



How to Install Cisco Cable SDN Application

The task below describes how to install the Cisco Cable SDN application:

- [Installing Cisco Cable SDN Application, on page 1](#)

Installing Cisco Cable SDN Application

Before you begin

- Before installing the Cisco Cable SDN application, the Cisco Open SDN Controller must be installed. For detailed information about how to install and use the Cisco Open SDN Controller, see [Cisco Open SDN Controller 1.2 Installation Guide](#) and [Cisco Open SDN Controller 1.2 Administrator Guide](#).
- Make sure the DNS is configured properly. Although DNS is listed as optional in the official Cisco Open SDN Controller guide, it is mandatory for the Cisco Cable SDN application installation. The DNS can be configured in two different ways:
 - During the installation of the Cisco Open SDN Controller, fill in DNS address in the **Deploy OVF Template** properties page:

Figure 1: Deploy OVF Template

The screenshot shows a window titled "Deploy OVF Template" with a "Properties" section. The "Properties" section contains a list of links: "Source", "OVF Template Details", "Name and Location", "Host / Cluster", "Disk Format", "Network Mapping", and "Properties". The "Properties" section is currently selected and shows "Ready to Complete".

The main configuration area contains the following fields:

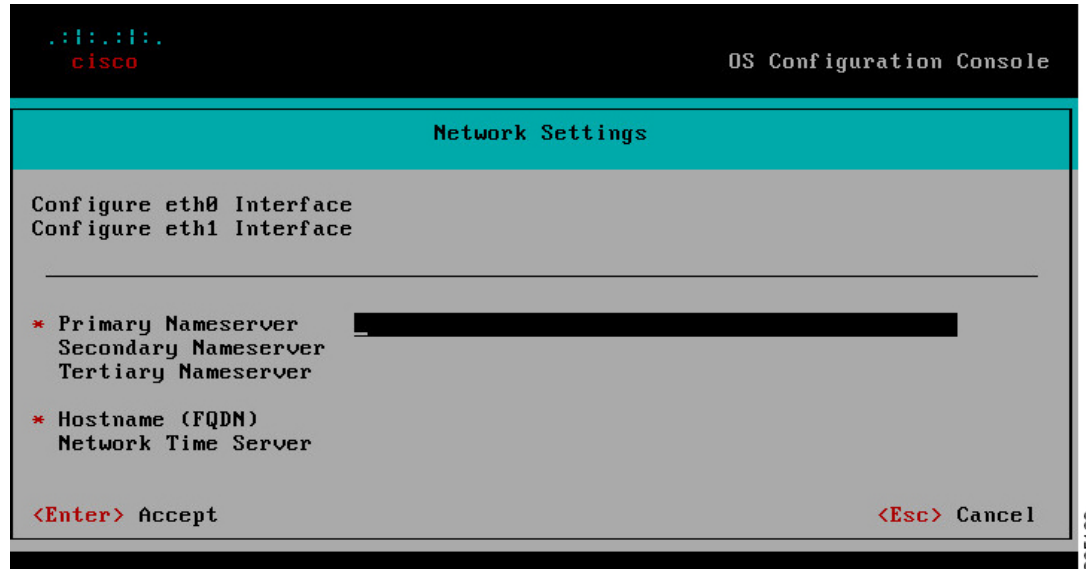
- ip_0**: A text input field.
- ntp**: A text input field.
- host_fqdn**: A text input field.
- netmask_0**: A text input field.
- gateway_0**: A text input field.
- dns_0**: A text input field.
- dns_1**: A text input field.
- config**: A text input field.

At the bottom of the window, there are three buttons: "< Back", "Next >", and "Cancel".

365187

- During the configuration of the Cisco Open SDN Controller, select **Network Settings** in the **OS Configuration Console** page, and edit the DNS entries.

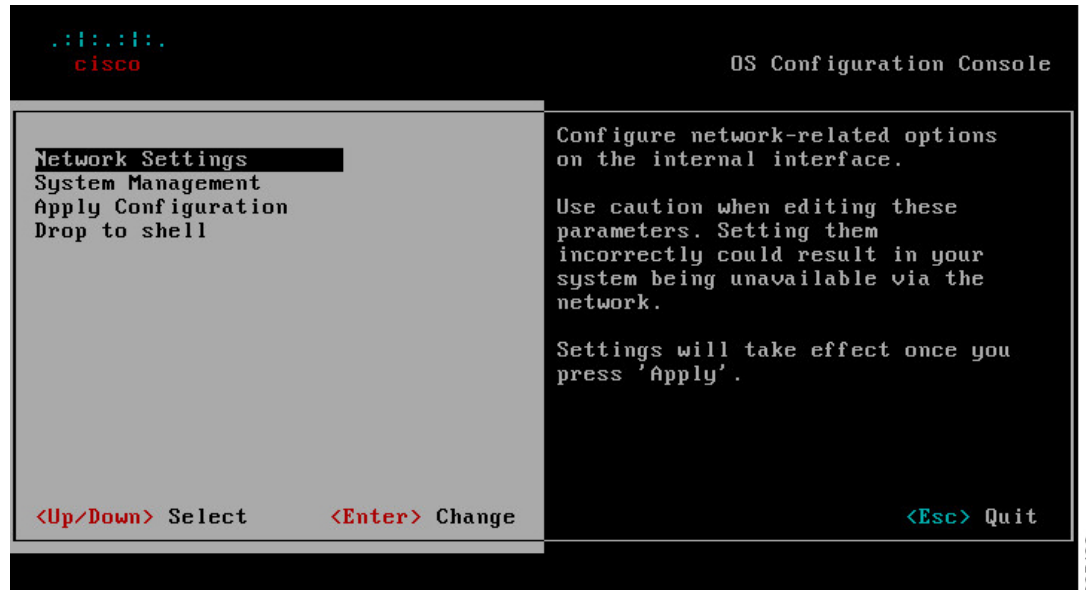
Figure 2: Network Settings



365189

After return to the console page, select **Apply Configuration**.

Figure 3: OS Configuration Console



365188

Step 1 Open the Cisco Open SDN Controller URL: <https://controller-ip-address>, the log in page is displayed:

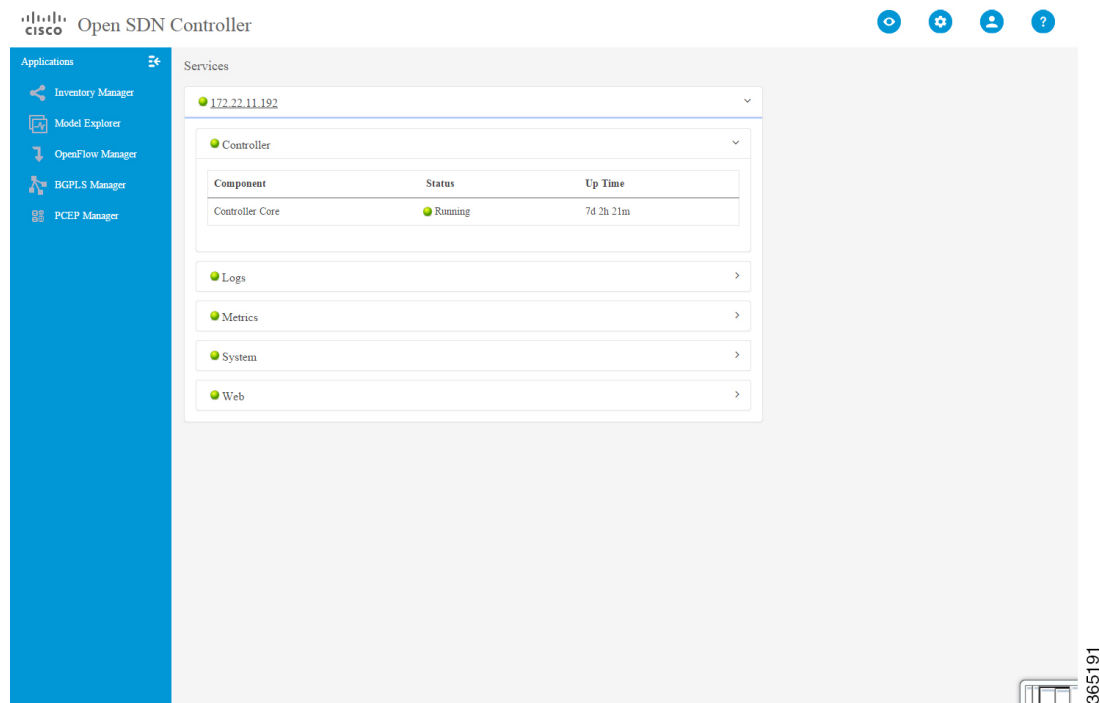
Figure 4: Open SDN Controller Login



The login page features the Cisco logo at the top center, followed by the text "Open SDN Controller". Below this, there are two input fields: "Username" with a person icon and "Passphrase" with a lock icon. A "Login" button is positioned below the fields. On the right side of the page, the number "365190" is displayed vertically.

Step 2 Enter the username and password, then click **Login**, the following main page is displayed:

Figure 5: Open SDN Controller Main Screen



The main screen displays the "Open SDN Controller" interface. On the left is a blue sidebar with "Applications" and a list of tools: Inventory Manager, Model Explorer, OpenFlow Manager, BGPLS Manager, and PCEP Manager. The main content area shows "Services" for IP 172.22.11.192. A table lists the Controller components:

Component	Status	Up Time
Controller Core	Running	7d 2h 21m

Below the table are expandable sections for Logs, Metrics, System, and Web. On the right side of the page, the number "365191" is displayed vertically.

Step 3 Move the mouse over the top right gear icon, from the drop down menu, choose **Features**, the Features page is displayed:

Figure 6: Features

Feature Name	Version	Active	Actions
application-without-isolation	1.0.0		
aries-annotation	3.0.1		
blueprint-web	3.0.1		
config	3.0.1	✓	
cosc	1.1.0-10007		
cosc-cvpn-ovs	0.1.1-Helium-SR1-20007	✓	
cosc-cvpn-ovs-rest	0.1.1-Helium-SR1-20007	✓	
cosc_cds_all	1.1.0-10007	✓	
cosc_cds_openflow	1.1.0-10007	✓	
cosc_core	1.1.0-10007	✓	

365194

Step 4 In the Features page, click **Manage Features**, the Manage Features window is displayed:

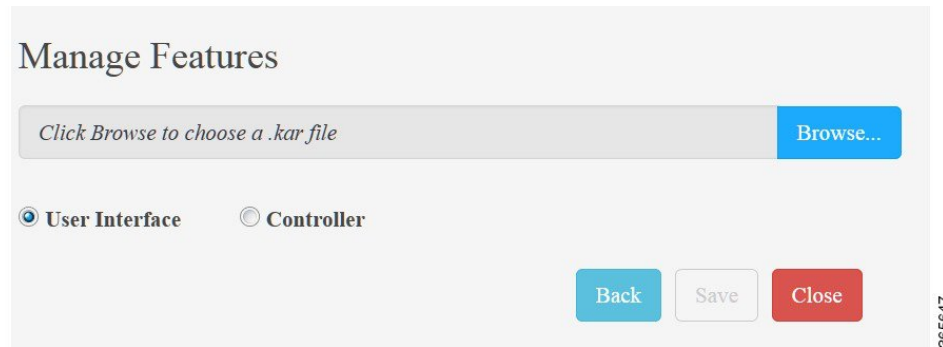
Figure 7: Manage Features

Name	Type	Actions
cmts-1.0-SNAPSHOT.kar	controller	
cmts-web-1.0-SNAPSHOT.kar	ui	

365195

Step 5 Click **Add Features** in the window, a dialog box is displayed:

Figure 8: Manage Features Dialog Box



Select the package type: **User Interface** or **Controller**, then select the corresponding KAR file to install.

Note File naming convention: cmts-xyz.kar is a controller package, while cmts-web-xyz.kar is a UI package.

Caution Do not mix up the package type during installation, because currently the package can not be uninstalled completely.

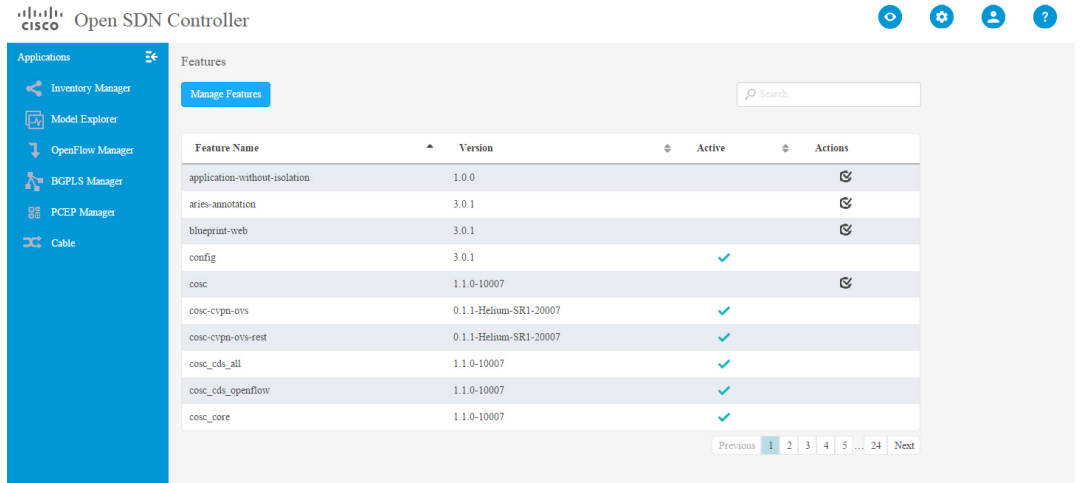
Step 6 After a short moment, the CMTS package is displayed as active.

Figure 9: CMTS Package Active

Feature Name	Version	Active	Actions
odl-cmts-all	1.0-SNAPSHOT	✓	
odl-cmts-controller	1.0-SNAPSHOT	✓	
odl-cmts-dashboard	1.0-SNAPSHOT	✓	
odl-cmts-sdn-scheduler	1.0-SNAPSHOT	✓	
odl-cmts-web	1.0-SNAPSHOT	✓	

Step 7 Wait a moment and refresh the browser. The **Cable** tab is displayed on the navigation bar.

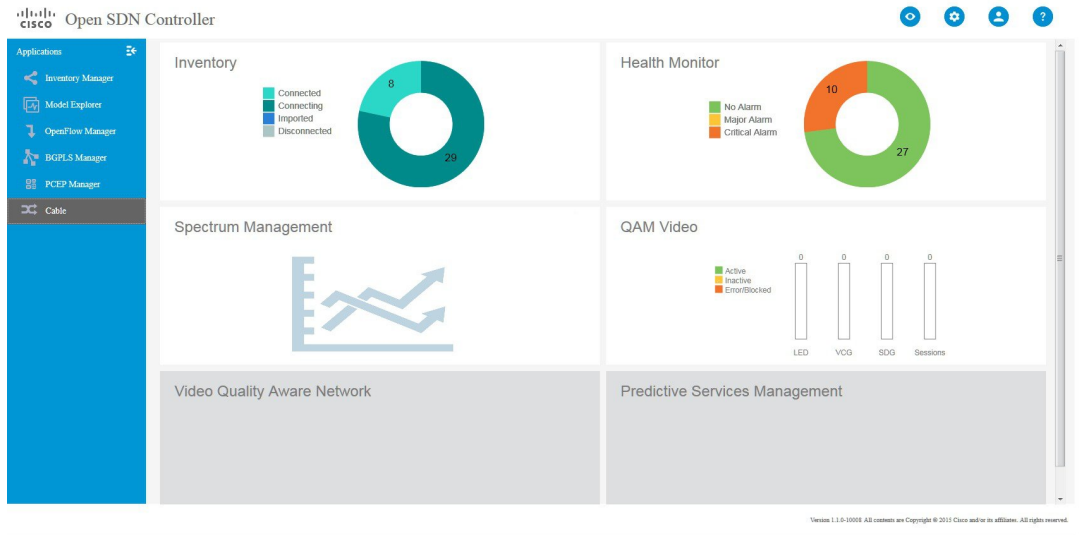
Figure 10: Cable Link



365197

Step 8 Click the **Cable** tab, the landing page of the Cisco Cable SDN application is displayed as below:

Figure 11: Landing Page



365200

