

Chapter 35

Summary of Router Chassis Configuration Statements

The following sections explain each of the chassis configuration statements. The statements are organized alphabetically.

aggregated-devices

Syntax	<pre>aggregated-devices { ethernet { device-count <i>number</i>; } sonet { device-count <i>number</i>; } }</pre>
Hierarchy Level	[edit chassis]
Description	Configure properties for aggregated devices on the router.
Options	The statements are explained separately in this chapter.
Usage Guidelines	See “Configuring Aggregated Devices” on page 698.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.


alarm

Syntax	<pre>alarm { interface-type { alarm-name (red yellow ignore); } }</pre>
Hierarchy Level	[edit chassis]
Description	<p>Configure the chassis alarms and whether they trigger a red or yellow alarm, or whether they are ignored. Red alarm conditions light the RED ALARM LED on the router's craft interface and trigger an audible alarm if one is connected to the contact on the craft interface. Yellow alarm conditions light the YELLOW ALARM LED on the router's craft interface and trigger an audible alarm if one is connected to the craft interface.</p> <p>To configure more than one alarm, include multiple <i>alarm-name</i> lines.</p>
Options	<p><i>alarm-name</i>—Alarm condition. For a list of conditions, see Table 27 on page 700.</p> <p><i>ignore</i>—The specified alarm condition does not set off any alarm.</p> <p><i>interface-type</i>—Type of interface on which you are configuring the alarm. It can be one of the following: atm, ethernet, sonet, or t3.</p> <p>red—The specified alarm condition sets off a red alarm.</p> <p>yellow—The specified alarm condition sets off a yellow alarm.</p>
Usage Guidelines	See “Chassis Conditions That Trigger Alarms” on page 701.
Required Privilege Level	<p>interface—To view this statement in the configuration.</p> <p>interface-control—To add this statement to the configuration.</p>

atm-cell-relay-accumulation

Syntax	atm-cell-relay-accumulation;
Hierarchy Level (routing matrix)	<p>[edit chassis fpc <i>slot-number</i> pic <i>pic-number</i>],</p> <p>[edit chassis lcc <i>number</i> fpc <i>slot-number</i> pic <i>pic-number</i>]</p>
Description	Configure an Asynchronous Transfer Mode (ATM) Physical Interface Card (PIC) in cell-relay accumulation mode.
Usage Guidelines	See “Configuring ATM Cell-Relay Accumulation Mode on an ATM1 PIC” on page 699.
Required Privilege Level	<p>interface—To view this statement in the configuration.</p> <p>interface-control—To add this statement to the configuration.</p>
See Also	“TX Matrix Platform and T640 Routing Node Configuration Guidelines” on page 742.

atm-l2circuit-mode

Syntax	atm-l2circuit-mode (cell aal5 trunk <i>trunk</i>);
Hierarchy Level (routing matrix)	[edit chassis fpc <i>slot-number</i> pic <i>pic-number</i>] [edit chassis lcc <i>number</i> fpc <i>slot-number</i> pic <i>pic-number</i>]
Description	Configure the ATM2 intelligent queuing (IQ) Layer 2 circuit transport mode.
Options	aal5—Tunnel a stream of ATM cells encoded with ATM Adaptation Layer (AAL5) over an IP Multiprotocol Label Switching (MPLS) backbone. cell—Tunnel a stream of ATM cells over an IP MPLS backbone. trunk <i>trunk</i> —Transport ATM cells over an MPLS core network that is implemented on some other vendor switches. Trunk mode can be UNI or NNI.
	NOTE: To determine which vendors support Layer 2 circuit trunk mode, contact Juniper Networks Customer Support.
	Default: aal5
Usage Guidelines	See “Configuring ATM2 Intelligent Queuing Layer 2 Circuit Transport Mode” on page 728.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.
See Also	“TX Matrix Platform and T640 Routing Node Configuration Guidelines” on page 742.

ce1

Syntax	ce1 { e1 <i>port-number</i> { channel-group <i>group-number</i> timeslots <i>slot-number</i> ; } }
Hierarchy Level	[edit chassis fpc <i>slot-number</i> pic <i>pic-number</i>]
Description	Configure channelized E1 port and channel specifications.
Options	<i>port-number</i> —Any valid E1 port number on the host system. The remaining statements are explained separately in this chapter.
Usage Guidelines	See “Configuring Channelized E1 Naming” on page 725.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

channel-group

Syntax	<code>channel-group <i>group-number</i>;</code>
Hierarchy Level	[edit chassis fpc <i>slot-number</i> pic <i>pic-number</i> ce1 e1 <i>port-number</i>] [edit chassis fpc <i>slot-number</i> pic <i>pic-number</i> ct3 port <i>port-number</i> t1 <i>link-number</i>],
Description	Configure the DS0 channel number.
Options	<i>group-number</i> —DS0 channel group. Range: 0 through 7 for DS0 naming, and 0 through 23 for E1 naming.
Usage Guidelines	See “Configuring Channelized DS3-to-DS0 Naming” on page 723 and “Configuring Channelized E1 Naming” on page 725.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

chassis

Syntax	<code>chassis { ... }</code>
Hierarchy Level	[edit]
Description	Configure router chassis properties.
Usage Guidelines	See “Router Chassis Configuration Guidelines” on page 695.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

ct3

Syntax	<pre>ct3 { port <i>port-number</i> { t1 <i>link-number</i> { channel-group <i>group-number</i> timeslots <i>slot-number</i>; } } }</pre>
Hierarchy Level	[edit chassis fpc <i>slot-number</i> pic <i>pic-number</i>]
Description	Configure channelized T3 port and channel specifications.
Options	<p>port <i>port-number</i>—Any valid T3 port number on the host system.</p> <p>t1 <i>link-number</i>—T1 link. Range: 0 through 27</p> <p>The remaining statements are explained separately in this chapter.</p>
Usage Guidelines	See “Configuring Channelized DS3-to-DS0 Naming” on page 723.
Required Privilege Level	<p>interface—To view this statement in the configuration.</p> <p>interface-control—To add this statement to the configuration.</p>

device-count

Syntax	device-count <i>number</i> ;
Hierarchy Level	[edit chassis aggregated-devices ethernet]
Description	Configure the number of aggregated logical devices available to the router.
Usage Guidelines	See “Configuring Aggregated Devices” on page 698.
Required Privilege Level	<p>interface—To view this statement in the configuration.</p> <p>interface-control—To add this statement to the configuration.</p>

e1

Syntax	<code>e1 <i>port-number</i> { channel-group <i>group-number</i> timeslots <i>slot-number</i>; }</code>
Hierarchy Level	[edit chassis fpc <i>slot-number</i> pic <i>pic-number</i> ce1]
Description	Configure the channelized E1 port number on the PIC. Range: 0 through 9
Usage Guidelines	See “Configuring Channelized E1 Naming” on page 725.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

ethernet

Syntax	<code>ethernet { device-count <i>number</i>; }</code>
Hierarchy Level	[edit chassis aggregated-devices]
Description	Configure properties for Ethernet aggregated devices on the router.
Usage Guidelines	See “Configuring Aggregated Devices” on page 698.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

fpc

See the following topics:

fpc (M320, T320, T640 Routing Platforms) on page 755

fpc (TX Matrix Platform) on page 756

fpc (M320, T320, T640 Routing Platforms)

```

Syntax  fpc slot-number {
            pic pic-number {
              ce1 {
                e1 port-number {
                  channel-group group-number timeslots slot-number;
                }
              }
              ct3 {
                port port-number {
                  t1 link-number {
                    channel-group group-number timeslots slot-number;
                  }
                }
              }
            }
            framing (sdh | sonet);
            idle-cell-format {
              itu-t;
              payload-pattern payload-pattern-byte;
            }
            max-queues-per-interface (8 | 4);
            no-concatenate;
          }
  
```

Hierarchy Level [edit chassis]

Description Configure properties for the PICs in individual Flexible PIC Concentrators (FPCs).

Options *slot-number*—Slot number in which the FPC is installed.
Range: 0 through 7

The remaining statements are explained separately in this chapter.

Usage Guidelines See “Configuring SONET/SDH Framing” on page 720 and “Configuring Channelized PIC Operation” on page 722.

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

fpc (TX Matrix Platform)

```

Syntax  fpc slot-number {
            pic pic-number {
                atm-cell-relay-accumulation;
                atm-l2circuit-mode (cell | aal5 | trunk trunk);
                framing (sdh | sonet);
                idle-cell-format {
                    itu-t;
                    payload-pattern payload-pattern-byte;
                }
                max-queues-per-interface (8 | 4);
                no-concatenate;
            }
        }
        online-expected;
        offline;
    }

```

Hierarchy Level [edit chassis lcc *number*]

Description On a TX Matrix platform, configure properties for the PICs in individual FPCs.

Options *slot-number*—Slot number in which the FPC is installed.
Range: 0 through 7

The remaining statements are explained separately in this chapter.

Usage Guidelines See “Configuring SONET/SDH Framing” on page 720 and “Chassis and Interface Names” on page 746.

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

See Also “TX Matrix Platform and T640 Routing Node Configuration Guidelines” on page 742.

framing

Syntax	framing (sdh sonet);
Hierarchy Level (routing matrix)	[edit chassis fpc <i>slot-number</i> pic <i>pic-number</i>], [edit chassis lcc <i>number</i> fpc <i>slot-number</i> pic <i>pic-number</i>]
Description	On SONET/SDH PICs only, configure the framing type.
Options	sdh—SDH framing. sonet—SONET framing. Default: sonet
Usage Guidelines	See “Configuring SONET/SDH Framing” on page 720.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.
See Also	“TX Matrix Platform and T640 Routing Node Configuration Guidelines” on page 742.

graceful-switchover

Syntax	graceful-switchover (disable enable);
Hierarchy Level	[edit chassis redundancy]
Description	For routers with two Routing Engines, configure the backup Routing Engine to gracefully switch over without interruption to packet forwarding.
Options	disable—Disables graceful switchover. enable—Enables graceful switchover. Default: disable
Usage Guidelines	See “Changing to the Backup Routing Engine Without Interruption to Packet Forwarding (Graceful Switchover)” on page 738.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

idle-cell-format

Syntax	idle-cell-format { itu-t; payload-pattern <i>payload-pattern-byte</i> ; }
Hierarchy Level (routing matrix)	[edit chassis fpc <i>slot-number</i> pic <i>pic-number</i> idle-cell-format], [edit chassis lcc <i>number</i> fpc <i>slot-number</i> pic <i>pic-number</i> idle-cell-format]
Description	For ATM 2 PICs only, configure the format of the idle cell header and payload bytes.
Options	<p>itu-t—Configure the idle cell header to use the International Telecommunications Union (ITU-T) standard of 0x00000001. Default: (4 bytes): 0x00000000</p> <p><i>payload-pattern-byte</i>—Configure the idle cell payload pattern. The payload pattern byte can range from 0x00 through 0xff. Default: cell payload (48 bytes)</p>
Usage Guidelines	See “Configuring the Idle Cell Format” on page 731.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.
See Also	“TX Matrix Platform and T640 Routing Node Configuration Guidelines” on page 742.

keepalive-time

Syntax	keepalive-time <i>seconds</i> ;
Hierarchy Level	[edit chassis redundancy]
Description	Configure the time period that must elapse before the backup router assumes mastership if it detects loss of the keepalive signal.
Usage Guidelines	See “Configuring Routing Engine Redundancy” on page 733.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

lcc

Syntax	<pre>lcc <i>number</i> { fpc <i>slot-number</i> { pic <i>pic-number</i> { atm-cell-relay-accumulation; atm-l2circuit-mode (cell aal5 trunk <i>trunk</i>); framing (sdh sonet); idle-cell-format { itu-t; payload-pattern <i>payload-pattern-byte</i>; } max-queues-per-interface (8 4); no-concatenate; } } online-expected; offline; }</pre>
Hierarchy Level	[edit chassis]
Description	Configure a T640 routing node on a routing matrix.
Options	<p><i>number</i>—Specifies a T640 routing node on a routing matrix. Range: 0 through 3</p> <p>The remaining statements are explained separately.</p>
Usage Guidelines	See “TX Matrix Platform and T640 Routing Node Configuration Guidelines” on page 742 and “Configuring a T640 Routing Node Within a Routing Matrix” on page 745.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.
See Also	<i>TX Matrix Platform Hardware Guide</i> .

max-queues-per-interface

Syntax	max-queues-per-interface (8 4);
Hierarchy Level (routing matrix)	[edit chassis fpc <i>slot-number</i> pic <i>pic-number</i>], [edit chassis lcc <i>number</i> fpc <i>slot-number</i> pic <i>pic-number</i>]
Description	On M320, T320, and T640 routing platforms, and TX Matrix platforms, configure eight egress queues on IQ interfaces.
Usage Guidelines	See “Configuring Eight Queues on IQ Interfaces” on page 725.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.
See Also	“TX Matrix Platform and T640 Routing Node Configuration Guidelines” on page 742.

mlfr-uni-nni-bundles

Syntax	mlfr-uni-nni-bundles <i>number</i> ;
Hierarchy Level	[edit chassis fpc <i>slot-number</i> pic <i>pic-number</i>]
Description	Configure link services management properties.
Options	<i>number</i> —Number of Multilink Frame Relay user-to-network interface network-to-network interface (UNI-NNI) (FRF.16) bundles to allocate on a Link Services PIC. Range: 1 through 128 Default: 16
Usage Guidelines	See “Configuring the Link Services PICs” on page 730. See also the <i>JUNOS Network Interfaces and Class of Service Configuration Guide</i> .
Required Privilege Level	chassis—To view this statement in the configuration. chassis-control—To add this statement to the configuration.


no-concatenate

Syntax	no-concatenate;
Hierarchy Level (routing matrix)	[edit chassis fpc <i>slot-number</i> pic <i>pic-number</i>], [edit chassis lcc <i>number</i> fpc <i>slot-number</i> pic <i>pic-number</i>]
Description	<p>Do not concatenate (multiplex) the output of a SONET/SDH PIC (an interface with a name <i>so-fpc/pic/port</i>).</p> <p>When configuring and displaying information about interfaces that are operating in channelized mode, you must specify the channel number in the interface name (<i>physical:channel</i>); for example, <i>so-2/2/0:0</i> and <i>so-2/2/0:1</i>. For more information about interface names, see the <i>JUNOS Network Interfaces and Class of Service Configuration Guide</i>.</p> <p>On SONET OC48 interfaces that are configured for channelized (multiplexed) mode, the bytes e1-quiet and bytes f1 options in the sonet-options statement have no effect. The bytes f2, bytes z3, bytes z4, and path-trace options work correctly on channel 0. They work in the transmit direction only on channels 1, 2, and 3.</p>
Default	Output is concatenated (multiplexed).
Usage Guidelines	See “Configuring Channelized PIC Operation” on page 722.
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> and “TX Matrix Platform and T640 Routing Node Configuration Guidelines” on page 742

offline

Syntax	offline;
Hierarchy Level	[edit chassis lcc <i>number</i>]
Description	(Routing matrix only) Configure a T640 routing node so that it is not part of the routing matrix.
Usage Guidelines	See “Configuring the Online Expected Alarm” on page 748.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.
See Also	online-expected on page 762 and “TX Matrix Platform and T640 Routing Node Configuration Guidelines” on page 742.

on-disk-failure

Syntax	on-disk-failure;
Hierarchy Level	[edit chassis redundancy failover]
Description	Instruct the backup router to assume mastership if it detects hard disk errors on the master Routing Engine.
	NOTE: To enable this feature, you must also configure graceful switchover. For information about graceful switchover, see “Changing to the Backup Routing Engine Without Interruption to Packet Forwarding (Graceful Switchover)” on page 738.
	This feature is not available on a routing matrix. For information about a routing matrix, see the “TX Matrix Platform and T640 Routing Node Configuration Guidelines” on page 742.
Usage Guidelines	See “Changing to the Backup Routing Engine if It Detects a Hard Disk Error on the Master Routing Engine” on page 737.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.


online-expected

Syntax	online-expected;
Hierarchy Level	[edit chassis lcc <i>number</i>]
Description	(Routing matrix only) Configure a T640 routing node so that if it does not come online, an alarm is sent to the TX Matrix platform.
Usage Guidelines	See “Configuring the Online Expected Alarm” on page 748.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.
See Also	offline on page 761 and “TX Matrix Platform and T640 Routing Node Configuration Guidelines” on page 742.

on-loss-of-keepalives

Syntax	on-loss-of-keepalives;
Hierarchy Level	[edit chassis redundancy failover]
Description	Instruct the backup router to assume mastership if it detects a loss of keepalive signal from the master Routing Engine.
Usage Guidelines	See “Configuring Routing Engine Redundancy” on page 733.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

packet-scheduling

Syntax	(packet-scheduling no-packet-scheduling);
Hierarchy Level	[edit chassis]
Description	Enable packet-scheduling mode, in which the Packet Director application-specific integrated circuit (ASIC) schedules packet dispatches to compensate for transport delay differences. This preserves the interpacket gaps as the packets are distributed from the Packet Director ASIC to the Packet Forwarding Engine.
	NOTE: The packet-scheduling feature is available on M160 routers only.
Options	no-packet-scheduling—Do not schedule packets. packet-scheduling—Schedule packets to preserve interpacket gaps.
Default	no-packet-scheduling
Usage Guidelines	See “Configuring Packet Scheduling” on page 730.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

pic

See the following topics:

pic (M-series and T-series Routing Platforms) on page 764

pic (TX Matrix Platform) on page 765

pic (M-series and T-series Routing Platforms)

```

Syntax  pic pic-number {
            ce1 {
              e1 port-number {
                channel-group group-number timeslots slot-number;
              }
            }
            ct3 {
              port port-number {
                t1 link-number {
                  channel-group group-number timeslots slot-number;
                }
              }
            }
            framing (sdh | sonet);
            idle-cell format {
              itu-t;
              payload-pattern payload-pattern-byte;
            }
            max-queues-per-interface (8 | 4);
            no-concatenate;
          }
  
```

Hierarchy Level [edit chassis fpc *slot-number*]

Description Configure properties for an individual PIC.

Options *pic-number*—Slot number in which the PIC is installed.
Range: 0 through 3

The remaining statements are explained separately in this chapter.

Usage Guidelines See “Configuring SONET/SDH Framing” on page 720, “Configuring Channelized PIC Operation” on page 722, “Configuring Channelized DS3-to-DS0 Naming” on page 723, and “Configuring Channelized E1 Naming” on page 725.

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

pic (TX Matrix Platform)

Syntax	<pre>pic <i>pic-number</i> { atm-cell-relay-accumulation; atm-l2circuit-mode (cell aal5 trunk <i>trunk</i>); framing (sdh sonet); idle-cell-format { itu-t; payload-pattern <i>payload-pattern-byte</i>; } max-queues-per-interface (8 4); no-concatenate; }</pre>
Hierarchy Level	[edit chassis lcc <i>number</i> fpc <i>slot-number</i>]
Description	On a TX Matrix platform, configure properties for an individual PIC.
Options	<p><i>pic-number</i>—Slot number in which the PIC is installed. Range: 0 through 3</p> <p>The remaining statements are explained separately in this chapter.</p>
Usage Guidelines	See “Configuring SONET/SDH Framing” on page 720.
Required Privilege Level	<p>interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.</p>
See Also	“TX Matrix Platform and T640 Routing Node Configuration Guidelines” on page 742.

port

Syntax	port <i>port-number</i> ;
Hierarchy Level	[edit chassis fpc <i>slot-number</i> pic <i>pic-number</i> ct3]
Description	<p>Configure the channelized T3 port number on the PIC. Range: 0 through 1</p>
Usage Guidelines	See “Configuring Channelized DS3-to-DS0 Naming” on page 723.
Required Privilege Level	<p>interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.</p>

redundancy

Syntax	<pre> redundancy { failover { on-disk-failure; on-loss-of-keepalives; } keepalive-time <i>seconds</i>; routing-engine <i>slot-number</i> (backup disabled master); sfm <i>slot-number</i> (always preferred); ssb <i>slot-number</i> (always preferred); } </pre>
Hierarchy Level	[edit chassis]
Description	Configure a redundant Routing Engine, System and Switch Board (SSB), or Switching and Forwarding Board (SFM) in the chassis as a secondary backup for the chassis. By default, the Routing Engine in slot 0 is the master Routing Engine and the Routing Engine in slot 1 is the backup Routing Engine. The switchover from the master Routing Engine to the backup Routing Engine is performed manually. This feature can be used for software upgrades. New software can be loaded on the backup Routing Engine and when the Routing Engine is ready, you can switch the mastership over, with a brief interruption in traffic.
Options	The statements are explained separately.
Usage Guidelines	See “Configuring Redundancy” on page 733.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

routing-engine

Syntax	routing-engine <i>slot-number</i> (backup disabled master);
Hierarchy Level	[edit chassis redundancy]
Description	Configure a redundant Routing Engine in the chassis as a secondary backup for the chassis. By default, the Routing Engine in slot 0 is the master Routing Engine and the Routing Engine in slot 1 is the backup Routing Engine. The switchover from the master Routing Engine to the backup Routing Engine is performed manually. This feature can be used for software upgrades. New software can be loaded on the backup Routing Engine, and when the Routing Engine is ready, you can switch the mastership over, with a brief interruption in traffic.
Options	<i>slot number</i> —Specify which slot is the master and which is the backup. master—Routing Engine in the specified slot is the master. backup—Routing Engine in the specified slot is the backup. disabled—Routing Engine in the specified slot is disabled.

Usage Guidelines See “Configuring Routing Engine Redundancy” on page 733.

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

sfm

Syntax `sfm slot-number (always | preferred);`

Hierarchy Level [edit chassis redundancy]

Description For M40e Internet routers with two SFMs, configure which is the master and which is the backup. By default, the SFM in slot 0 is the master and the one in slot 1 is the backup.



NOTE: SFM redundancy is for M40e routers only.

Options `slot number`—Specify which slot is the master and which is the backup.

`always`—Defines this SFM as the sole device.

`preferred`—Defines this SFM as the preferred device of at least two.

Usage Guidelines See “Configuring SFM Redundancy” on page 740.

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

sonet

Syntax `sonet {
 device-count number;
}`

Hierarchy Level [edit chassis aggregated-devices]

Description Configure properties for SONET/SDH aggregated devices on the router.

Usage Guidelines See “Configuring Aggregated Devices” on page 698.

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

source-route

Syntax	(source-route no-source-route);
Hierarchy Level	[edit chassis]
Description	Configure whether IP traffic with source-route constraints (loose or strict) is forwarded or discarded.
Options	no-source-route—Discard IP traffic that has loose or strict source-route constraints. Use this option when you want the router to use only the IP destination address on transit traffic for forwarding decisions. source-route—Forward IP traffic that has loose or strict source-route constraints.
Default	source-route
Usage Guidelines	See “Configuring the Drop Policy for Traffic with Source-Route Constraints” on page 729.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

sparse-dlcis

Syntax	sparse-dlcis;
Hierarchy Level	[edit chassis fpc <i>slot-number</i> pic <i>pic-number</i>];
Description	Support a full data-link connection identifier (DLCI) range (1 through 1022). This allows you to use circuit cross-connect (CCC) and translation cross-connect (TCC) features by means of Frame Relay on T1 and E1 interfaces.
Usage Guidelines	See “Configuring Sparse DLCI Mode” on page 721.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.

ssb

Syntax	ssb <i>slot-number</i> (always preferred);
Hierarchy Level	[edit chassis redundancy]
Description	For M20 Internet routers with two SSBs, you can configure which is the master and which is the backup. By default, the SSB in slot 0 is the master and the one in slot 1 is the backup.
Options	<i>slot number</i> —Specify which slot is the master and which is the backup. always—Defines this SSB as the sole device. preferred—Defines this SSB as the preferred device of at least two.

Usage Guidelines See “Configuring SSB Redundancy” on page 740.

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

t1

Syntax t1 *link-number* {
 channel-group *group-number* timeslots *slot-number*;
}

Hierarchy Level [edit chassis fpc *slot-number* pic *pic-number* ct3 port *port-number*];

Description Configure channelized T1 port and channel specifications.

Options *link-number*—T1 link.
Range: 0 through 27 for DS0 naming

The remaining statements are explained separately in this chapter.

Usage Guidelines See “Configuring Channelized DS3-to-DS0 Naming” on page 723.

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

timeslots

Syntax timeslots *slot-number*;

Hierarchy Level [edit chassis fpc *slot-number* pic *pic-number* ct3 port *port-number* t1 *link-number*],
[edit chassis fpc *slot-number* pic *pic-number* ce1 e1 *port-number*]

Description For E1 or T1 interfaces, allocate the specific timeslots by number.

Options *slot-number*—Actual timeslot number(s) allocated.
Range: 1 through 24 for T1 and 1 through 32 for E1
Default: All timeslots for T1 and all timeslots for E1

Usage Guidelines See “Configuring Channelized DS3-to-DS0 Naming” on page 723 and “Configuring Channelized E1 Naming” on page 725.

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

vrf-mtu-check

Syntax	vrf-mtu-check;
Hierarchy Level	[edit chassis]
Description	On M-series routers (except the M320 router), configure path maximum transmission unit (MTU) checks on the outgoing interface for unicast traffic routed on a virtual private network (VPN) routing and forwarding (VRF) instance.
Default	Disabled.
Usage Guidelines	See “Configuring an MTU Path Check for a Routing Instance” on page 732.
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> .

vtmapping

Syntax	vtmapping (klm itu-t);
Hierarchy Level	[edit chassis fpc slot-number pic pic-number]
Description	Configure virtual tributary mapping.
Options	klm—KLM standard. itu-t—International Telephony Union standard.
Default	klm
Usage Guidelines	See “Configuring Channelized STM1 Interface Virtual Tributary Mapping” on page 727.
Required Privilege Level	interface—To view this statement in the configuration. interface-control—To add this statement to the configuration.