:

- Identification Information:** Name field contains '10.2.10.100 Windows', Description field is empty.
- IP and Credentials:** IP Address/Hostname Discovery List contains '10.2.10.100'. Below it are fields for 'SNMP Credentials' and 'Other Credentials'. The 'Other Credentials' list includes 'EM7 DB', 'LDAP/AD', and 'PowerShell' with 'IBM MQ PowerShell - Example' selected.
- Detection and Scanning:** Initial Scan Level, Scan Throttle, Port Scan All IPs, and Port Scan Timeout are all set to '[System Default (recommended)]'. The 'Detection Method & Port' list has '[Default Method]' selected. Below are 'Interface Inventory Timeout (ms)' set to '600000' and 'Maximum Allowed Interfaces' set to '10000'. A 'Bypass Interface Inventory' checkbox is unchecked.
- Basic Settings:** 'Discover Non-SNMP' and 'Model Devices' checkboxes are checked. 'Device Model Cache TTL (h)' is set to '2'. 'Collection Server PID' is set to '4'. 'Organization' is set to '[MQ WIN.100]'. There is an 'Add Devices to Device Group(s)' section with a list containing 'None', 'LayerX Appliances', and 'Servers'. At the bottom, there is an 'Apply Device Template' dropdown set to '[Choose a Template]'.

Buttons for 'New', 'Reset', 'Save', 'Save As', and 'Log All' (checked) are visible at the bottom of the window.

3. In the **Discovery Session Editor** page, complete the following fields:
 - **Name.** Type a name for the discovery session.
 - **IP Address/Hostname Discovery List.** Type the IP address for the IBM MQ messaging system.
 - **Other Credentials.** Select the PowerShell or SSH/Key credential you created for the IBM MQ messaging system.
 - **Discover Non-SNMP.** Select this checkbox.
 - **Model Devices.** Select this checkbox.
4. Optionally, you can enter values in the other fields on this page. For more information about the other fields on this page, see the **Discovery & Credentials** manual.
5. Click the **[Save]** button to save the discovery session and then close the **Discovery Session Editor** window.

- The discovery session you created appears at the top of the **Discovery Control Panel** page. Click its lightning-bolt icon (⚡) to run the discovery session.
- The **Discovery Session** window appears. When the cluster root device(s) are discovered, click the device icon (🖥️) to view the **Device Properties** page for each device.

Verifying Discovery and Dynamic Application Alignment

To verify that SL1 has automatically aligned the correct Dynamic Applications during discovery:

- After discovery has completed, click the device icon for the IBM MQ device (🖥️). From the **Device Properties** page for the IBM MQ device, click the **[Collections]** tab. The **Dynamic Application Collections** page appears.
- All applicable Dynamic Applications for the device are automatically aligned during discovery.

NOTE: It can take several minutes after the discovery session has completed for Dynamic Applications to appear in the **Dynamic Application Collections** page.

Dynamic Application™ Collections								Expand	Actions	Reset	Guide
	ID	Poll Frequency	Type	Credential	Collector						
+ IBM: MQ Discovery	2863	5 mins	Snippet Configuration	IBM Windows .100	RNG-MIG-C-CU7	⚡					
+ Microsoft: Windows DCIM+R Relationship	1295	15 mins	Snippet Configuration	IBM Windows .100	RNG-MIG-C-CU7	⚡					
+ Microsoft: Windows Server Service Configuration	1635	5 mins	Snippet Configuration	IBM Windows .100	RNG-MIG-C-CU7	⚡					
+ Microsoft: Windows Server Process List	1298	120 mins	Snippet Journal	IBM Windows .100	RNG-MIG-C-CU7	⚡					
+ Microsoft: Windows Server CPU Performance	1299	5 mins	PowerShell Performance	IBM Windows .100	RNG-MIG-C-CU7	⚡					
+ Microsoft: Windows Server Disk Performance	1306	15 mins	PowerShell Performance	IBM Windows .100	RNG-MIG-C-CU7	⚡					
+ Microsoft: Windows Server Interface Performance	1307	5 mins	PowerShell Performance	IBM Windows .100	RNG-MIG-C-CU7	⚡					
+ Microsoft: Windows Server Memory Performance	1300	5 mins	PowerShell Performance	IBM Windows .100	RNG-MIG-C-CU7	⚡					
+ Microsoft: Windows Server BIOS Configuration	1308	360 mins	PowerShell Config	IBM Windows .100	RNG-MIG-C-CU7	⚡					
+ Microsoft: Windows Server CPU Configuration	1301	360 mins	PowerShell Config	IBM Windows .100	RNG-MIG-C-CU7	⚡					
+ Microsoft: Windows Server Disk Configuration	1305	360 mins	PowerShell Config	IBM Windows .100	RNG-MIG-C-CU7	⚡					
+ Microsoft: Windows Server Interface Configuration	1297	360 mins	PowerShell Config	IBM Windows .100	RNG-MIG-C-CU7	⚡					
+ Microsoft: Windows Server Memory Configuration	1302	360 mins	PowerShell Config	IBM Windows .100	RNG-MIG-C-CU7	⚡					
+ Microsoft: Windows Server OS Configuration	1304	5 mins	PowerShell Config	IBM Windows .100	RNG-MIG-C-CU7	⚡					
+ Microsoft: Windows Server Software Configuration	1303	60 mins	PowerShell Config	IBM Windows .100	RNG-MIG-C-CU7	⚡					

[Select Action] [Go]

Save

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You should see the following Dynamic Applications aligned to the IBM MQ root device:

- IBM: MQ Discovery

You should see the following Dynamic Applications aligned to the IBM MQ server:

- IBM: MQ Queue Manager Discovery

You should see the following Dynamic Applications aligned to the IBM MQ queue managers:

- IBM: MQ Cluster Channel Configuration

NOTE: For Windows users, in the "IBM: MQ Cluster Channel Configuration" Dynamic Application, when a channel is configured with a cluster and that cluster is deleted, the status for that cluster cannot be returned.

NOTE: For Windows users, in the "IBM: MQ Cluster Channel Configuration" Dynamic Application, the "CLUSSDRA" and "CLUSSDRB" are shown as "CLUSSDR".

- IBM: MQ Channel Configuration
- IBM: MQ Queue Discovery

NOTE: For Windows users, the "IBM: MQ Discovery" Dynamic Application currently does not return "Connections", "Parent Queue Manager", or "Start Date" metrics. On some MQ installations, SL1 may be unable to collect the "Standby Host" property.

- IBM: MQ Queue Manager Configuration

NOTE: For Windows users, the "IBM: MQ Queue Manager Configuration" Dynamic Application currently does not return "Connections", "Parent Queue Manager", or "Start Date" metrics.

You should see the following Dynamic Applications aligned to the IBM MQ queues:

- IBM: MQ Queue Configuration
- IBM: MQ Queue Performance

If the listed Dynamic Applications have not been automatically aligned during discovery, you can align them manually. To do so, perform the following steps:

1. Click the **[Action]** button and then select *Add Dynamic Application*. The **Dynamic Application Alignment** page appears:
2. In the **Dynamic Applications** field, select the Dynamic Application you want to align.
3. In the **Credentials** field, select the credential specified in the table.

4. Click the **[Save]** button.
5. Repeat steps 1-4 for the other unaligned Dynamic Applications.

Configuring the IBM: MQ Queue Discovery Snippet

The "IBM: MQ Queue Discovery" Dynamic Application snippet allows you to customize the list of queue names and types of queues that SL1 will discover. Up to 20 queue names can be specified, and those names will be discovered under each queue manager where they are found.

For specifying queue types, an integer can be specified as one item in the list, and the allowed values for type are:

- 1 : Dead letter queue will be discovered
- 2 : Transmission queues will be discovered

To edit the snippet:

1. Go to the **Dynamic Applications Manager** page (System > Manage > Applications).
2. Find the "IBM: MQ Discovery" Dynamic Application and click its wrench icon (🔧).
3. In the **Dynamic Applications Properties Editor**, click the **[Snippets]** tab.
4. In the **Dynamic Applications Snippet Editor & Registry** page, click the wrench icon (🔧) of the "Discover-QueueManagers" snippet.
5. The content of the snippet will appear. Add the following text to the snippet to customize the list of queue names and queue types that can be discovered:

```
QUEUES_TO_DISCOVER = ['<queue name>', '<queue name>', '<queue type>']
```



Use commas to separate queue names and queue types.

```
# QUEUES_TO_DISCOVER: customizable list of queue names and types
# of queues SL1 will discover. Up to 20 queue names can be specified,
# and such names will be discovered under each queue manager where
# they are found. For specifying queue types, an integer can be specified
# as one item in the list, and the allowed values for type are:
#
# 1 : Dead letter queue will be discovered
# 2 : Transmission queues will be discovered
#
#
QUEUES_TO_DISCOVER = [ 'SYSTEM.ADMIN.CHANNEL.EVENT',
                      'SYSTEM.ADMIN.COMMAND.EVENT',
                      'SYSTEM.CHANNEL.INITQ',
                      'SYSTEM.CLUSTER.TRANSMIT.QUEUE',
                      'SYSTEM.CLUSTER.COMMAND.QUEUE', 1, 2, 'Q1_LOCAL', 'Q2_LOCAL', 'Q1_LOCAL_CL', 'Q1' ]
```

Configuring the IBM: MQ Error Log Configuration Snippet

By default, only some errors are monitored and alerted in SL1. The IDs of the errors supported can be found in the snippet of the "IBM: MQ Error Log Configuration" Dynamic Application. You can add other error messages by adding the alert ID to the ALERT_ID_LIST list in the snippet.

To edit the snippet:

1. Go to the **Dynamic Applications Manager** page (System > Manage > Applications).
2. Find the "IBM: MQ Error Log Configuration" Dynamic Application and click its wrench icon () .
3. In the **Dynamic Applications Properties Editor**, click the **[Snippets]** tab.
4. In the **Dynamic Applications Snippet Editor & Registry** page, click the wrench icon () of the "Get-ErrorLogRecords" snippet.
5. The content of the snippet will appear. Add the alert IDs you want added to the ALERT_ID_LIST in the snippet:


```
def _log(trace, ui_debug=True):
    if ui_debug:
        self.logger.ui_debug("[App {}] {}: {}".format(self.app_id,
                                                    self.app_name, trace))
    else:
        self.logger.debug("[App {}] {}: {}".format(self.app_id, self.app_name,
                                                    trace))

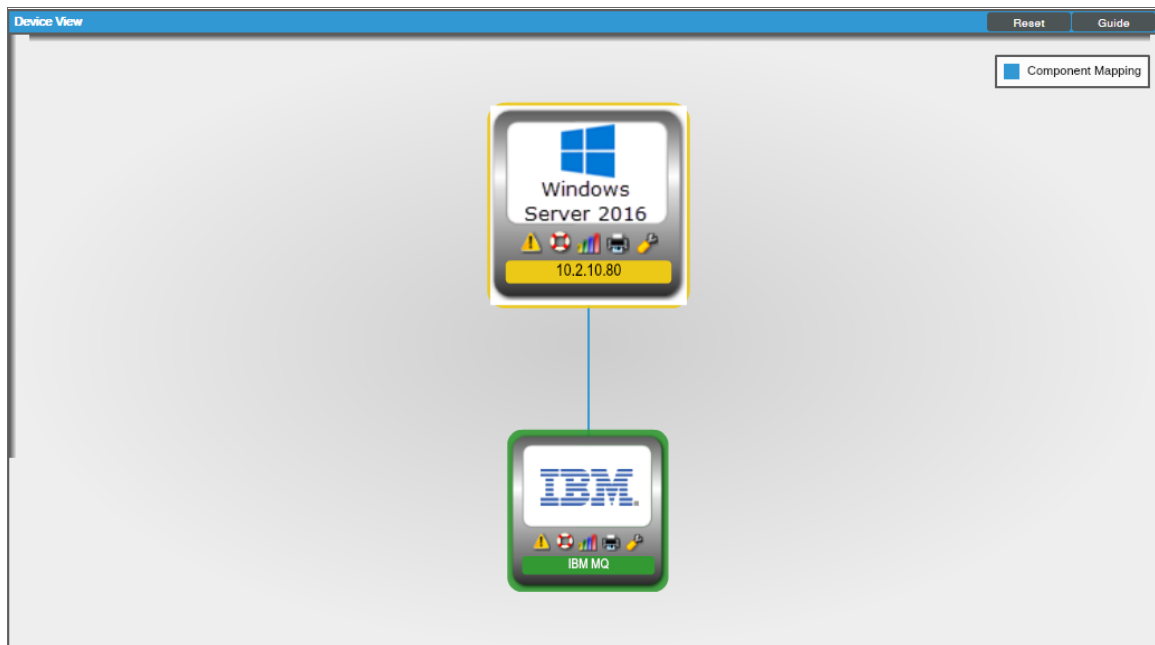
# This is a list with the alert ids that we want to read from IBM MQ logs file
ALERT_ID_LIST = ['AMQ5657W', 'AMQ8077W', 'AMQ5053W', 'AMQ6184W', 'AMQ6183W', 'AMQ6090I',
                 'AMQ4038W', 'AMQ4036W', 'AMQ4034W', 'AMQ4032W', 'AMQ5005E', 'AMQ5006E',
                 'AMQ5008S', 'AMQ5050S', 'AMQ5009S', 'AMQ5038S', 'AMQ5042E', 'AMQ5057E',
                 'AMQ5501E', 'AMQ5522E', 'AMQ5527E', 'AMQ5529E', 'AMQ9526E', 'AMQ9503E',
                 'AMQ9228E', 'AMQ9213E', 'AMQ9209E', 'AMQ9208E', 'AMQ9202E', 'AMQ8101S',
                 'AMQ6125E', 'AMQ6119S']

error_log_path = {"Windows": "C:\ProgramData\IBM\MQ\errors", "Linux": "/var/mqm/errors"}
```

Viewing IBM MQ Component Devices

In addition to the **Device Manager** page (Registry > Devices > Device Manager), you can view the IBM MQ system and all associated component devices in the following places in the user interface:

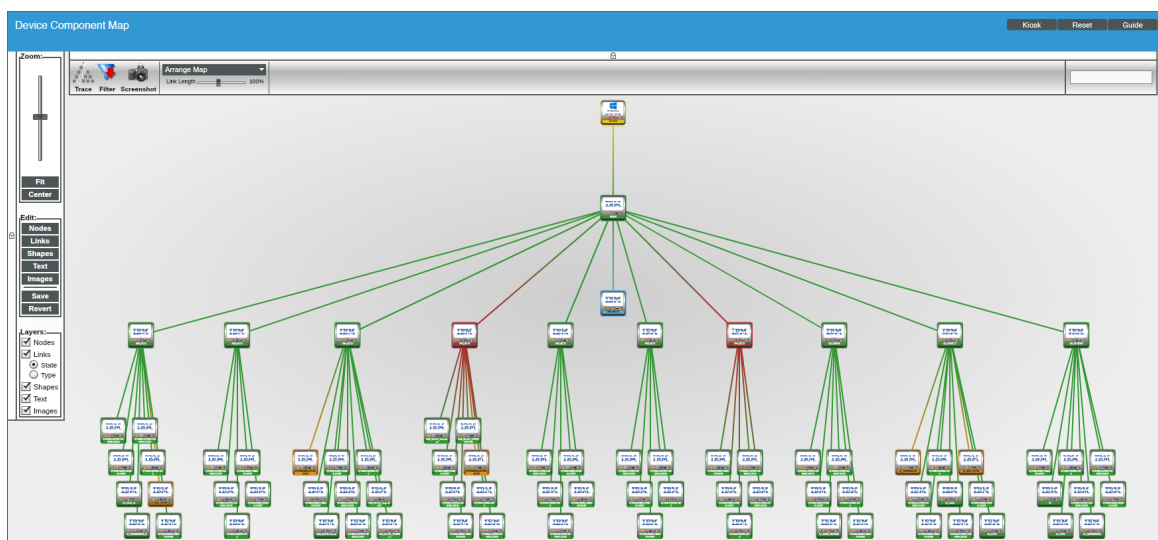
- The **Device View** modal page (click the bar-graph icon  for a device, then click the **Topology** tab) displays a map of a particular device and all of the devices with which it has parent-child relationships. Double-clicking any of the devices listed reloads the page to make the selected device the primary device:



- The **Device Components** page (Registry > Devices > Device Components) displays a list of all root devices and component devices discovered by SL1 in an indented view, so you can easily view the hierarchy and relationships between child devices, parent devices, and root devices. To view the component devices associated with an IBM MQ system, find the IBM MQ device and click its plus icon (+):

Device Name	IP Address	Device Category	Device Class / Sub-class	DD	Organization	Current State	Collection Group	Collection State
10.2.10.66	10.2.10.66	Servers	Linux Ubuntu 16.04.2 LTS	3924	MQ_LINUX_66	Major	CUB	Active
IBM MQ	--	Servers	IBM MQ Server	3926	MQ_LINUX_66	Healthy	CUB	Active
DEVCLUSTER OMGR	--	Software	IBM MQ Full-Repository OMGR	3955	MQ_LINUX_66	Healthy	CUB	Active
SYSTEM ADMIN CHANNEL EVENT	--	Volume	IBM MQ Local Queue	4094	MQ_LINUX_66	Healthy	CUB	Active
SYSTEM ADMIN COMMAND EVENT	--	Volume	IBM MQ Local Queue	4113	MQ_LINUX_66	Healthy	CUB	Active
SYSTEM CHANNEL INITO	--	Volume	IBM MQ Local Queue	4098	MQ_LINUX_66	Healthy	CUB	Active
SYSTEM CLUSTER COMMAND QUEUE	--	Volume	IBM MQ Local Queue	4101	MQ_LINUX_66	Healthy	CUB	Active
SYSTEM CLUSTER TRANSMIT QUEUE	--	Volume	IBM MQ Transmission Queue	4109	MQ_LINUX_66	Healthy	CUB	Active
SYSTEM DEAD LETTER QUEUE	--	Volume	IBM MQ Dead-Letter Queue	4105	MQ_LINUX_66	Healthy	CUB	Active
DEVQMGR	--	Software	IBM MQ QMGR	3929	MQ_LINUX_66	Healthy	CUB	Active
DEV1 CLUSTER OMGR	--	Software	IBM MQ Full-Repository OMGR	3952	MQ_LINUX_66	Healthy	CUB	Active
DEV_SENDER	--	Software	IBM MQ OMGR	3937	MQ_LINUX_66	Healthy	CUB	Active
QM_CLUSTER_MULTI	--	Software	IBM MQ Full-Repository OMGR	3954	MQ_LINUX_66	Critical	CUB	Active
QM2_CLUSTER_MULTI	--	Software	IBM MQ Full-Repository OMGR	3933	MQ_LINUX_66	Critical	CUB	Active
OMGR1 QHC OWNER	--	Software	IBM MQ QMGR	3931	MQ_LINUX_66	Healthy	CUB	Active
QM_FULL_TEST01	--	Software	IBM MQ Full-Repository OMGR	3947	MQ_LINUX_66	Critical	CUB	Active
QM_FULL_TEST02	--	Software	IBM MQ Full-Repository OMGR	3945	MQ_LINUX_66	Critical	CUB	Active
QM_PARTIAL_TEST01	--	Software	IBM MQ Partial-Repository OMGR	3943	MQ_LINUX_66	Critical	CUB	Active
QM_PERF_T1	--	Software	IBM MQ QMGR	3941	MQ_LINUX_66	Healthy	CUB	Active
QM_RECEIVER	--	Software	IBM MQ QMGR	3956	MQ_LINUX_66	Healthy	CUB	Active

- The **Component Map** page (Classic Maps > Device Maps > Components) allows you to view devices by root node and view the relationships between root nodes, parent components, and child components in a map. This makes it easy to visualize and manage root nodes and their components. SL1 automatically updates the **Component Map** as new component devices are discovered. The platform also updates each map with the latest status and event information. To view the map for an IBM MQ system, go to the **Component Map** page and select the map from the list in the left NavBar. To learn more about the **Component Map** page, see the **Views** manual.



Chapter

3

Dashboards

Overview

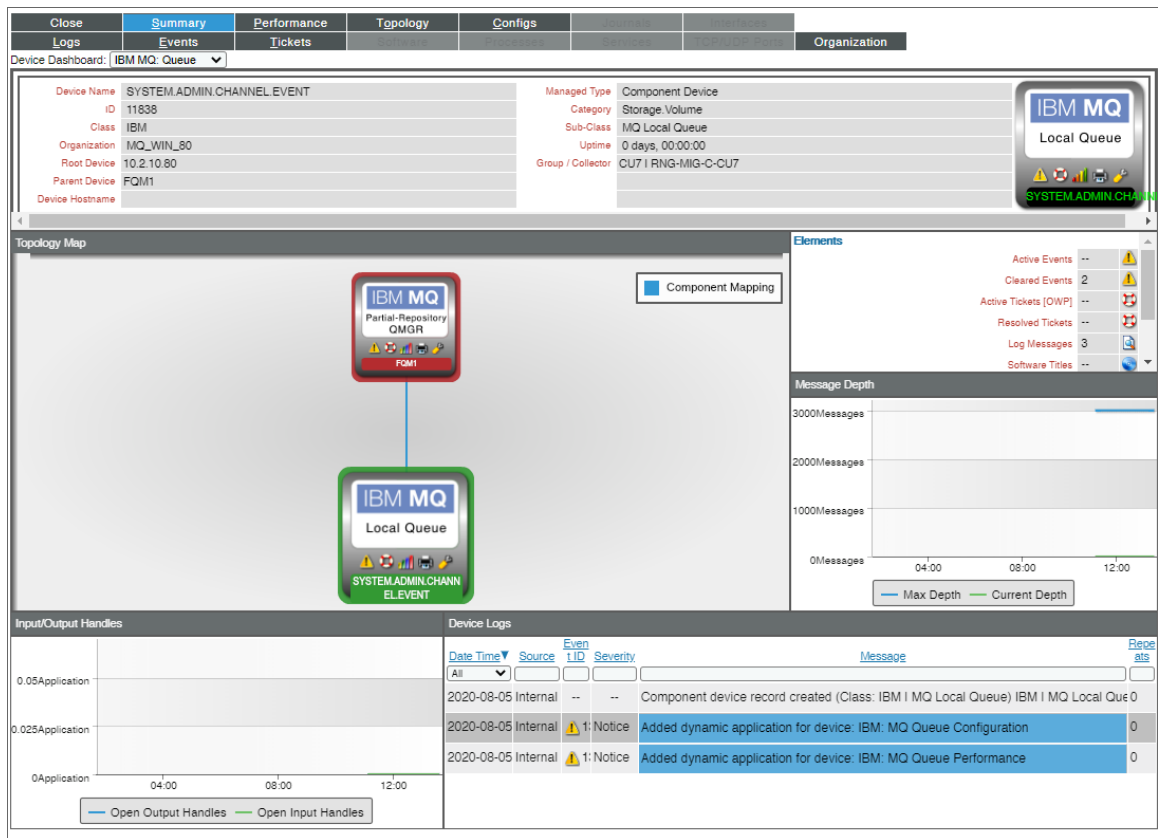
The *IBM: MQ PowerPack* contains device dashboards that present data related to your message queues and queue managers.

The following section provides a description of each dashboard:

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IBM MQ Device Dashboards

IBM MQ: Queue



The IBM MQ: Queue device dashboard displays the following information:

- A topology map of your queue
- A line graph that displays message depth
- A line graph that displays input and output handles
- A list of device logs displaying events

IBM MQ: Queue Manager

Device Dashboard: IBM MQ: Queue Manager

Device Name	FQM1	Managed Type	Component Device
ID	11780	Category	Servers, Software
Class	IBM	Sub-Class	MQ Partial-Repository QMGR
Organization	MQ_WIN_80	Uptime	0 days, 00:00:00
Root Device	10.2.10.80	Group / Collector	CU71 RNG-MIG-C-CU7
Parent Device	IBM MQ		
Device Hostname			

Topology Map

Elements

Active Events	4
Cleared Events	7
Active Tickets [OWP]	--
Resolved Tickets	--
Log Messages	132
Software Titles	--
Processes	--
Services	--
TCP Ports	--

XMITQ Message Depths

Device Logs

Date Time	Source	Event ID	Severity	Message	Receiv-ats
2020-08-05	Dynami	1	Critical	IBM MQ: Listener (SYSTEM.DEFAULT.LISTENER.LU62) is down.	0
2020-08-05	Dynami	1	Critical	IBM MQ: Listener (SYSTEM.DEFAULT.LISTENER.NETBIOS) is down.	0
2020-08-05	Dynami	1	Critical	IBM MQ: Listener (SYSTEM.DEFAULT.LISTENER.SPX) is down.	0
2020-08-05	Dynami	1	Critical	IBM MQ: Listener (SYSTEM.DEFAULT.LISTENER.TCP) is down.	0

The IBM MQ: Queue Manager device dashboard displays the following information:

- A topology map of your queue manager
- A line graph that displays XMITQ message depths
- A list of device logs displaying events

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