Configure Prefixes

Add Prefixes

Step 1 In the main window, click **External Routing Analytics > Configure > Prefixes**.

Step 2 Click **Subscribe to Prefixes**.

Step 3 Click on one of the following tabs:

- **Manual**—Enter the prefix IP addresses to which you want to subscribe. To add multiple prefixes, enter a comma (,) between each one. You cannot add prefix masks smaller than /8. For example, you cannot add a prefix such as 1.1.0.0/3.

- **ASN Lookup**—Enter an ASN for which you want to search for associated prefixes.

- **CSV Overwrite**—Upload a CSV file that contains prefix information. See Upload a Configuration File for more information.

Step 4 If you selected **Manual** or **ASN Lookup**, after you enter the required information, click **Next**.

Step 5 If you previously created a policy, select a policy to associate to the prefix from the **Policy** drop-down list. See Add Crosswork Cloud Network Insights Policies for more information.

> **Note** You can associate a prefix to *one* policy only.

Step 6 (Optional) Enter meaningful text in the Tags field.

> **Note** If you have entered more than one prefix, Crosswork Cloud Network Insights applies the policy and tag you specify to all prefixes.

Step 7 Review your changes, then click **Submit** to apply your changes.

Edit and Unlink Prefixes

You can edit prefixes by adding or deleting tags that are associated with each prefix. You can also remove a prefix from a policy.

Step 1 In the main window, click **External Routing Analytics > Monitor > Prefixes**.

Step 2 Click the check box next to one or more prefixes you want to edit, then click **Edit**.

Note If you selected more than one prefix to edit, Crosswork Cloud Network Insights applies the changes to all selected prefixes.

Step 3 To apply your changes, click **Submit**.

Step 4 To remove a prefix from a policy, select the check box next to one or more prefixes, then click **Unlink**.

Step 5 Confirm that you want to unlink the prefix, then click **Unlink**.

Note When you unlink a prefix, the prefix stays in the list of prefixes in Crosswork Cloud Network Insights and can be edited, but can no longer be monitored. Alternatively, you can unsubscribe from a prefix, which removes the prefix from Crosswork Cloud Network Insights. See Delete and Unsubscribe Prefixes, on page 2 for more information.

Delete and Unsubscribe Prefixes

Before you delete prefixes, we recommend that you export and save your current configuration. See Download a Configuration File.

You can unlink a prefix, which keeps the prefix in the list of prefixes, but doesn't allow you to monitor or edit the prefix. Alternatively, you can unsubscribe from a prefix, which removes the prefix. The following steps explain how to unsubscribe a prefix.

Step 1 In the main window, click **External Routing Analytics > Configuration > Prefixes**.

Step 2 Click the check box next to the prefix you want to delete, then click **Unsubscribe**.

Step 3 In the confirmation dialog box, click **Unsubscribe**.

Temporarily Suppress Prefix Notifications

The Pause Prefix feature temporarily suppresses prefix alarm notifications that are triggered by a linked policy violation. For example, you might not want to receive alarm notifications during a network maintenance operation. Rather than unsubscribing and then linking the prefix back to the policy later, you can "pause" a prefix for a set amount of time.

Note the following behavior when enabling the Pause Prefix feature:

- You can pause a subscribed prefix for up to 90 days.

- Crosswork Cloud Network Insights does not send Alarm notifications for a paused prefix when a violation occurs in an associated policy.

- Alarms do not appear in the **Active** alarms page. However, they continue to appear in the alarm **History** page.

- Crosswork Cloud Network Insights will send a cleared alarm notification if the following conditions are met:

    - The alarm was active before the prefix was paused.

    - The alarm was cleared while the prefix was paused.

Note Crosswork Cloud Network Insights will not send any further alarm notifications until the prefix resumes.

- After the prefix resumes:

    - Crosswork Cloud Network Insights will not send alarm notifications that were previously suppressed if they were cleared before the prefix resumes.

    - Crosswork Cloud Network Insights sends active alarm notifications that were previously suppressed if they are still in active state.

Step 1 In the main window, click **External Routing Analytics** > **Configure** > **Policies** > *Policy-name* and click the **Prefixes** tab.

Step 2 Click the check box next to one or more prefixes that you want to temporarily pause notifications for.

Step 3 Click **Pause Prefix**.

Step 4 From the **Pause Duration** drop-down list, choose the time range (1 week, 1 month, 2 months, or 3 months) for which you want to stop alarm notifications for this prefix.

Step 5 Click **Pause**. The prefix status displays **Paused** and when the prefix will resume. To cancel a paused prefix, check the check box next to the prefix and click **Resume Prefix**.