

## Configure a Local Loopback

---

**Action** To configure a local loopback without physically connecting the transmit port to the receive port, follow these steps:

1. In configuration mode, go to the following hierarchy level:

```
[edit]
user@host# edit interfaces interface-name (fastether-options | gigheter-options)
```

2. Configure the local loopback:

```
[edit interfaces interface-name (fastether-options | gigheter-options)]
user@host# set loopback
```

3. Verify the configuration:

```
user@host# show
```

For example:

```
[edit interfaces fe-1/0/0 fastether-options]
user@host# show
loopback;
```

4. Commit the change:

```
user@host# commit
```

For example:

```
[edit interfaces fe-1/0/0 fastether-options]
user@host# commit
commit complete
```

When you create a local loopback, you create an internal loop on the interface being tested. A local loopback loops the traffic internally on that PIC. A local loopback tests the interconnection of the PIC but does not test the transmit and receive ports. On an Ethernet interface, you cannot create a remote loopback, therefore there is no option to use a **local** or **remote** statement. Simply including the **loopback** statement at the `[edit interfaces interface-name (fastether-options | gigheter-options)]` hierarchy level, places the interface into local loopback mode.



**NOTE:** Remember to delete the loopback statement after completing the test.

---