

Chapter 25

Summary of Tunnel Services Configuration Statements

The following sections explain each of the tunnel services statements. The statements are organized alphabetically.

destination

destination (address)

Syntax	destination <i>destination-address</i> ;
Hierarchy Level	[edit interfaces <i>interface-name</i> unit <i>logical-unit-number</i> tunnel]
Description	For tunnel interfaces, specify the remote address of the tunnel.
Options	<i>destination-address</i> —Address of the remote side of the connection.
Usage Guidelines	See “Configure a Unicast Tunnel” on page 264, “Configure Traffic Sampling” on page 102, and “Configure Flow Monitoring” on page 109.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

destination (routing instance)

Syntax	destination <i>routing-instance-name</i> ;
Hierarchy Level	[edit interfaces <i>interface-name</i> unit <i>logical-unit-number</i> tunnel routing-instance]
Description	Specify the destination routing instance that points to the routing table containing the tunnel destination address.
Default	The default Internet routing table inet.0.
Usage Guidelines	See “Configure a Tunnel Interface for Routing Table Lookup” on page 265.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

interfaces

Syntax	interfaces { ... }
Hierarchy Level	[edit]
Description	Configure interfaces on the router.
Default	The management and internal Ethernet interfaces are automatically configured. You must configure all other interfaces.
Usage Guidelines	See <i>JUNOS Internet Software Configuration Guide: Network Interfaces and Class of Service</i> .
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

multicasts-only

Syntax	multicasts-only;
Hierarchy Level	[edit interfaces <i>interface-name</i> unit <i>logical-unit-number</i> family inet]
Description	Configure the unit and family so that it can transmit and receive multicast traffic only. You can configure this property on the IP family only.
Usage Guidelines	See “Configure a Multicast Tunnel” on page 265.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.
See Also	tunnel on page 276

routing-instance

Syntax	routing-instance { <i>destination routing-instance-name</i> ; }
Hierarchy Level	[edit interfaces <i>interface-name</i> unit <i>logical-unit-number</i> tunnel]
Description	Specify the destination routing instance that points to the routing table containing the tunnel destination address.
Default	The default Internet routing table inet.0.
Usage Guidelines	See “Configure a Tunnel Interface for Routing Table Lookup” on page 265.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

source

Syntax	source <i>source-address</i> ;
Hierarchy Level	[edit interfaces <i>interface-name</i> unit <i>logical-unit-number</i> tunnel <i>destination-address</i>]
Description	Specify the source address of the tunnel.
Default	If you do not specify a source address, the tunnel uses the unit's primary address as the source address of the tunnel.
Options	<i>source-address</i> —Address of the local side of the tunnel. This is the address that is placed in the outer IP header's source field.
Usage Guidelines	See "Configure Tunnel Interfaces" on page 263.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

ttl

Syntax	ttl <i>value</i> ;
Hierarchy Level	[edit interfaces <i>interface-name</i> unit <i>number</i> tunnel]
Description	Set the time-to-live value bit in the header of the outer IP packet.
Options	<i>value</i> —Time-to-live value. Range: 0 through 255 Default: 64
Usage Guidelines	See "Configure Tunnel Interfaces" on page 263.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

tunnel

Syntax tunnel {
 destination *destination-address*;
 routing-instance {
 destination *routing-instance-name*;
 }
 source *source-address*;
 ttl *number*;
}

Hierarchy Level [edit interfaces *interface-name* unit *logical-unit-number*]

Description Configure a tunnel. You can use the tunnel for unicast and multicast traffic or just for multicast traffic. You can also use tunnels for encrypted traffic or VPNs.

The statements are explained separately.

Usage Guidelines See “Configure Encryption Interfaces” on page 75 and “Configure Tunnel Interfaces” on page 263.

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

See Also *JUNOS Internet Software Configuration Guide: VPNs*.

unit

```

Syntax  unit logical-unit-number {
            tunnel {
                destination destination-address;
                routing-instance {
                    destination routing-instance-name;
                }
                source source-address;
                ttl number;
            }
        }

```

Hierarchy Level [edit interfaces *interface-name*]

Description Configure a logical interface on the physical device. You must configure a logical interface to be able to use the physical device.

Options *logical-unit-number*—Number of the logical unit.
Range: 0 through 16384

The remaining statements are explained separately.

Usage Guidelines See “Configure Tunnel Interfaces” on page 263.

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

See Also *JUNOS Internet Software Configuration Guide: Network Interfaces and Class of Service* for other statements that do not affect services interfaces.

unit