

Chapter 15

Summary of LDP Configuration Statements

This chapter provides a reference for each Label Distribution Protocol (LDP) configuration statement. The statements are organized alphabetically.

authentication-key

| | |
|---------------------------------|---|
| Syntax | authentication-key <i>md5-authentication-key</i> ; |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp session <i>address</i>], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp session <i>address</i>], [edit protocols ldp session <i>address</i>], [edit routing-instances <i>routing-instance-name</i> protocols ldp session <i>address</i>] |
| Description | Configure the MD5 authentication signature. The maximum length of the authentication signature is 69 characters. |
| Usage Guidelines | See “Configuring the TCP MD5 Signature for LDP Session” on page 332. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

deaggregate

| | |
|---------------------------------|---|
| Syntax | deaggregate no-deaggregate; |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp], [edit protocols ldp], [edit routing-instances <i>routing-instance-name</i> protocols ldp] |
| Description | Control forwarding equivalence class (FEC) deaggregation on the router. |
| Options | deaggregate—Deaggregate FECs. no-deaggregate—Aggregate FECs. |
| Default | Deaggregation is disabled on the router. |
| Usage Guidelines | See “Configuring FEC Deaggregation” on page 322. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

disable

| | |
|---------------------------------|--|
| Syntax | disable; |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp graceful-restart], [edit logical-routers <i>logical-router-name</i> protocols ldp interface <i>interface-name</i>], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp interface <i>interface-name</i>], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> routing-options graceful-restart], [edit protocols ldp graceful-restart], [edit protocols ldp interface <i>interface-name</i>], [edit routing-instances <i>routing-instance-name</i> protocols ldp interface <i>interface-name</i>], [edit routing-instances <i>routing-instance-name</i> routing-options graceful-restart], |
| Description | Explicitly disable LDP on an interface, or explicitly disable LDP graceful restart. |
| Default | LDP is enabled on interfaces configured with the LDP interface statement. LDP graceful restart is automatically enabled when graceful restart is enabled under the [edit routing-options] hierarchy level. |
| Usage Guidelines | See “Enabling and Disabling LDP” on page 311 and “Configuring LDP Graceful Restart” on page 313. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

egress-policy

| | |
|---------------------------------|---|
| Syntax | <code>egress-policy [policy-name]</code> |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp], [edit protocols ldp], [edit routing-instances <i>routing-instance-name</i> protocols ldp] |
| Description | Control the prefixes advertised into LDP. |
| Options | <i>policy-name</i> —Name of one or more routing policies. |
| Default | Only the loopback address is advertised. |
| Usage Guidelines | See “Configuring the LDP Egress Policy” on page 321. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

explicit-null

| | |
|---------------------------------|---|
| Syntax | <code>explicit-null;</code> |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp], [edit protocols ldp], [edit routing-instances <i>routing-instance-name</i> protocols ldp] |
| Description | Advertise label 0 to the egress router of a label-switched path (LSP). |
| Default | If you do not include the explicit-null statement in the Multiprotocol Label Switching (MPLS) configuration, label 3 (implicit null) is advertised. |
| Usage Guidelines | See “Configuring MPLS and LDP to Pop the Label on the Ultimate-Hop Router” on page 331. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

export

| | |
|---------------------------------|---|
| Syntax | export [<i>policy-name</i>]; |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp], [edit protocols ldp], [edit routing-instances <i>routing-instance-name</i> protocols ldp] |
| Description | Apply policy filters to outbound LDP label bindings. Filters are applied to all label bindings from all neighbors. |
| Options | <i>policy-name</i> —Name of one or more routing policies. |
| Usage Guidelines | See “Configuring LDP Outbound-Label Filtering” on page 318. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

graceful-restart

| | |
|---------------------------------|---|
| Syntax | graceful-restart { disable; helper-disable; maximum-recovery-time <i>value</i> ; recovery-time <i>value</i> ; } |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp], [edit protocols ldp], [edit routing-instances <i>routing-instance-name</i> protocols ldp] |
| Description | Enable LDP graceful restart on the LDP master protocol instance or for a specific routing instance. |
| Usage Guidelines | See “Configuring LDP Graceful Restart” on page 313. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

hello-interval

| | |
|---------------------------------|--|
| Syntax | hello-interval <i>seconds</i> ; |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp interface <i>interface-name</i>], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp interface <i>interface-name</i>], [edit protocols ldp interface <i>interface-name</i>], [edit routing-instances <i>routing-instance-name</i> protocols ldp interface <i>interface-name</i>] |
| Description | Control the rate at which hello messages are sent on the interface. |
| Options | <i>seconds</i> —Length of time between hello packets. Range: 1 through 65,535 seconds Default: 5 seconds |
| Usage Guidelines | See “Configuring the LDP Hello Interval” on page 312. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

helper-disable

| | |
|---------------------------------|--|
| Syntax | helper-disable; |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp graceful-restart], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp graceful-restart], [edit protocols ldp graceful-restart], [edit routing-instances <i>routing-instance-name</i> protocols ldp graceful-restart] |
| Description | Disables helper mode for LDP graceful restart. When helper mode is disabled, a router cannot help a neighboring router that is attempting to restart LDP. |
| Default | Helper mode is enabled by default on all routing protocols (including LDP) that support graceful restart. |
| Usage Guidelines | See “Configuring LDP Graceful Restart” on page 313. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

hold-time

| | |
|---------------------------------|--|
| Syntax | hold-time <i>seconds</i> ; |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp interface <i>interface-name</i>], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp interface <i>interface-name</i>], [edit protocols ldp interface <i>interface-name</i>], [edit routing-instances <i>routing-instance-name</i> protocols ldp interface <i>interface-name</i>] |
| Description | How long a neighbor should consider the sending router to be operative. The hold time is advertised in LDP hello packets. |
| Options | <i>seconds</i> —Hold-time value. Range: 1 through 65,535 Default: 15 seconds |
| Usage Guidelines | See “Configuring the LDP Hold Time” on page 312. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

import

| | |
|---------------------------------|--|
| Syntax | import [<i>policy-name</i>]; |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp], [edit protocols ldp], [edit routing-instances <i>routing-instance-name</i> protocols ldp] |
| Description | Apply policy filters to received LDP label bindings. Filters are applied to all label bindings from all neighbors. |
| Options | <i>policy-name</i> —Name of one or more routing policies. |
| Usage Guidelines | See “Configuring LDP Received-Label Filtering” on page 316. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

interface

| | |
|---------------------------------|---|
| Syntax | interface <i>interface-name</i> { disable; hello-interval <i>seconds</i> ; hold-time <i>seconds</i> ; transport-address (interface loopback); } |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp], [edit protocols ldp], [edit routing-instances <i>routing-instance-name</i> protocols ldp] |
| Description | Enable LDP on one or more router interfaces. |
| Default | LDP is disabled on all interfaces. |
| Options | <i>interface-name</i> —Name of an interface. To configure all interfaces, specify all. The remaining statements are explained separately. |
| Usage Guidelines | See “Enabling and Disabling LDP” on page 311. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

keepalive-interval

| | |
|---------------------------------|---|
| Syntax | keepalive-interval <i>seconds</i> ; |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp], [edit protocols ldp], [edit routing-instances <i>routing-instance-name</i> protocols ldp] |
| Description | Set the keepalive interval value. |
| Options | <i>seconds</i> —Keepalive value. Range: 1 through 65,535 Default: 10 seconds |
| Usage Guidelines | See “Configuring the LDP Keepalive Interval” on page 312. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

keepalive-timeout

| | |
|---------------------------------|---|
| Syntax | keepalive-timeout <i>seconds</i> ; |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp], [edit protocols ldp], [edit routing-instances <i>routing-instance-name</i> protocols ldp] |
| Description | Set the keepalive timeout value. |
| Options | <i>seconds</i> —Keepalive timeout value. Range: 1 through 65,535 Default: 30 seconds |
| Usage Guidelines | See “Configuring the LDP Keepalive Timeout” on page 313. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

ldp

| | |
|---------------------------------|---|
| Syntax | ldp { ... } |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols], [edit protocols], [edit routing-instances <i>routing-instance-name</i> protocols] |
| Description | Enable LDP routing on the router. You must include the ldp statement in the configuration to enable LDP on the router. |
| Default | LDP is disabled on the router. |
| Usage Guidelines | See “Enabling and Disabling LDP” on page 311. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

log-updown

| | |
|---------------------------------|---|
| Syntax | log-updown { trap disable; } |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp], [edit protocols ldp], [edit routing-instances <i>routing-instance-name</i> protocols ldp] |
| Description | Allows you to disable LDP traps on the router, logical router, or routing instance. |
| Option | trap disable—Disable LDP traps. Default: LDP traps are enabled on the router. |
| Usage Guidelines | See “Disabling SNMP Traps for LDP” on page 333. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

maximum-recovery-time

| | |
|---------------------------------|---|
| Syntax | maximum-recovery-time <i>seconds</i> ; |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp graceful-restart], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp graceful-restart], [edit protocols ldp graceful-restart], [edit routing-instances <i>routing-instance-name</i> protocols ldp graceful-restart] |
| Description | Specify the maximum amount of time to wait before giving up an attempt to gracefully restart. |
| Options | <i>seconds</i> —Configure the maximum recovery time, in seconds. Range: 120 through 1800 seconds Default: 140 seconds |
| Usage Guidelines | See “Configuring Recovery Time and Maximum Recovery Time” on page 315. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

no-deaggregate

See deaggregate on page 336.

no-forwarding

| | |
|---------------------------------|---|
| Syntax | no-forwarding; |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp], [edit protocols ldp], [edit routing-instances <i>routing-instance-name</i> protocols ldp] |
| Description | Do not add ingress routes to the inet.0 routing table even if traffic-engineering bgp-igp (configured at the [edit protocols mpls] hierarchy level) is enabled. |
| Default | The no-forwarding statement is disabled. Ingress routes are added to the inet.0 routing table instead of the inet.3 routing table when traffic-engineering bgp-igp is enabled. |
| Usage Guidelines | See “Preventing Ingress Routes from Being Added to inet.0” on page 331. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

policing

| | |
|---------------------------------|---|
| Syntax | <pre> policing { fec <i>fec-address</i> { ingress-traffic <i>filter-name</i>; transit-traffic <i>filter-name</i>; } } </pre> |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp], [edit protocols ldp], [edit routing-instances <i>routing-instance-name</i> protocols ldp] |
| Description | Enables policing of forwarding equivalence classes (FECs) for LDP. |
| Options | <p>fec—Specify the address for the FEC.</p> <p>ingress-traffic—Specify the name of the filter for policing ingress FEC traffic.</p> <p>transit-traffic—Specify the name of the filter for policing transit FEC traffic.</p> |
| Usage Guidelines | See “Configuring Policers for LDP FECs” on page 323. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

preference

| | |
|---------------------------------|---|
| Syntax | <code>preference preference;</code> |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp], [edit protocols ldp interface <i>interface-name</i>], [edit routing-instances <i>routing-instance-name</i> protocols ldp interface <i>interface-name</i>] |
| Description | Set the route preference level for LDP routes. |
| Options | <i>preference</i> —Preferred value. Range: 0 through 255 Default: 9 |
| Usage Guidelines | See “Configuring LDP Route Preferences” on page 313. |
| Required Privilege Level | interface—To view this statement in the configuration. interface-control—To add this statement to the configuration. |

recovery-time

| | |
|---------------------------------|---|
| Syntax | <code>recovery-time seconds;</code> |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp graceful-restart], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp graceful-restart], [edit protocols ldp graceful-restart], [edit routing-instances <i>routing-instance-name</i> protocols ldp graceful-restart] |
| Description | Specifies the amount of time a router waits for LDP to restart gracefully. |
| Options | <i>seconds</i> —Configure the recovery time, in seconds. Range: 120 through 1800 seconds Default: 140 seconds |
| Usage Guidelines | See “Configuring Recovery Time and Maximum Recovery Time” on page 315. |
| Required Privilege Level | interface—To view this statement in the configuration. interface-control—To add this statement to the configuration. |

session

| | |
|---------------------------------|---|
| Syntax | session <i>address</i> { authentication-key <i>authentication-key</i> ; } |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp], [edit protocols ldp], [edit routing-instances <i>routing-instance-name</i> protocols ldp] |
| Description | Specify the LDP session to which you want to attach the Transmission Control Protocol (TCP) MD5 signature. Configure the <i>address</i> for the remote end of the LDP session. The remaining statement is explained separately. |
| Usage Guidelines | See “Configuring the TCP MD5 Signature for LDP Session” on page 332. |
| Required Privilege Level | routing—To view this statement in the configuration. routing-control—To add this statement to the configuration. |

strict-targeted-hellos

| | |
|---------------------------------|---|
| Syntax | strict-targeted-hellos; |
| Hierarchy Level | [edit logical-routers <i>logical-router-name</i> protocols ldp], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp], [edit protocols ldp], [edit routing-instances <i>routing-instance-name</i> protocols ldp] |
| Description | Prevents targeted hello messages from being sent to unconfigured neighbors. |
| Usage Guidelines | See “Enabling Strict Targeted Hellos” on page 333. |
| Required Privilege Level | interface—To view this statement in the configuration. interface-control—To add this statement to the configuration. |

traceoptions

| | |
|------------------------|---|
| Syntax | <pre> traceoptions { file <i>filename</i> <replace> <size <i>size</i>> <files <i>number</i>> <no-stamp> <(world-readable no-world-readable)>; flag <i>flag</i> <<i>flag-modifier</i>> <disable>; } </pre> |
| Hierarchy Level | <pre> [edit logical-routers <i>logical-router-name</i> protocols ldp], [edit logical-routers <i>logical-router-name</i> routing-instances <i>routing-instance-name</i> protocols ldp], [edit protocols ldp], [edit routing-instances <i>routing-instance-name</i> protocols ldp] </pre> |
| Description | LDP protocol-level trace options. |
| Default | The default LDP protocol-level trace options are inherited from the routing protocols traceoptions statement included at the [edit routing-options] hierarchy level. |
| Options | <p>disable—(Optional) Disable the tracing operation. You can use this option to disable a single operation when you have defined a broad group of tracing operations, such as all.</p> <p><i>filename</i>—Name of the file to receive the output of the tracing operation. Enclose the name within quotation marks. All files are placed in the directory /var/log. We recommend that you place LDP tracing output in the file ldp-log.</p> <p><i>files number</i>—(Optional) Maximum number of trace files. When a trace file named <i>trace-file</i> reaches its maximum size, it is renamed <i>trace-file.0</i>, then <i>trace-file.1</i>, and so on, until the maximum number of trace files is reached. Then the oldest trace file is overwritten.</p> <p>If you specify a maximum number of files, you also must specify a maximum file size with the size option.</p> <p>Range: 2 to 1000 Default: 2 files</p> |

flag—Tracing operation to perform. To specify more than one tracing operation, include multiple flag statements.

address—Operation of address and address withdrawal messages

binding—Label-binding operations

error—Error conditions

event—Protocol events

initialization—Operation of initialization messages

label—Operation of label request, label map, label withdrawal, and label release messages

notification—Operation of notification messages

packets—Equivalent to setting address, initialization, label, notification, and periodic flags

path—Label-switched path operations

periodic—Operation of hello and keepalive messages

route—Operation of route messages

state—Protocol state transitions

flag-modifier—(Optional) Modifier for the tracing flag. You can specify one or more of these modifiers:

detail—Provide detailed trace information.

disable—Disable this trace flag.

filter—Filter to apply to this flag. The filter flag modifier can be applied only to the route, path, and binding flags. This flag modifier has the following options:

match-on—Match on argument specified. The match-on option has the following suboption: fec, a filter based on the FEC associated with the traced object.

policy *policy-name*—Specify the filter policy.

receive—Packets being received.

send—Packets being transmitted.

no-stamp—(Optional) Do not place timestamp information at the beginning of each line in the trace file.

Default: If you omit this option, timestamp information is placed at the beginning of each line of the tracing output.

no-world-readable—(Optional) Disallow any user to read the log file.

replace—(Optional) Replace an existing trace file if there is one.

Default: If you do not include this option, tracing output is appended to an existing trace file.

size *size*—(Optional) Maximum size of each trace file, in kilobytes (KB), megabytes (MB), or gigabytes (GB). When a trace file named *trace-file* reaches this size, it is renamed *trace-file.0*. When *trace-file* again reaches its maximum size, *trace-file.0* is renamed *trace-file.1* and *trace-file* is renamed *trace-file.0*. This renaming scheme continues until the maximum number of trace files is reached. Then the oldest trace file is overwritten.

If you specify a maximum file size, you also must specify a maximum number of trace files with the *files* option.

Syntax: *xk* to specify KB, *xm* to specify MB, or *xg* to specify GB

Range: 10 KB through the maximum file size supported on your system

Default: 1 MB

world-readable—(Optional) Allow any user to read the log file.

Usage Guidelines See “Tracing LDP Protocol Traffic” on page 327 and the *JUNOS Network Management Configuration Guide*.

Required Privilege Level routing and trace—To view this statement in the configuration.
routing-control and trace-control—To add this statement to the configuration.

track-igp-metric

Syntax track-igp-metric;

Hierarchy Level [edit logical-routers *logical-router-name* protocols ldp],
[edit logical-routers *logical-router-name* routing-instances *routing-instance-name* protocols ldp],
[edit protocols ldp],
[edit routing-instances *routing-instance-name* protocols ldp]

Description Cause the IGP route metric to be used for the LDP routes instead of the default LDP route metric (the default LDP route metric is 1).

Usage Guidelines See “Configuring LDP to Use the IGP Route Metric” on page 330.

Required Privilege Level interface—To view this statement in the configuration.
interface-control—To add this statement to the configuration.

traffic-statistics

Syntax traffic-statistics {
 file *filename* <replace> <size *size*> <files *number*>
 <(world-readable | no-world-readable)>;
 interval *interval*;
 no-penultimate-hop;
 }

Hierarchy Level [edit logical-routers *logical-router-name* protocols ldp],
 [edit logical-routers *logical-router-name* routing-instances *routing-instance-name*
 protocols ldp],
 [edit protocols ldp],
 [edit routing-instances *routing-instance-name* protocols ldp]

Description LDP traffic statistics display the amount of traffic passed through a router for a particular FEC.

Options file *filename*—Name of the file to receive the output of the LDP statistics operation. Enclose the name within quotation marks. All files are placed in the directory /var/log.

files *number*—(Optional) Maximum number of LDP statistics files. When a statistics file named *ldp-stat* reaches its maximum size, it is renamed *ldp-stat.0*, then *ldp-stat.1*, and so on, until the maximum number of LDP statistics files is reached. Then the oldest file is overwritten.

If you specify a maximum number of files, you also must specify a maximum file size with the size option.

Range: 2 to 1000

Default: 2 files

no-penultimate-hop—(Optional) Do not collect traffic statistics on the penultimate hop router.

no-world-readable—(Optional) Do not allow any user to read the log file.

replace—(Optional) Replace an existing statistics file, if there is one.

Default: If you do not include this option, LDP statistics output is appended to an existing statistics file.

size *size*—(Optional) Maximum size of each statistics file, in kilobytes (KB), megabytes (MB), or gigabytes (GB). When a statistics file named *trace-file* reaches this size, it is renamed *trace-file.0*. When *trace-file* again reaches its maximum size, *ldp-stat.0* is renamed *ldp-stat.1* and *ldp-stat* is renamed *ldp-stat.0*. This renaming scheme continues until the maximum number of statistics files is reached. Then the oldest statistics file is overwritten.

If you specify a maximum file size, you also must specify a maximum number of trace files with the *files* option.

Syntax: *xk* to specify KB, *xm* to specify MB, or *xg* to specify GB

Range: 10 KB through the maximum file size supported on your system

Default: 1 MB

world-readable—(Optional) Allow any user to read the log file.

interval *interval*—(Optional) Specifies the interval at which the statistics are polled and written to the file.

Default: 300 seconds (5 minutes)

Usage Guidelines See “Collecting LDP Statistics” on page 324.

Required Privilege Level routing—To view this statement in the configuration.
routing-control—To add this statement to the configuration.

transport-address

Syntax transport-address (router-id | interface);

Hierarchy Level [edit logical-routers *logical-router-name* protocols ldp],
[edit logical-routers *logical-router-name* routing-instances *routing-instance-name* protocols ldp],
[edit protocols ldp interface *interface-name*],
[edit routing-instances *routing-instance-name* protocols ldp interface *interface-name*]

Description Allows control of the transport address used by LDP.

Options router-id—The router identifier is used as the transport address.

interface—The first IP address on the interface is used as the transport address.

Default router-id

Usage Guidelines See “Configuring LDP Transport Address Control” on page 320.

Required Privilege Level interface—To view this statement in the configuration.
interface-control—To add this statement to the configuration.

