Cisco Crosswork Network Controller 5.0.2 Release Notes

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This document provides information about Cisco Crosswork Network Controller 5.0.2, including patch release versions for Cisco Crosswork products and their associated defects, and the patch installation workflow.

Patch Release Versions for Cisco Crosswork Products

The patch files (.tar.gz) are available on the Cisco Software Download page.

Table 1: Patch Releases

Cisco Crosswork Product	New Releases with Fix	Defect ID
Crosswork Infrastructure	5.0.2	

Cisco Crosswork Product	New Releases with Fix	Defect ID
		CSCwh00787
		CSCwh10615
		CSCwh10569
		CSCwf21024
		CSCwh51107
		CSCwh79542
		CSCwh71185
		CSCwf31687
		CSCwd79015
		CSCwf66024
		CSCwh08457
		CSCwh09865
		CSCwh09876
		CSCwf52669
		CSCwh61778
		CSCwf79125
		CSCwh09606
		CSCwh09743
		CSCwh44161
		CSCwh73562
		CSCwh85397
		CSCwh30901
		CSCwh35420
		CSCwh14875
		CSCwh14888
		CSCwh30919
		CSCwh31016
		CSCwh31060
		CSCwh54326
		CSCwh51609
		CSCwh09581
		CSCwf50051
		CSCwh99416

Cisco Crosswork Product	New Releases with Fix	Defect ID
		CSCwi06820
		CSCwf15222
		CSCwh68122
		CSCwh55570
		CSCwi07093
		CSCwh07200
		CSCwi12318
		CSCwh91442
		CSCwi11142
		CSCwi26779
		CSCwi31566
		CSCwi23042
		CSCwi03110
		CSCwi23204
		CSCwi30679
		CSCwi34295
		CSCwf76055
		CSCwf74060
		CSCwf49780
		CSCwh33000
		CSCwh97351
		CSCwh06976
Crosswork Change Automation	5.0.2	CSCwh11616
Crosswork Optimization Engine	5.0.2	CSCwf41454
		CSCwh49668
		CSCwh06092
		CSCwh73055
		CSCwi07321
		CSCwi08579
		CSCwi11162
		CSCwi13193
		CSCwi14108
		CSCwi00636

Cisco Crosswork Product	New Releases with Fix	Defect ID
Crosswork Active Topology	5.0.2	CSCwd10397
		CSCwi05781
		CSCwi05214
Cisco Element Management Function (EMF)	5.0.2	CSCwh14491
		CSCwh30401
		CSCwh34929
		CSCwh43072
		CSCwh57124
		CSCwi31566

Patch Installation Workflow

This section explains how to install patch files from the Cisco Crosswork UI.

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Important

- The upgrade process is disruptive and should be performed during a maintenance window. The time required for the applications to restart is typically less than 30 minutes.

- Before you start, ensure to make a backup of your data.

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Important Please use the following sequence for the patch installation:

1. Crosswork Infrastructure

2. Crosswork Optimization Engine

3. Crosswork Active Topology

4. Element Management System (EMS)

If any of the above Crosswork applications are not part of the patch release, ensure to install the last updated version for those Crosswork applications.

Before you begin

Ensure you have the following:

- MOP file (.tar.gz) downloaded from Cisco Software Download to your local machine.

- Patch image file (.tar.gz) downloaded from Cisco Software Download to your local machine.

- Cisco Crosswork Administrator user credentials.

• Management IP address used for your Crosswork VM deployment.

If you encounter any error while installing the patch, please contact the Cisco Customer Experience team.

Procedure

Step 1   Download and extract the signed image (`signed-cw-na-infra-5.0.2-MOP-122023.tar.gz`).

Run the following command to extract the signed .tar.gz package:

```
tar -xzvf <signed image file>

cd <folder where tar was download>
tar -xzvf signed-cw-na-infra-5.0.2-MOP-122023.tar.gz

cw-na-infra-5.0.2-MOP-122023.tar.gz
```

Step 2   Untar the MOP file that you extracted (`cw-na-infra-5.0.2-MOP-122023.tar.gz`).

```
cd <folder where tar was download>
tar -xzvf cw-na-infra-5.0.2-MOP-122023.tar.gz

signed-cw-na-k8s-orchestrator-5.0.2-4-release-231213.tar.gz
update_orch.sh
```

Step 3   Copy the contents of the MOP file (using `scp`) to one of the hybrid nodes.

Step 4   Run the following to change the root:

```
sudo su -
```

Step 5   Run the following to update the permissions:

```
chmod 755 update_orch.sh
```

Step 6   Run the following:

```
./update_orch.sh
```

Wait 10 to 15 minutes for the update to complete and verify that system is healthy. Do not enter the password again as the script will read it from the earlier input.

Step 7   Click on **Administration** > **Crosswork Management**, and select the **Application Management** tab. The Crosswork Platform Infrastructure and any applications that are added are displayed here as tiles.

Step 8   Click on the **Add File (.tar.gz)** option to add the patch file (`signed-cw-na-infra-patch-5.0.2-32-release-231211`) that you had downloaded.

Step 9   In the Add File dialog box, enter the relevant information and click **Add**.

Step 10   Once the file is added, you can observe the existing application tile displaying an upgrade prompt. Click the upgrade prompt to install the patch file.

In the Upgrade pop up screen, select the new version that you want to upgrade to, and click **Upgrade**. Click on **Job History** to see the progress of the upgrade operation.

Step 11   Once the installation is complete, go to **Administration** > **Crosswork Manager** and confirm all of the applications are reporting *Healthy* (an updated status may take up to 20 minutes before reporting). If no status change persists, contact your Cisco Customer Experience representative.

Step 12   Repeat Steps 7 through 10 for each of the remaining applications that you have installed and want to upgrade.
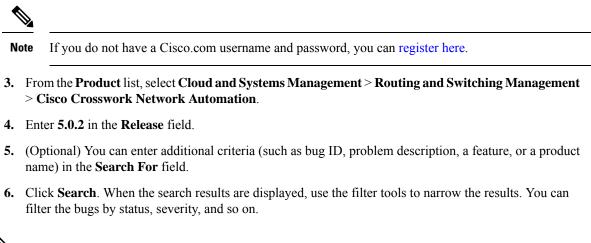
Bugs

You can use the Cisco Bug Search Tool to search for any bugs associated with the product release.

1. Go to the Cisco Bug Search Tool.

2. Enter your registered Cisco.com username and password, and click **Log In**.

    The Bug Search page opens.

    > **Note**   If you do not have a Cisco.com username and password, you can register here.

3. From the **Product** list, select **Cloud and Systems Management** > **Routing and Switching Management** > **Cisco Crosswork Network Automation**.

4. Enter **5.0.2** in the **Release** field.

5. (Optional) You can enter additional criteria (such as bug ID, problem description, a feature, or a product name) in the **Search For** field.

6. Click **Search**. When the search results are displayed, use the filter tools to narrow the results. You can filter the bugs by status, severity, and so on.

    > **Note**   To export the results to a spreadsheet, click **Export Results to Excel**.