Configuring Loopback Address

This chapter contains the following sections:

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About Loopback Interface

A loopback interface is a virtual interface with a single endpoint that is always up. Any packet that is transmitted over a loopback interface is immediately received by this interface. Loopback interfaces emulate a physical interface.

You can use loopback interfaces for performance analysis, testing, and local communications. Loopback interfaces can act as a termination address for routing protocol sessions. This loopback configuration allows routing protocol sessions to stay up even if some of the outbound interfaces are down.

In Cisco UCS Director, you can configure loopback interface on the following Cisco network devices:

- Cisco Nexus 3000 Series switches
- Cisco Nexus 5000 Series switches
- Cisco Nexus 6000 Series switches
- Cisco Nexus 7000 Series switches
- Cisco Nexus 9000 Series switches

Creating a Loopback Interface

Step 1	Choose **Physical** > **Network**.
Step 2	On the **Network** page, choose the pod.
Step 3	Select the network device to be configured.
Step 4	Click **Interfaces**.
Step 5	Choose an interface to be configured.
Step 6	From the **More Actions** drop-down list, choose **Create Loop Back Interface**.
Step 7	In the **Create Loop Back Interface** screen, complete the following fields:

Name	Description
Interface Loop Back Number field	Enter a loopback number from the valid range of 1 to 1023.
Description field	Enter a description for the loopback interface.
IP Address field	Enter an IP address for the loopback interface. For example, IPv4/Subnet <20.20.20.0/8>.
Copy Running configuration to Startup configuration check box	Check the check box to copy the running configuration to the startup configuration.

Step 8   Click **Submit**.

Deleting a Loopback Interface

Step 1   Choose **Physical** > **Network**.

Step 2   On the **Network** page, choose the pod.

Step 3   Select the network device to be configured.

Step 4   Click **Interfaces**.

Step 5   Choose the loopback interface that needs to be deleted.

Step 6   In the **Delete Loop Back Interface** screen, check the **Copy Running configuration to Startup configuration** check box to copy the running configuration to the startup configuration. Uncheck the check box if you do not want to copy the running configuration.

Step 7   Click **Submit**.