

Chapter 19

Summary of Voice Services Configuration Statements

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

address

Syntax	<pre>address address { ... }</pre>
Hierarchy Level	[edit interfaces <i>interface-name</i> unit <i>logical-unit-number</i> family <i>family</i>], [edit logical-routers <i>logical-router-name</i> interfaces <i>interface-name</i> unit <i>logical-unit-number</i> family <i>family</i>]
Description	Configure the interface address.
Options	<i>address</i> —Address of the interface.
Usage Guidelines	See “Configuring the Interface Address” on page 233; for a general discussion of address statement options, see the <i>JUNOS Network Interfaces and Class of Service Configuration Guide</i> .
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.
See Also	<i>JUNOS Network Interfaces and Class of Service Configuration Guide</i> for other statements that do not affect services interfaces.

bundle

Syntax	<code>bundle (vsp-fpc/pic/port ...);</code>
Hierarchy Level	[edit interfaces <i>interface-name</i> unit <i>logical-unit-number</i> family mlppp]
Description	Associate the voice services interface with the logical interface it is joining.
Options	<code>vsp-fpc/pic/port</code> —Name of the voice services interface you are linking.
Usage Guidelines	See “Configuring the Bundle Interface” on page 235.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

compression

Syntax	<pre> compression { rtp { f-max-period <i>number</i>; queues [<i>queue-numbers</i>]; port { minimum <i>port-number</i>; maximum <i>port-number</i>; } } } </pre>
Hierarchy Level	[edit interfaces <i>interface-name</i> unit <i>logical-unit-number</i>], [edit logical-routers <i>logical-router-name</i> interfaces <i>interface-name</i> unit <i>logical-unit-number</i>]
Description	Configure the compression properties for voice services traffic. The remaining statements are described separately.
Usage Guidelines	See “Configuring Compression” on page 233.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

encapsulation

Syntax	encapsulation (multilink-ppp ...);
Hierarchy Level	[edit interfaces <i>interface-name</i> unit <i>logical-unit-number</i>], [edit logical-routers <i>logical-router-name</i> interfaces <i>interface-name</i> unit <i>logical-unit-number</i>]
Description	Specify the logical link-layer encapsulation type.
Options	multilink-ppp—For voice services logical interfaces, use Multilink Point-to-Point Protocol (MLPPP) encapsulation. This encapsulation is used only on multilink and link services interfaces and their constituent T1 or E1 interfaces.
Usage Guidelines	See “Configuring Logical Interface Encapsulation” on page 232; for information about encapsulation statement options used with other interface types, see the <i>JUNOS Network Interfaces and Class of Service Configuration Guide</i> .
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

f-max-period

Syntax	f-max-period <i>number</i> ;
Hierarchy Level	[edit interfaces <i>interface-name</i> unit <i>logical-unit-number</i> compression rtp], [edit logical-routers <i>logical-router-name</i> interfaces <i>interface-name</i> unit <i>logical-unit-number</i> compression rtp]
Description	Specify the maximum number of compressed packets allowed between the transmission of full headers in a compressed Real-time Transport Protocol (RTP) traffic stream.
Options	<i>number</i> —Maximum number of packets. Default: 256
Usage Guidelines	See “Configuring Compression” on page 233.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

family

Syntax	family (inet mlppp ...) { address <i>address</i> { ... } bundle <i>interface-name</i> ; }
Hierarchy Level	[edit interfaces <i>interface-name</i> unit <i>logical-unit-number</i>]
Description	Configure protocol family information for the logical interface.
Options	<i>family</i> —Protocol family: inet—Internet Protocol version 4 suite mlppp—Multilink Point-to-Point Protocol The remaining statements are explained separately.
Usage Guidelines	See “Configuring the Bundle Interface” on page 235; for a general discussion of family statement options, see the <i>JUNOS Network Interfaces and Class of Service Configuration Guide</i> .
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.
See Also	<i>JUNOS Network Interfaces and Class of Service Configuration Guide</i> for other statements that do not affect services interfaces.

fragment-threshold

Syntax	fragment-threshold <i>bytes</i> ;
Hierarchy Level	[edit interfaces <i>vsp-fpc/pic/port</i> unit <i>logical-unit-number</i>], [edit logical-routers <i>logical-router-name</i> interfaces <i>vsp-fpc/pic/port</i> unit <i>logical-unit-number</i>]
Description	For voice services interfaces, set the fragmentation threshold, in bytes.
Options	<i>bytes</i> —Maximum size, in bytes, for multilink packet fragments. The value must be a multiple of 64 bytes, because zero is also a multiple of 64 bytes. Range: 128 through 16,320 bytes Default: 0 bytes (no fragmentation)
Usage Guidelines	See “Configuring Link Fragmentation and Interleaving Support” on page 234.
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 the <i>JUNOS Network Interfaces and Class of Service Configuration Guide</i> .
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

port

Syntax	port { minimum <i>port-number</i> ; maximum <i>port-number</i> ; }
Hierarchy Level	[edit interfaces <i>vsp-fpc/pic/port</i> unit <i>logical-unit-number</i> compression rtp], [edit logical-routers <i>logical-router-name</i> interfaces <i>vsp-fpc/pic/port</i> unit <i>logical-unit-number</i> compression rtp]
Description	For voice services interfaces only, specify a range of UDP destination port numbers in which real-time transport protocol (RTP) compression takes place.
Options	minimum <i>port-number</i> —Specify the minimum port number. Range: 0 through 65,535 maximum <i>port-number</i> —Specify the maximum port number. Range: 0 through 65,535
Usage Guidelines	See “Configuring Compression” on page 233.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

queues

Syntax	<code>queues [<i>queue-numbers</i>];</code>
Hierarchy Level	[edit interfaces <i>interface-name</i> unit <i>logical-unit-number</i> compression rtp], [edit logical-routers <i>logical-router-name</i> interfaces <i>interface-name</i> unit <i>logical-unit-number</i> compression rtp]
Description	For voice services interfaces only, assign queue numbers on which real-time transport protocol (RTP) compression takes place.
Options	<code>queues <i>queue-numbers</i></code> —Assign one or more of the following queues: q0, q1, q2, and q3.
Usage Guidelines	See “Configuring Compression” on page 233.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

rtp

Syntax	<code>rtp { f-max-period <i>number</i>; queues [<i>queue-numbers</i>]; port { minimum <i>port-number</i>; maximum <i>port-number</i>; } }</code>
Hierarchy Level	[edit interfaces <i>interface-name</i> unit <i>logical-unit-number</i> compression], [edit logical-routers <i>logical-router-name</i> interfaces <i>interface-name</i> unit <i>logical-unit-number</i> compression]
Description	Configure the real-time transport protocol (RTP) properties for voice services traffic. The remaining statements are described separately.
Usage Guidelines	See “Configuring Compression” on page 233.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

unit

```

Syntax  unit logical-unit-number {
            encapsulation type;
            family family {
                address address {
                    ...
                }
                bundle (vsp-fpc/pic/port | ...);
            }
        }

```

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 16,384

The remaining statements are explained separately.

Usage Guidelines See “Configuring Voice Services Properties” on page 232; for a general discussion of logical interface properties, see the *JUNOS Network Interfaces and Class of Service Configuration Guide*.

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

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

