Uninstall Cisco Crosswork

This chapter contains the following topics:

Uninstall the Crosswork Cluster

This section explains the various methods to uninstall the Cisco Crosswork cluster.

Delete the VM using the Cluster Installer Tool

In case of a failed installation, the cluster installer tool is used to cleanup or delete any previously created VMs based on the cluster-state. This is a critical activity during failed deployments. Any changes made to the VM settings or the data center host requires a cleanup operation before redeployment.

Note   The installer cleanup option will delete the cluster deployment based on the inventory in `/data` directory.

Step 1   Enter the directory storing the deployment info.

For example, `_cd ~/cw-cluster`.

Step 2   Run the container on the host.

```
docker run --rm -it -v `pwd`:/data <cw-installer docker container>
```

Step 3   Edit the copy of the template file (for example, `v4.tfvars`) in a text editor, adding the data center access parameters. Remaining parameters can be provided with dummy values, or entered on the command line during the execution of the operation.

Step 4   Run the `_cw-installer.sh install_` script with the clean directive along with the deployment manifest using the `-m` flag.

Add `-o` option to remove the Cisco Crosswork image template from the data center.

For example:

```
./cw-installer.sh clean -m /data/deployment.tfvars -o
```

Step 5   Enter "yes" when prompted to confirm the operation.

Step 6   (Optional) To clean the cluster quickly (without verification), users can run the installer using the following command:

```
docker run --rm -it -v `pwd`:/data <cw installer docker image> -exec './cw-installer.sh clean -m
/data/deployment.tfvars'
```

Delete the VM using the vSphere UI

This section explains the procedure to delete a VM from vCenter. This procedure is used to delete any Crosswork Network Controller application VM.

> **Note**
> - Be aware that this procedure deletes all your app data.
> - **If you want to delete Crosswork Data Gateway only**, ensure you have done the following:
>   - Detach the devices from the Crosswork Data Gateway VM you want to delete. For more information, see *Delete Cisco Crosswork Data Gateway VM from Cisco Crosswork* topic in the *Cisco Crosswork Network Controller 7.0 Administration Guide*.
>   - Delete the Crosswork Data Gateway VM from Crosswork Network Controller as described in this chapter.

Step 1   Log into the VMware vSphere Web Client.

Step 2   In the **Navigator** pane, right-click the app VM that you want to remove and choose **Power** > **Power Off**.

Step 3   Once the VM is powered off, right-click the VM again and choose **Delete from Disk**.

The VM is deleted.

Uninstall Crosswork Data Gateway

This section explains the methods to remove Crosswork Data Gateway.

- Delete the Data Gateway VM from Cisco Crosswork, on page 3
- Delete Crosswork Data Gateway from the Crosswork Cluster, on page 3

Delete the Data Gateway VM from Cisco Crosswork

Before you begin

The data gateway VM you want to delete:

- Must be in the maintenance mode.
- Must not be a part of a pool or attached to a device.

Step 1 Log into Crosswork Network Controller UI.

Step 2 From the navigation panel, select **Administration** > **Data Gateway Management**.

Click the **Data Gateway Instances** tab.

Step 3 In the **Data Gateway Instances** list, find the data gateway instance you want to delete and click ⋯ under **Actions** column.

Click **Delete**.

Step 4 If the data gateway instance is not in the maintenance state, Crosswork Network Controller prompts you to switch it to maintenance state. Click **Switch to maintenance and continue**.

Figure 1: Switch to Maintenance and Continue Pop-up Window
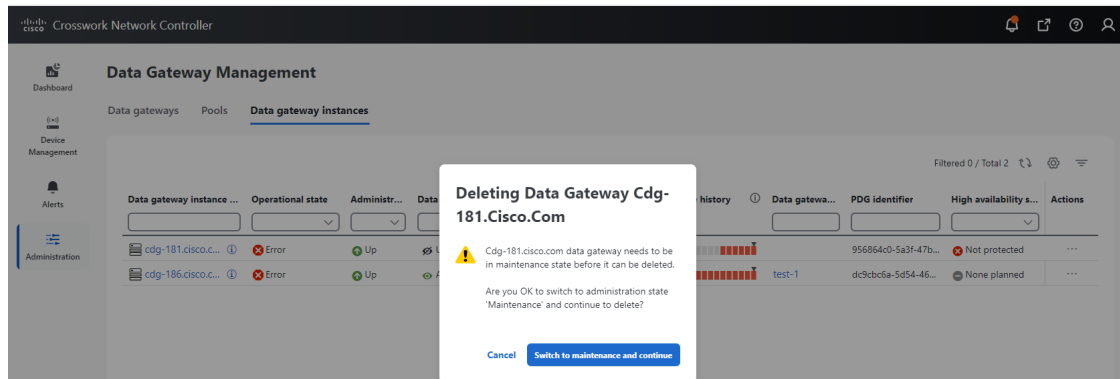
The data gateway instance is deleted.

Delete Crosswork Data Gateway from the Crosswork Cluster

To remove a data gateway from the Crosswork cluster, follow the below steps:

Step 1 Remove the data gateway instance from the Crosswork UI. Note down the **Data Gateway Instance Name** and **PDG Identifier** from the Crosswork UI.

Step 2 Execute the following commands to remove the pods from the Crosswork cluster:

- `kubectl edit cdgoperator cdgoperator-cr -n cdg`

> • If there is only one data gateway in the cluster, remove the CDG array **including** cdg_dep_plan under the **spec** section.
>
> • If there are more than one data gateway in the cluster, remove only the data gateway array entry **under** cdg_dep_plan which has to be deleted and save it.

• `kubectl delete infraservices <Data Gateway Instance Name> -n cdg`

For example, `kubectl delete infraservices op-cdg -n cdg`

• `kubectl delete collectors collector-<PDG Identifier> -n cdg`

For example, `kubectl delete collectors collector-26b0053f-5132-4379-a107-f924dfde77f4 -n cdg`

• `kubectl delete icon icon-<PDG Identifier> -n cdg`

For example, `kubectl delete icon icon-26b0053f-5132-4379-a107-f924dfde77f4 -n cdg`

• If offload pods are present, `kubectl delete offload offload-<PDG Identifier> -n cdg`

For example, `kubectl delete offload offload-26b0053f-5132-4379-a107-f924dfde77f4 -n cdg`

Uninstall Crosswork Applications

This section explains how to uninstall an application in the Crosswork UI. The **Uninstall** option removes the application, application-specific menus and associated data.

Attention   Crosswork Active Topology (if installed) must be uninstalled before you can uninstall Crosswork Optimization Engine.

Step 1   Click on **Admin** > **Crosswork Manager**, and select the **Application Management** tab.

The Crosswork Platform Infrastructure and any applications that are added are displayed here as tiles.

Step 2   Click ⋯ on the application tile that you want to uninstall, and select the **Uninstall** option from the drop down list.

Step 3   Click **Uninstall** to confirm when prompted.

The selected application is uninstalled and the application tile is modified to reflect the same.

Figure 2: Application Management Window
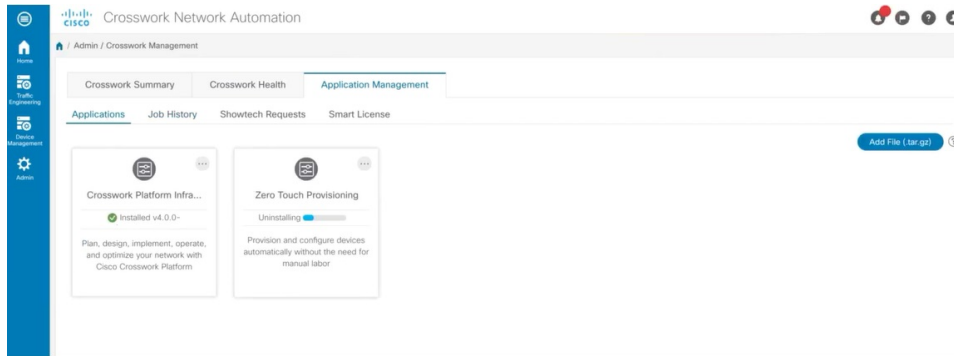
You can also view the progress of uninstallation in the Job History window (**Application Management** > **Job History**). If the uninstall fails, you can reattempt using the relevant options in the Job History window.

Note The uninstall operation does not remove the CAPP file from the repository. The CAPP file will remain visible in the Crosswork UI, in case user wants to install in the future.