



Configuring Cisco UCS Management Pack

This chapter contains the following sections:

- [Checklist for Configuring the Cisco UCS Manager Management Pack, on page 1](#)
- [Adding a Cisco UCS Domain to the Operations Manager, on page 2](#)
- [Creating an Account, on page 5](#)
- [Associating a Run As Account with a Profile, on page 5](#)

Checklist for Configuring the Cisco UCS Manager Management Pack

1. Ensure that the option **Allow this server to act as a proxy and discover managed objects on other computers** is enabled for the following server or computer hosting Cisco UCS Monitoring Service.
 - Agent Managed Computers (trusted boundary)
 - Management Server
 - Agent Managed Computers (Untrusted boundary)
 - Gateway Server
2. Ensure that all the Cisco UCS Monitoring Service are visible in **Operations Manager Console > Monitoring > Cisco UCS Monitoring > Cisco UCS Monitoring Service > Monitoring Service Dashboard**.
3. Ensure that all Cisco UCS Monitoring Service are discovered and in Healthy State in **Operations Manager Console > Administration > Device Management > (Management Server / Agent Managed)**.
4. Ensure that after adding UCS domain through Add Monitoring Wizard, appropriate Run As Account has been associated with correct Run As Profile.
5. Ensure, if Run As Account distribution is set to More Secure, the computer hosting Cisco UCS Monitoring Service must appear in the Selected Computers list and it must be same as selected for monitoring UCS domain .
6. If Cisco UCS domain is monitored via Gateway Server or agent managed computer (untrusted boundary), ensure that Cisco UCS domain is reachable from that machine.
7. Ensure that Operations Manager **Action Account** must have read and write privileges on TEMP (%SystemRoot%\Temp) folder.

Adding a Cisco UCS Domain to the Operations Manager

You can add Cisco UCS domains on the servers, where either management pack is imported or the Cisco UCS Management Service is installed.

- Step 1** Launch the **Operations Manager** console.
- Step 2** Navigate to **Authoring > Cisco UCS Manager**.
- Step 3** From the **Tasks** pane, click **Add Monitoring Wizard**.
- Step 4** On the **Monitoring Type** tab, click **Cisco UCS Manager**.
- Step 5** Click **Next**.
- Step 6** On the **General Information** tab, review and complete the following:

In the **Connection** area, complete the following:

Name	Description
IP Address/Hostname field	Enter the IP address or the hostname of the UCS domain. You can use either the IPv6 or IPv4 address. Note For IPv6, enter the address in the [2001:DB8::1] format. You can add IPv6 addresses from the Release 4.1(1)
Port Number field	Enter the port number specified in the HTTP or HTTPS during Cisco UCS configuration. By default, the port number is set to 80 for nonsecure connection, and 443 for secure connection.
Connection Mode check box	If checked, a secure HTTPS connection is established. If unchecked, a nonsecure HTTP connection is established.

In the **Proxy Server** area, complete the following:

Name	Description
Enable Proxy Configuration check box	If checked, enables you to enter the proxy server details. Enter the following details: <ul style="list-style-type: none"> • IP Address*/Hostname—Enter the IP address of the proxy server. The host IP can be either IPv4 or IPv6 addresses • Port—Enter the port number which is used to connect to the proxy server

Name	Description
Enable Proxy Authentication check box	If checked, enables you to run authentication for the proxy server. Enter the following details: <ul style="list-style-type: none"> • Username—Enter the username configured on the proxy server • Password—Enter the password of the proxy server

In the **Cisco UCS Monitoring Service** area, complete the following:

Name	Description
Machine Type drop-down list	This can be one of the following: <ul style="list-style-type: none"> • Agent Managed Computer (Trusted Boundary) • Agent Managed Computer (Untrusted Boundary) • Management Server • Gateway Server
Service Machine drop-down list	Select the FQDN of the machine where Cisco UCS Monitoring Service is installed.

Step 7 To check Operations Manager connectivity to UCS Manager, click **Test Connection**.

Note If the test connection fails, contact your network administrator.

Note For certification error, follow the instruction provided in the alert dialog box.

Step 8 In the **Authentication** dialog box, enter the username and password, and click **OK**.

If the UCS domain is configured for the domain authentication, enter the username in the <username@domainname> format. The <domainname> is the UCS authentication domain configured in **Administration > User Management > Authentication in UCS**.

Note When you select Management Server at the same Active Directory level as the Operations Manager console machine, the dialog box validates the state of Monitoring Service. You can start the Monitoring Service if it stops.

You can add a UCS domain on the Management Server if you have local admin privileges. The local admin privileges are required to analyze the state of the Monitoring Service and remotely start the Monitoring Service.

Step 9 Click **Next**.

Step 10 On the **Instance Name** tab, complete the following:

Name	Description
Name field	A UCS domain name is set by default.

Name	Description
Description field	Enter a description for the UCS domain.

In the Configuration area, complete the following:

Note The following options are available from Cisco UCS Manager Management Pack, Release 4.1 onwards.

Name	Description
Org Discovery level drop-down list	Sets the Org level up to which the Orgs can be discovered. By default, the value is set to 3. This option is available from Release 4.1(1)
Show Unassociated Profiles check box	Whether to discover unassociated service profiles. It is unchecked by default. This option is available from Release 4.1(1)
Collect Performance Statistics check box	Whether to collect performance statistics for the domain. It is checked by default. This option is available from Release 4.1(1)

In the **Management Pack** area, you can continue with the default settings or use one of the following options:

Name	Description
Use Existing Management Pack or Create new check box	If checked, you can select an existing Management Pack to save this instance or create a new Management Pack by clicking New . Note We recommend not to select the Default Management Pack from the drop-down list

Step 11 Click **Next**.

Step 12 On the **Run As Account** tab, click **Add**.

Step 13 If you want to associate a new run-as account to the UCS domain instance, click **New**.

Note If you have access to read-only privileges in the UCS domain, you can collect inventory data and monitor faults of a UCS domain.

For privileges to perform actions, such as Acknowledge Fault and Launch KVM Console, see:

<https://www.cisco.com/c/en/us/support/servers-unified-computing/ucs-manager/products-installation-and-configuration-guides-list.html>

Step 14 Click **Next**.

Step 15 On the Summary tab, review the configuration summary, and click **Create**.
The template for monitoring the UCS domain is created.

Creating an Account

Configure a Cisco UCS Instance account if you did not associate a Run-As Account with the UCS instance while adding the template in the **Add Monitoring Wizard** or if you want to modify the current account association for the UCS Instance.

To create an account for the Cisco UCS domain, create a Run-As Account with the Cisco UCS instance username and password which is used by the management pack. See, [How to Create a Run As Account](#) for detailed instruction on how to create a Run As Account.



Note On the **General Properties** page, select **Simple Authentication** as the **Run-As Account Type**.



Note If Cisco UCS Manager is configured for domain authentication, enter the username in the `<username@domainname>` format. The `<domainname>` is the UCS authentication domain name, configured in **Administration > User Management > Authentication in Cisco UCS Manager**. These credentials are used for all communication with the Cisco UCS Manager.

Associating a Run As Account with a Profile

Once Run As Account is created, associate the account with the Cisco UCS domain Run-As Profile. A Run-As Profile is created with UCS domain name in the Operations Manager. See, <https://docs.microsoft.com/en-us/system-center/scom/manage-security-create-runas-link-profile> for detailed instructions on how to associate an account with a Run-As Profile.



Note For inventory collection and fault monitoring of UCS domain, read-only privileges in the Cisco UCS Manager is required.

To perform the actions, such as Acknowledge Fault and Launch KVM Console, see:

<https://www.cisco.com/c/en/us/support/servers-unified-computing/ucs-manager/products-installation-and-configuration-guides-list.html>
