

Checklist for Path Protection

This checklist provides the steps and commands for configuring and verifying path protection supported by the JUNOS software. The checklist provides links to an overview of path protection and more detailed information about the commands used to configure and verify path protection in different scenarios.

Table 1 provides commands for checking for path protection.

Table 1: Checklist for Path Protection

Tasks	Command or Action
Path Protection Overview	
Configuring and Verifying a Primary Path	
1. Configure a Primary Path	[edit] edit protocols mpls [edit protocols mpls] set path <i>path-name</i> <i>address</i> < strict loose > set label-switched-path <i>lsp-path-name</i> to <i>destination</i> [edit protocols mpls label-switched-path <i>lsp-path-name</i>] set primary <i>primary-name</i> set primary <i>primary-name</i> bandwidth <i>bandwidth</i> set primary <i>primary-name</i> priority <i>reservation-priority</i> <i>setup-priority</i> show commit
2. Verify That the Primary Path Is Operational	show mpls lsp extensive ingress show rsvp interface
Configuring and Verifying a Secondary Path	
1. Configure a Standby Secondary Path	[edit] edit protocols mpls [edit protocols mpls] set path <i>path-name</i> <i>destination</i> loose set label-switched-path <i>lsp-path-name</i> secondary <i>secondary-namestandby</i> show commit
2. Verify That the Secondary Path Is Established	Deactivate a link or node critical to the primary path. show mpls lsp extensive

Table 1: Checklist for Path Protection (continued)

Tasks	Command or Action
Ensuring That Secondary Paths Establish When Resources Are Diminished	Configure different bandwidth values for the primary and secondary paths. For example: [edit protocols mpls] edit label-switched-path <i>lsp-path-name</i> set primary <i>primary-name</i> bandwidth <i>bandwidth</i> show commit In this example, no bandwidth is configured for the secondary path.
Preventing Use of a Path That Previously Failed	Configure only multiple secondary paths.

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