



Upgrading Cisco Container Platform

Upgrading Cisco Container Platform and upgrading tenant clusters are independent operations. You must upgrade the Cisco Container Platform to allow tenant clusters to upgrade. Specifically, tenant clusters cannot be upgraded to a higher version than the Control Plane. For example, if the Control Plane is at version 1.10, the tenant cluster cannot be upgraded to the 1.11 version.

Upgrading Cisco Container Platform is a three-step process:



Note Taking a snapshot of the VMs managed by Cisco Container Platform is currently unsupported and results in failures during upgrades.

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Upgrading Cisco Container Platform Tenant Base VM

You can follow the instructions in the [Installing Cisco Container Platform > Cisco Container Platform Tenant Base VM](#) section.



Note The older tenant images are no longer required, you can delete them from your vCenter instance.

Deploying Upgrade VM

Follow the instructions in the [Installing Cisco Container Platform > Deploying Installer VM](#) section to deploy the latest VM.

It may take a few minutes for the deployment of the VM to complete. You can view the status of the upgrade task using the Web console of vCenter.



Note Depending on CNI usage, the port used to access Cisco Container Platform may change as part of the upgrade.

Upgrading Cisco Container Platform Control Plane

The Cisco Container Platform Control Plane is upgraded using an installer UI. After the installer VM is switched on, the URL of the installer appears on the vCenter **Web console**.

- Step 1** Obtain the URL from the vCenter **Web console** and use a browser to open the installer UI.
- Step 2** Click **Upgrade**.
- Step 3** In the **Connect your Cloud** screen, enter the following information:
- In the **VCENTER HOSTNAME OR IP ADDRESS** field, enter the IP address of the vCenter instance that you want to use.
 - In the **PORT** field, enter the port of the vCenter instance that you want to use.
 - In the **VCENTER USERNAME** field, enter the username of the user with administrator access to the vCenter instance.
 - In the **VCENTER PASSPHRASE** field, enter the passphrase of the vCenter user.
 - Click **CONNECT**.
- Step 4** In the **Placement Properties** screen, enter the following information:
- In the **CISCO CONTAINER PLATFORM (CCP) URL** field, enter the URL for accessing Cisco Container Platform in the following format:
`https://<CCP_IP_Address>:<Port>`
 - From the **VSPHERE DATACENTER** drop-down list, choose the datacenter.
 - From the **BASE VM IMAGE** drop-down list, choose the Cisco Container Platform tenant base VM name.
 - Click **NEXT**.
- Step 5** In the **Cluster Configuration** screen, enter the following information:
- In the **CIDR FOR KUBERNETES POD NETWORK** field, **192.168.0.0/16** is displayed as the default pod network CIDR of the Kubernetes cluster for the installer. If the CIDR IP addresses conflict with the tenant cluster VM network or the vCenter network, you need to set a different value for the CIDR.
 This CIDR is the single large CIDR from which smaller CIDRs are automatically allocated to each node for allocating IP addresses to the pods in the Kubernetes cluster. For more information, refer to <https://kubernetes.io/docs/setup/scratch/#network-connectivity>.
 - In the **USERNAME FOR NODE ACCESS** field, enter the username of the user who can ssh into the Cisco Container Platform Control Plane nodes.
 - In the **SSH PUBLIC KEY FOR INSTALLER NODE ACCESS** field, enter an ssh public key.
 You can use this key to ssh to the Control Plane nodes.
- Note**
- Ensure that you enter the public key in a single line.
 - You can use the private key to securely connect to the Cisco Container Platform Control Plane VMs through SSH, after installation.
 - If you do not have an SSH key pair, you can generate it using the **ssh-keygen** command.

d) Click **NEXT**.

Step 6

In the **Control Plane Settings** screen, enter the following information:

a) In the **CONTROL PLANE NAME** field, enter the name of the Cisco Container Platform cluster.

Note You need to enter the same cluster name that you used during installation.

b) From the **CCP LICENSE ENTITLEMENT** drop-down list, choose an entitlement option that indicates the type of Smart Licensing that you want to use.

Note The **Partner** option will only be used in conjunction with a **Not for Retail (NFR)** or **Trial** license.

c) In the **ENTER CURRENT ADMIN PASSPHRASE** field, enter the current passphrase for an **Administrator** user of the Cisco Container Platform Control Plane.

d) Click **UPGRADE**.
