

Configuring Routing Tables (NSM Procedure)

This feature enables you to configure routing tables. You can also configure the static, martians, aggregate, maximum paths, maximum prefixes, multipath, or generated routes to the routing table. If you are not adding any of those routes, then the creation of the routing table is optional. The JUNOS software uses its default routing tables, which are `inet.0` for IPv4 unicast routes, `inet6.0` for IPv6 unicast routes, `inet.1` for the IPv4 multicast forwarding cache, and `inet.3` for IPv4 MPLS.

To configure a routing table in NSM:

1. In the navigation tree, select **Device Manager > Devices**.
2. In the **Devices** list, double-click the device to select it.
3. Click the **Configuration** tab.
4. In the configuration tree, expand **Routing Options**.
5. Select **Rib**.
6. Add or modify the parameters as specified in Table 1.
7. Click one:
 - **OK**—To save the changes.
 - **Cancel**—To cancel the modifications.
 - **Apply**—To apply the routing option settings.



NOTE: After you make changes to a device configuration, you must push that updated device configuration to the physical security device for those changes to take effect. You can update multiple devices at one time. See the *Updating Devices* section in the *Network and Security Manager Administration Guide* for more information.

Table 1: Rib Fields

Option	Function	Your Action
Name	Specifies the unique name for the routing table.	<ol style="list-style-type: none">1. Expand the Routing Options tree and select Rib.2. Click the New button or select a routing table and click the Edit button.3. Enter the name for the routing table.

Table 1: Rib Fields (continued)

Option	Function	Your Action
Comment	Specifies the comment for the route resolution.	<ol style="list-style-type: none">1. Expand the Routing Options tree and select Rib.2. Click the New button or select a routing table and click the Edit button.3. Enter the comment for the routing table.
Aggregate	Enables you to configure the aggregate routes for the routing table. Aggregation allows you to combine groups of routes with common addresses into a single entry in the routing table. This decreases the size of the routing table as well as the number of route advertisements sent by the router.	<ol style="list-style-type: none">1. Expand the Rib tree and select Aggregate.2. Select the global aggregate route options in Defaults and individual aggregate route options in Route.
Generate	Enables you to configure generated routes, which are used as routes of last resort in the routing table.	<ol style="list-style-type: none">1. Expand the Rib tree and select Generate.2. Select the default route to the destination address in Defaults and individually generated route options in Route.
Martians	Enables you to configure martian addresses in the routing table.	<ol style="list-style-type: none">1. Expand the Rib tree and select Martian.2. Enter the martian addresses.
Maximum Paths	Enables you to configure a limit for the number of routes installed in a routing table.	<ol style="list-style-type: none">1. Expand the Rib tree and select Maximum Paths.2. Enter the Maximum Paths and the Threshold.
Maximum Prefixes	Enables you to configure a limit for the number of routes installed in a routing table.	<ol style="list-style-type: none">1. Expand the Rib tree and select Maximum Prefixes.2. Set up the Maximum Prefixes and the Threshold.
Multipath	Enables you to configure the multipath option in the routing table for load sharing between external BGP and internal BGP.	<ol style="list-style-type: none">1. Expand the Rib tree and select Multipath.2. Enter the multipath options.

Table 1: Rib Fields (continued)

Option	Function	Your Action
Static	Enables you to configure static routes to be installed in the routing table.	<ol style="list-style-type: none"><li data-bbox="1032 384 1424 447">1. Expand the Rib tree and select Static.<li data-bbox="1032 457 1424 554">2. Enter the global static route in Defaults and destination address of the static route in Route.

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