

## Configuring the PPP Restart Timers

---

You can configure a restart timer for the Link Control Protocol (LCP) and Network Control Protocol (NCP) components of a PPP session. You can configure the LCP restart timer on interfaces with PPP, PPP TCC, PPP over Ethernet, PPP over ATM, and PPP over Frame Relay encapsulations. You can configure the NCP restart timer on interfaces with PPP and PPP TCC encapsulations and on multilink PPP bundle interfaces.

To configure the restart timer for the NCP component of a PPP session, include the `ncp-restart-timer` statement, and specify the number of milliseconds.

To configure the restart timer for the LCP component of a PPP session, include the `lcp-restart-timer` statement, and specify the number of milliseconds:

```
lcp-restart-timer milliseconds;  
ncp-restart-timer milliseconds;
```

You can include these statements at the following hierarchy levels:

- [edit interfaces *interface-name* unit *logical-unit-number* ppp-options]
- [edit logical-systems *logical-system-name* interfaces *interface-name* unit *logical-unit-number* ppp-options]

To monitor the configuration, issue the `show interfaces interface-name` command. Configured options are displayed in the **PPP parameters** field for the physical interface.

```
user@host> run show interfaces t1-0/0/0:1:1.0 detail  
Logical interface t1-0/0/0:1:1.0 (Index 67) (SNMP ifIndex 40)  
(Generation 156)  
Flags: Hardware-Down Device-Down Point-To-Point SNMP-Traps 0x4000  
Encapsulation: PPP  
PPP parameters:  
  LCP restart timer: 2000 msec  
  NCP restart timer: 2000 msec  
Protocol inet, MTU: 1500, Generation: 163, Route table: 0  
Flags: Protocol-Down  
Addresses, Flags: Dest-route-down Is-Preferred Is-Primary  
  Destination: 1.1.1/24, Local: 1.1.1.2, Broadcast: 1.1.1.255,
```

