

## loopback (ADSL, DS0, E1/E3, SONET/SDH, SHDSL, and T1/T3)

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**Syntax** loopback (local | payload | remote);

**Hierarchy Level** [edit interfaces *ce1-fpc/pic/port*],  
[edit interfaces *ct1-fpc/pic/port*],  
[edit interfaces *t1-fpc/pic/port*],  
[edit interfaces *interface-name* ds0-options],  
[edit interfaces *interface-name* dsl-options],  
[edit interfaces *interface-name* e1-options],  
[edit interfaces *interface-name* e3-options],  
[edit interfaces *interface-name* shdsl-options],  
[edit interfaces *interface-name* sonet-options],  
[edit interfaces *interface-name* t1-options],  
[edit interfaces *interface-name* t3-options]

**Release Information** Statement introduced before JUNOS Release 7.4.

**Description** Configure a loopback connection. To turn off the loopback capability, remove the `loopback` statement from the configuration.



**NOTE:** When configuring CE1 or CT1 interfaces on 10-port Channelized E1/T1 IQE PICs, the `loopback` statement must be included with the `local` or `remote` option at the [edit interfaces *ce1-fpc/pic/port*] or [edit interfaces *ct1-fpc/pic/port*] hierarchy level as appropriate.

When configuring T1 interfaces on 10-port Channelized E1/T1 IQE PICs, the `loopback` statement must be included with the `payload` option at the [edit interfaces *t1-fpc/pic/port*] hierarchy level.

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To configure loopback on channelized IQ and IQE PICs, SONET/SDH level, use the `sonet-options loopback` statement `local` and `remote` options at the controller interface (coc48, cstm16, coc12, cstm4, coc3, cstm1). It is ignored for path-level interfaces *so-fpc/pic/port* or *so-fpc/pic/port:channel*.

**Options** `local`—Loop packets, including both data and timing information, back on the local router's PIC. NxDS0 IQ interfaces do not support local loopback.

`payload`—For channelized T3, T1, and NxDS0 IQ interfaces only, loop back data only (without clocking information) on the remote router's PIC. With payload loopback, overhead is recalculated. Neither ATM-over-asymmetrical digital subscriber line (ADSL) interfaces nor ATM-over-SHDSL interfaces support payload loopback.

`remote`—Loop packets, including both data and timing information, back on the remote router's interface card. NxDS0 IQ interfaces do not support remote loopback. ATM-over-ADSL interfaces do not support payload loopback.

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

- Related Topics**
- Configuring E3 and T3 Parameters on ATM Interfaces
  - Configuring E1 Loopback Capability
  - Configuring E3 Loopback Capability
  - Configuring Channelized IQ and IQE SONET/SDH Loop Timing
  - Configuring SHDSL Operating Mode on an ATM Physical Interface
  - Configuring T1 Loopback Capability
  - Configuring T3 Loopback Capability
  - feac-loop-respond

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