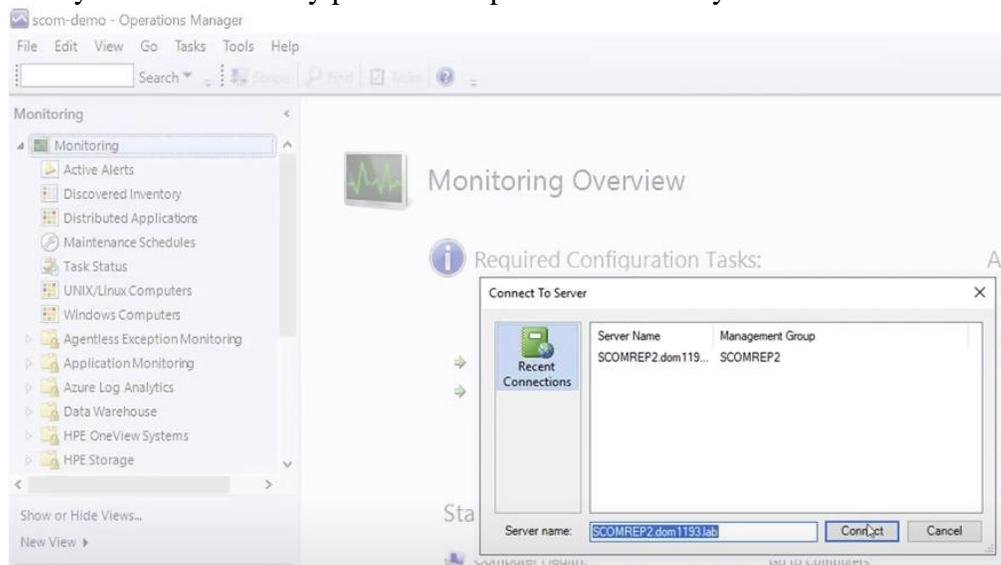


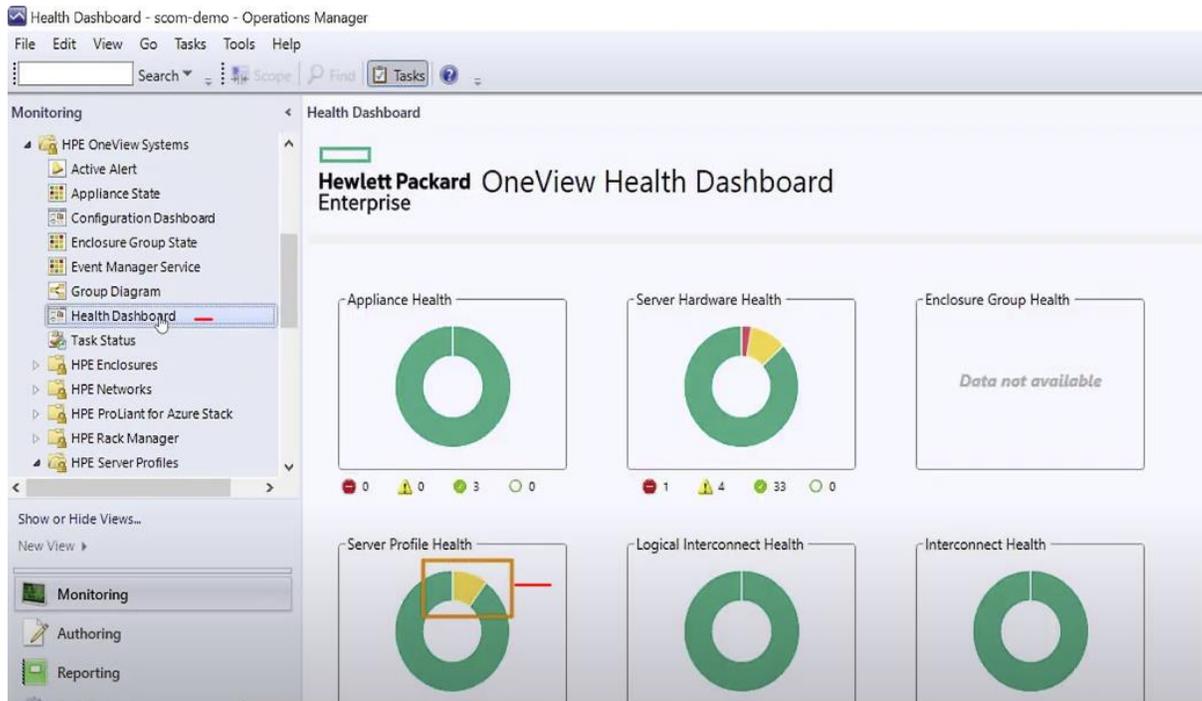
Integrating HPE OneView with Microsoft SCOM (System Center Operations Manager) allows you to centrally monitor and manage your HPE infrastructure. Here are the steps to integrate the two systems:

1. **Ensure Prerequisites:**
 - Verify that your SCOM environment meets the requirements for integrating with HPE OneView.
 - Ensure that you have administrative privileges on both SCOM and HPE OneView.
2. **Download Management Pack:**
 - Go to the HPE website or the HPE OneView support portal and download the HPE OneView management pack for SCOM. Ensure you download the appropriate version for your SCOM environment.
3. **Install Management Pack:**
 - Log in to your SCOM management server.
 - Run the installer for the HPE OneView management pack.
 - Follow the installation wizard, accepting the license agreement and specifying installation options as necessary.
 - Complete the installation process.
4. **Discover HPE OneView Resources:**
 - Open the SCOM Operations Console.
 - Navigate to Administration > Management Packs.
 - Import the HPE OneView management pack into SCOM.
 - After the import is complete, navigate to Authoring > Management Pack Objects > Object Discoveries.
 - Run a discovery to identify HPE OneView resources in your environment.
 - Verify that the discovery process completes successfully.



5. **Configure HPE OneView Connection:**
 - In the SCOM Operations Console, navigate to Administration > HPE OneView Connector.
 - Click on "Add a new HPE OneView Connection".
 - Enter the necessary information:
 - Name: Provide a name for the connection.
 - HPE OneView URL: Enter the URL of your HPE OneView instance.
 - Credentials: Provide the username and password for authenticating with HPE OneView.
 - Test the connection to ensure it is successful.
 - Save the connection settings.
6. **Set Up Monitoring:**

- Navigate to Monitoring > HPE OneView.
- You should see a list of discovered resources from your HPE OneView environment.
- Configure monitoring settings for each resource type according to your requirements. You can set thresholds, alerts, and notifications based on your infrastructure needs.
-



7. Verify Integration:

- After configuring monitoring settings, verify that SCOM is correctly monitoring HPE OneView resources.
- Check for alerts and notifications in the SCOM console to ensure that any issues or anomalies are being captured.

8. Tune and Customize:

- Fine-tune your monitoring configuration based on your organization's specific needs and best practices.
- Customize dashboards and reports in SCOM to visualize HPE OneView performance and health metrics effectively.

9. Documentation and Training:

- Document your integration setup and configuration for future reference and troubleshooting.
- Provide training to relevant IT staff on how to use SCOM for monitoring HPE OneView, including interpreting alerts and taking appropriate actions.

Monitoring HPE OneView (Hewlett Packard Enterprise's infrastructure management software) via SCOM (System Center Operations Manager) can streamline your IT operations and enhance visibility into your infrastructure. Here are the steps to set it up:

1. Prepare Your Environment:

- Ensure that your SCOM server meets the necessary requirements for integration with HPE OneView. Check for compatibility and ensure that your SCOM server is up and running.

2. Install Management Pack:

- Download the HPE OneView management pack for SCOM from the HPE website or other trusted sources.
- Install the management pack on your SCOM management server.

3. Configure SCOM Integration:

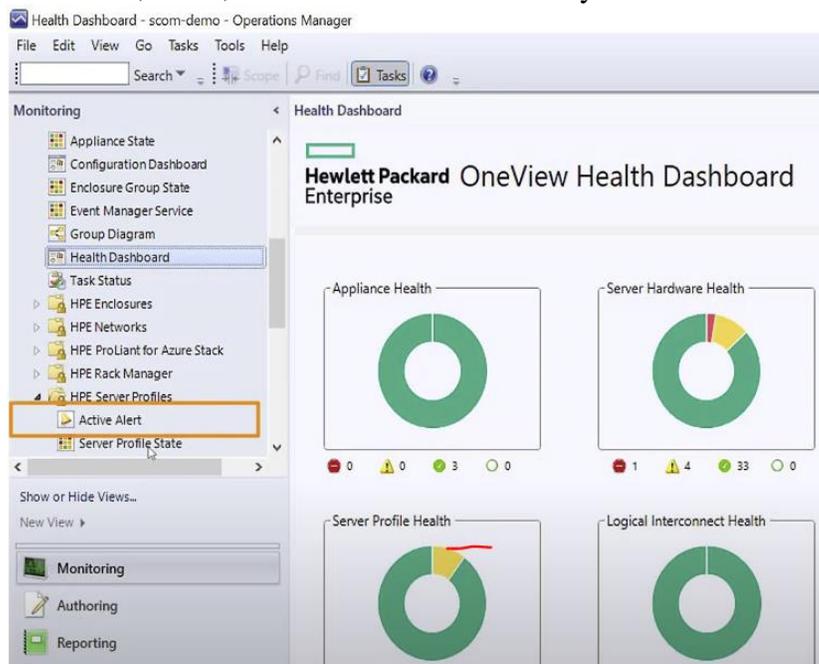
- Open the SCOM console on your management server.
- Navigate to Administration > Management Packs.
- Import the HPE OneView management pack into SCOM.
- Follow the wizard to complete the import process.

4. Discover HPE OneView Resources:

- In the SCOM console, navigate to Authoring > Management Pack Objects > Object Discoveries.
- Run a discovery to identify HPE OneView resources in your environment.
- Ensure that the discovery process completes successfully.

5. Set Up Monitoring:

- Once the resources are discovered, navigate to Monitoring > HPE OneView.
- You should see a list of discovered resources such as servers, enclosures, and interconnects.
- Configure monitoring settings for each resource type as per your requirements. You can set thresholds, alerts, and notifications based on your infrastructure needs.



6. Verify Monitoring:

- After configuring monitoring settings, verify that SCOM is correctly monitoring HPE OneView resources.
- Check for alerts and notifications in the SCOM console to ensure that any issues or anomalies are being captured.

Active Alert - scom-demo - Operations Manager

File Edit View Go Tasks Tools Help

Search Overrides Scope Find Tasks

Monitoring

- Configuration Dashboard
- Enclosure Group State
- Event Manager Service
- Group Diagram
- Health Dashboard
- Task Status
- HPE Enclosures
- HPE Networks
- HPE ProLiant for Azure Stack
- HPE Rack Manager
- HPE Server Profiles
 - Active Alert
 - Server Profile State
- HPE Servers

Show or Hide Views...
New View

Monitoring
Authoring
Reporting

Active Alert (1)

Look for: Find Now Clear

Path	Source	Name	Resolution State	Created	Age
Severity: Warning (1)					
62430f96-5bea-...	Bay8_Test	The server profile is inconsistent with its ser...	New	5/11/2020 12:45:46 PM	< 1 Minu

Alert Details

Warning The server profile is inconsistent with its server profile template.

Alert Description

Description: The server profile is inconsistent with its server profile template.

User Action: The profile can be made consistent with its template by updating it from the template. The profile or template may also be edited to manually restore consistency. If consistency is not desired, this alert can be cleared.

Source: Bay8_Test
 Full Path Name: 192.168.2.182\OneViewDomain\HPE Server Profile Collection\HPE OneView Server Profiles\Bay8_Test
 Alert Rule: A HPE OneView server profile is in warning state.
 Created: 5/11/2020 12:45:46 PM

Appliance IPv4 Address: 192.168.2.182;
 Appliance IPv6 Address: fda9

Server Profile State - scom-demo - Operations Manager

File Edit View Go Tasks Tools Help

Search Scope Find Tasks

Monitoring

- Appliance State
- Configuration Dashboard
- Enclosure Group State
- Event Manager Service
- Group Diagram
- Health Dashboard
- Task Status
- HPE Enclosures
- HPE Networks
- HPE ProLiant for Azure Stack
- HPE Rack Manager
- HPE Server Profiles
 - Active Alert
 - Server Profile State

Show or Hide Views...
New View

Monitoring
Authoring

Server Profile State (10)

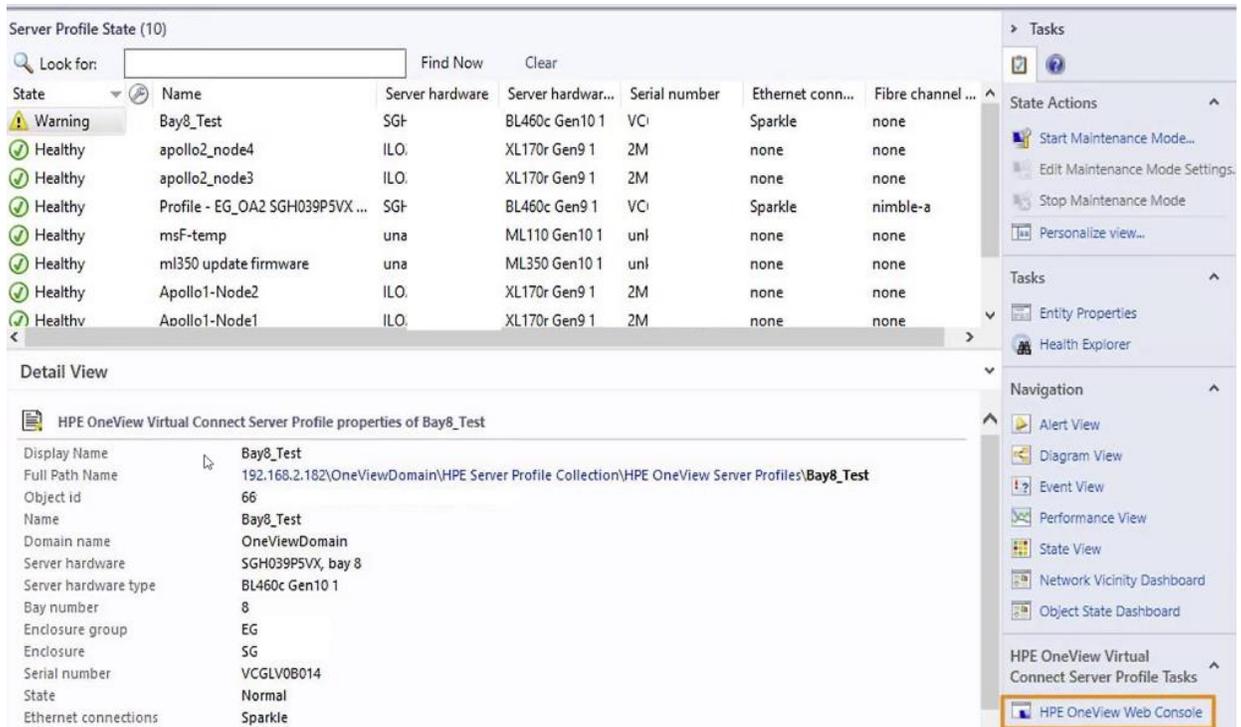
Look for: Find Now Clear

State	Name	Server hardware	Server hardwar...	Serial number	Ethernet conn...	Fibre channel
Warning	Bay8_Test	SGI-	BL460c Gen10 1	VC	Sparkle	none
Healthy	apollo2_node4	ILO.	XL170r Gen9 1	2M	none	none
Healthy	apollo2_node3	ILO.	XL170r Gen9 1	2M	none	none
Healthy	Profile - EG_OA2 SGH039P5VX ...	SGI-	BL460c Gen9 1	VC	Sparkle	nimble-a
Healthy	msF-temp	una	ML110 Gen10 1	unl	none	none
Healthy	ml350 update firmware	una	ML350 Gen10 1	unl	none	none
Healthy	Apollo1-Node2	ILO.	XL170r Gen9 1	2M	none	none
Healthv	Apollo1-Node1	ILO.	XL170r Gen9 1	2M	none	none

Detail View

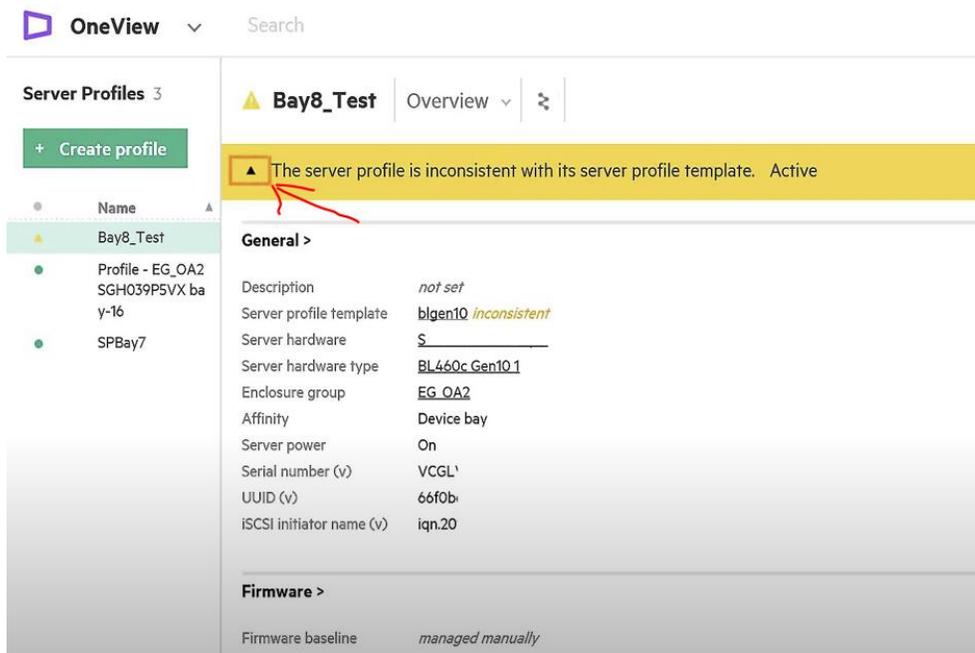
HPE OneView Virtual Connect Server Profile properties of Bay8_Test

Display Name: Bay8_Test
 Full Path Name: 192.168.2.182\OneViewDomain\HPE Server Profile Collection\HPE OneView Server Profiles\Bay8_Test
 Object id: 66
 Name: Bay8_Test
 Domain name: OneViewDomain
 Server hardware: SGH039P5VX, bay 8
 Server hardware type: BL460c Gen10 1
 Bay number: 8



7. Tune and Customize:

- Fine-tune your monitoring configuration based on your organization's specific needs and best practices.
- Customize dashboards and reports in SCOM to visualize HPE OneView performance and health metrics effectively.



The screenshot shows the OneView interface with a search bar and navigation icons at the top. On the left, a sidebar lists 'Server Profiles' with a '+ Create profile' button and a list including 'Bay8_Test', 'Profile - EG_OA2 SGH039P5VX bay-16', and 'SPBay7'. The main area displays an alert for 'Bay8_Test' with the following text:

Bay8_Test Overview [Actions]

▲ The server profile is inconsistent with its server profile template. Active 4/17/20 11:34:08 am

The following automatic updates are required to restore consistency:

- Change BIOS settings to managed by profile.
- Change BIOS setting "Extended Memory Test" to "Enabled".

The server profile can be updated from the server profile template online.

Resolution

The profile can be made consistent with its template by updating it from the template. The profile or template may also be edited to manually restore consistency. If consistency is not desired, this alert can be cleared.

[Update from template](#)
[Edit](#)
[Details](#)

The dialog box is titled 'Update From Template Bay8_Test'. It contains a yellow warning box with the text: 'Updating the server profile from its template blgen10 will result in a reconfiguration of the server profile. This may disrupt network and storage connectivity.'

Below the warning box, it indicates '2 automatic updates' and a checkbox option: 'Stage automatic updates from template to occur when S_____ is powered off via OneView.'

At the bottom right, there are two buttons: 'Yes, update' and 'Cancel'.

The screenshot shows the 'Hewlett Packard OneView Health Dashboard Enterprise' interface. The left sidebar lists various monitoring categories: 'Monitoring', 'HPE OneView Systems', 'Active Alert', 'Appliance State', 'Configuration Dashboard', 'Enclosure Group State', 'Event Manager Service', 'Group Diagram', 'Health Dashboard', 'Task Status', 'HPE Enclosures', 'HPE Networks', 'HPE ProLiant for Azure Stack', 'HPE Rack Manager', and 'HPE Server Profiles'. The main area displays several health dashboards:

- Appliance Health:** Donut chart showing 0 red, 0 yellow, 3 green, and 0 white segments.
- Server Hardware Health:** Donut chart showing 1 red, 4 yellow, 33 green, and 0 white segments.
- Enclosure Group Health:** Text indicating 'Data not available'.
- Server Profile Health:** Donut chart showing 0 red, 0 yellow, 3 green, and 0 white segments. A red arrow points to the green segment.
- Logical Interconnect Health:** Donut chart showing 0 red, 0 yellow, 3 green, and 0 white segments.
- Interconnect Health:** Donut chart showing 0 red, 0 yellow, 3 green, and 0 white segments.

8. **Regular Maintenance:**

- Periodically review and update your monitoring configuration to adapt to changes in your infrastructure.

- Keep the HPE OneView management pack and SCOM server up to date with the latest releases and patches.

9. **Documentation and Training:**

- Document your monitoring setup and configuration for future reference and troubleshooting.
- Provide training to relevant IT staff on how to use SCOM for monitoring HPE OneView, including interpreting alerts and taking appropriate actions