Installing and Configuring the Cisco UCS C-Series Management Service

This chapter contains the following sections:

Installing the Management Pack

Step 1 Launch the **Cisco UCS C-Series Management Pack Installe**r.

> **Note** If the **Operations Manager** console is open and you launch the installer a corresponding error message displays asking you to close the console.

Step 2 In the **Setup Wizard** page, click **Next**.

Step 3 In the **License Agreement** page, do the following steps:

  a. Review the End User License Agreement.

  b. Click the **I accept the terms in the License Agreement** radio button.

  c. Click **Next**.

Step 4 In the **Product Registration** page, do the following steps:

  a. In the **Username** field, enter your username.

  b. (Optional) In the **Organization** field, enter the name of the company.

  c. Click **Next**.

Step 5 In the **Setup Type** page, choose one of the following options and then click **Next**:

- **Custom**—This option allows you to chose the components that you want to install. After completing the option go to Step 6.

    - **Complete**—This option allows you to install all the components of the Cisco UCS C-Series Management Pack. After completing the option go to Step 7.

Step 6 In the **Features to Install** page, select the required components from the options displayed. The options displayed are:

- **Cisco UCS C-Series Management Pack**—Contains the management pack and its related components.

- **Cisco UCS C-Series Management Service**—Provides a bridge between SCOM and the rack server. This Proxy Agent connects to the rack server and provides the rack server data to the management pack.

> **Note** You can import Cisco UCS C-Series Management Pack on any management server in the management group.

> **Note** You can install Cisco UCS C-Series Management Service only if you have chosen to install the Cisco UCS C-Series Management Pack option.

> **Note** You must import Cisco UCS C-Series Management Pack in the management group in order to install the Cisco UCS C-Series Management Service on other management servers.

Step 7 In the **Select Installation Folder** page, click **Browse** and navigate to the folder location where you want to install the Cisco UCS C-Series Management Pack.

Step 8 Click **Next**.

Step 9 Click **Install** to start the installation.

Step 10 In the **Installation Complete** page, click **Finish** to exit.

Installing Cisco UCS C-Series Management Service on Multiple Servers

Step 1 Launch the **Cisco UCS C-Series Management Pack Installer**.

Step 2 In the **Setup Wizard** page, click Next.

Step 3 In the **License Agreement** page, do the following:

a. Review the End User License Agreement.

b. Click the **I accept the terms in the License Agreement** radio button.

c. Click **Next**.

Step 4 In the **Product Registration** page, do the following:

a. In the **Username** field, enter your username.

b. (Optional) In the **Organization** field, enter the name of the company.

c. Click **Next**.

Step 5 In the **Features to Install** page, choose the **Install Cisco UCS C-Series Management Service** option and click **Next** to proceed.

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Note   The option for importing the management pack appears disabled if the management pack has already been installed.

Step 6 In the **Select Installation Folder** page, browse to the new folder location to install the management service.

Step 7 Click **Install** to start the installation.

Step 8 In the **Installation Complete** page, click **Finish** to exit.

Adding the Firewall Exception

After you successfully install the Cisco UCS C-Series Management Pack, you must add the firewall exception for port 8733 on every management server that hosts the Cisco UCS C-Series Management Service.

Step 1 Open Windows Firewall with Advanced Security.

Step 2 Create an inbound rule with the following options:

Rule Type—Port.

Protocol and Ports—Select TCP and provide 8733 in specific local ports.

Action—Allow the connection.

Profile—Select Domain, Private.

Name—Enter the rule name.

Step 3 Create an outbound rule with the following options:

Rule Type—Port.

Protocol and Ports—Select TCP and provide 8733 in specific local ports.

Action—Allow the connection.

Profile—Select Domain, Private.

Name—Enter the rule name.

Creating a Group of C-Series Rack Servers

Step 1 In the SCOM application menu bar, click the **Go** tab.

Step 2 From the drop-down list, choose **Authoring**.

Step 3 In the **Authoring** column, choose **Management Pack Templates > Cisco UCS C-Series**.

Step 4 In the **Tasks** pane, click the **Add Monitoring Wizard**. The **Add Monitoring Wizard** page opens.

Step 5 In the **Select Monitoring Type** page, select **Cisco UCS C-Series** as the monitoring type.

Step 6 Click **Next**.

Step 7 In the **General Information** page, define the C-Series Rack Server Discovery rule as follows:

    a. **Discover by IP Combinations**—Specify a range of IP addresses range (add hyphen) and multiple single IP address (separated by comma).

```
Example:
10.105.219.15–10.105.219.129,10.104.200.35,10.104.100.133,10.106.233.136–10.106.23
3.200
```

> **Note** You can enter 254 IP addresses in this page.

    b. **Discover by IP Range**—Specify starting and ending IP address.

    c. **Discover via Subnet mask**—Specify the network address and subnet mask.

    d. Click **Next**.

Step 8 In the **Select Objects to Manage** page, unselect the individual IP addresses to be excluded.

Step 9 Click **Next**.

Step 10 In the **Select Configuration Mode** page, verify (modify if required) the following:

    a. Connection parameters—Port number and connection mode

    b. Proxy server details

    c. Service machine

    d. Click **Next**.

Step 11 In the **Group Name** page, specify a name for the group of the Cisco UCS C-Series Rack Servers.

Step 12 (Optional) In the **Description** field, enter the description for the group.

Step 13 Click **Next**.

> **Note** In the **Management Pack** section, check the **Use existing management pack** or **create new** checkbox to save the current Cisco UCS C-Series group in a different management pack.

> **Note** The Default Management Pack is the first management pack that appears in the list when you are creating an **Override**. Do not save anything in the **Default Management Pack**.

Step 14 Review the properties that are displayed in the summary page, and click **Create**.

> **Note** To enable monitoring of the Cisco UCS C-Series Rack Server Group, you must associate the Run As Profile (created by this management pack) with a Run As Account. For more information, see Associating an Account to a Profile, page 2-8

Creating an Administrator Account

Step 1   In the SCOM application menu bar, click the **Go** tab.

Step 2   From the drop-down menu, choose **Administration**.

Step 3   In the **Administration** column, click **Accounts** under **Run As Configuration**.

Step 4   In the **Tasks** pane, click **Create Run As Account**. The **Create Run as Account Wizard** page opens.

Step 5   In the **Introduction** page, click **Next**.

Step 6   In the **General Properties** page, do the following:

    a.   From the **Run as Account Type** drop-down list, choose **Simple Authentication**.

    b.   In the **Display Name** field, enter a name for the Run As account.

    c.   In the **Description** field, enter a description of the account.

    d.   Click **Next**.

Step 7   In the **Credentials** page, do the following:

    a.   In the **Account Name** field, enter an account that can be used to log into the Cisco UCS C-Series domain.

> **Note**   If the Cisco UCS C-Series rack server is configured for domain authentication, enter the user name in the following format: *username@domainname*.

> **Note**   A CIMC account with read-only privilege is sufficient for discovering and monitoring C-Series servers from the Cisco UCS C-Series Management Pack.

    b.   In the **Password** field, enter the password for that account.

    c.   In the **Confirm Password** field, re-enter the password.

    d.   Click **Next**.

> **Note**   Operations Manager uses **Run as Accounts** to establish a connection to the Cisco UCS C-Series Rack server.

Step 8   In the **Distribution Security** page, do the following:

    a.   In the **Select a Distribution Security Option** field, click the **Less Secure** radio button.

> **Caution**   Cisco UCS C-Series rack servers are not equipped with the Windows Operating System. Hence, it is recommended to use the **Less Secure** option, as the **More Secure** option is applicable for computers or devices that are equipped with the Windows Operating System.

    b.   Click **Create**.

Step 9   In the **Completion** page, click **Close** to exit the **Create Run as Account Wizard** page.

Associating an Account to a Profile

Step 1   In the SCOM application menu bar, click the **Go** tab.

Step 2   From the drop-down list, choose **Administration**.

Step 3   In the **Administration** column, click **Profiles** under **Run As Configuration**.

Step 4   From the list of a profiles, right-click on the profile that you want to associate with the Run As Account and choose **Properties**. The **Run As Profile Wizard** page launches.

Step 5   In the **Introduction** page, click **Run As Accounts**.

Step 6   In the **Run As Accounts** page, click **Add**. The **Add a Run As Account** page opens.

Step 7   In the **Add a Run As Account** dialog box, do the following:

    a.   From the **Run As Account** drop-down list, choose the **Run As Account** that you want to associate with the profile.

    b.   The **Run As Account** is used to manage the objects fields. Click one of the following radio buttons to define the object fields:

        – **All Targeted Objects**—Choose this option if monitoring the Cisco UCS C-Series domain for the first time.

        – **A Selected Class, Group, or Object**—Choose this option if the Cisco UCS C-Series domain has been monitored before and the objects of interest are well known.

    c.   Click **OK**. **Add a Run As Account** Page closes.

Step 8   In the **Run As Accounts** page, click **Save**.

Step 9   In the **Completion** page, click **Close** to exit the **Run As Profile Wizard** page.

Uninstalling the Profiles

Step 1   In the SCOM application menu bar, click the **Go** tab.

Step 2   From the drop-down list, choose **Administration**.

Step 3   In the **Administration** column, click **Profiles** under **Run As Configuration**.

Step 4   Choose a profile and right-click **Properties**. The **Run As Profile Wizard** page launches.

Step 5   In the **Introduction** page, click **Next**.

Step 6   In the **General Properties** page, click **Next**.

Step 7   In the **Run As Accounts** page, choose the account and click **Remove**.

Step 8   Click **Save**.

Step 9   In the **Completion** page, click **Close** to exit the **Run As Profile Wizard** page.

Note   Repeat the steps to remove all the profiles that are associated with the management pack.

Uninstalling the Management Pack

Step 1   In the SCOM application menu bar, click the **Go** tab.

Step 2   From the drop-down list, choose **Administration**.

Step 3   In the **Administration** column, click **Management Packs**. A list of management packs appear in the right panel.

Step 4   Choose **Cisco UCS C-Series Management Pack** and right-click **Properties**.

Step 5   In the **Cisco UCS C-Series Management Pack - General Properties** page, click the **Dependencies** tab, and verify that the **Management Packs that depend on this Management Pack** field is blank.

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>
> **Note**   If there are any dependent management packs seen under the **Dependencies** tab, they must be individually deleted.

Step 6   Click **Cancel**.

Step 7   In the **SCOM Operations Manager** page, choose the management pack and right-click **Delete**.

Uninstalling the Additional Components

After the management pack is deleted, the other components of the management pack can be uninstalled by following one of the methods described in this section.

Uninstalling the Components Manually by Using the Control Panel

Step 1   Choose **Start > Control Panel > Program and Features**. The **Program and Features** window appears.

Step 2   From the list of programs, choose **Cisco UCS C-Series Management Pack** and click the **Remove** button.

Uninstalling the Components Using Cisco UCS C-Series Management Pack Installer

Step 1   Execute the installer again to remove **Cisco UCS C-Series Management Service**.

Step 2   In the **Cisco UCS C-Series Management Pack Setup** wizard, click **Next**.

Step 3   In the **Maintenance** page, click **Remove**.

Step 4   In the **Ready to Remove** page, click **Remove** to completely remove the service.

Note If the uninstall step fails to remove the Management Pack, the installer continues to remove the remaining components. The user must then manually remove the Management Pack from the SCOM console.