

Configuring the Maximum Number of ATM1 VCs on a VP

For ATM1 interfaces, you must configure the maximum number of virtual circuits (VCs) allowed on a virtual path (VP) so that sufficient memory on the ATM1 PIC can be allocated for each VC.

To configure the highest-numbered VCs on a VP, include the `maximum-vcs` and `vpi` statements at the `[edit interfaces interface-name atm-options]` hierarchy level:

```
[edit interfaces interface-name atm-options]
[Unresolved xref] vpi-identifier {
    maximum-vcs maximum-vcs;
}
```

The VP identifier can be a value from 0 through 255. For most interfaces, you can define a maximum of 4090 VCs per interface, and some interfaces have higher limits. Promiscuous mode removes these limits. For more information, see [Configuring ATM Cell-Relay Promiscuous Mode](#).

All VPIs that you configure in the `atm-options` statement are stored in a single table. If you modify the VPIs—for example, by editing them in configuration mode or by issuing a `load override` command—all VCs on the interface are closed and then reopened, resulting in a temporary loss of connectivity for all the VCs on the interface.

You can also include some of the statements in the `sonet-options` statement to set SONET/SDH parameters on ATM interfaces, as described in [Configuring SONET/SDH Parameters on ATM Interfaces](#).

