

Configuring an ATM1 Cell-Relay Circuit

For ATM1 interfaces, you can create an ATM cell-relay circuit by configuring an entire ATM physical device or an individual VC. When you configure an entire device, only cell-relay encapsulation is allowed on the logical interfaces; for ATM1 PICs, you use the `atm-options` statement to control the number and location of VCs. The configuration of allowed VCs on both ingress and egress ATM interfaces should be the same. For most interfaces, you can define a maximum of 4090 VCs per interface. The highest-numbered VC value you can configure is 4089. Promiscuous mode removes these limits. For more information, see *Configuring ATM Cell-Relay Promiscuous Mode*.

For ATM1 interfaces, if you are dedicating the entire device to a cell-relay circuit, include the `allow-any-vci` statement in the configuration of `unit 0`:

```
allow-any-vci;
```

You can include this statement at the following hierarchy levels:

- [edit interfaces *interface-name* unit 0]
- [edit logical-systems *logical-system-name* interfaces *interface-name* unit 0]

Once you include this statement, you cannot configure other logical interfaces in the same physical interface.



NOTE: When you use ATM CCC cell-relay encapsulation, you must configure the logical encapsulation as `atm-ccc-cell-relay`. You cannot mix different logical encapsulation types on an interface that you have configured with ATM CCC cell-relay physical encapsulation.

Example: Configuring an ATM1 Cell-Relay Circuit

Configure an ATM1 cell-relay circuit:

```
[edit interfaces at-1/2/0]
encapsulation atm-ccc-cell-relay;
atm-options {
  pic-type atm1;
  vpi 0 maximum-vcs 256;
}
unit 0 {
  point-to-point;
  encapsulation atm-ccc-cell-relay;
  allow-any-vci;
}
```

Configuring an Individual VC on a Logical Interface

```
[edit interfaces at-1/1/0]
encapsulation atm-ccc-cell-relay;
atm-options {
  pic-type atm1;
```

	<pre> vpi 0 maximum-vcs 256; } unit 120 { encapsulation atm-ccc-cell-relay; vci 0.120; } </pre>
Configuring Nonpromiscuous Port Mode	<pre> [edit interfaces at-0/0/1] encapsulation atm-ccc-cell-relay; atm-options { pic-type atm1; vpi 0 { maximum-vcs 100; } vpi 1 { maximum-vcs 300; } vpi 4 { maximum-vcs 200; } } unit 0 { encapsulation atm-ccc-cell-relay; allow-any-vci; } </pre>
Configuring Nonpromiscuous VPI Mode	<pre> [edit interfaces at-0/0/1] encapsulation atm-ccc-cell-relay; atm-options { pic-type atm1; vpi 0 { maximum-vcs 100; } } unit 0 { encapsulation atm-ccc-cell-relay; vpi 0; } </pre>
Configuring Nonpromiscuous VCI Mode	<pre> [edit interfaces at-0/0/1] encapsulation atm-ccc-cell-relay; atm-options { pic-type atm1; vpi 0 { maximum-vcs 100; } } unit 0 { encapsulation atm-ccc-cell-relay; vci 0.50 } </pre>