



# Virtual Template Interface Commands

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The Virtual Template Interface Service feature provides a generic service that can be used to apply predefined configurations (virtual template interfaces) in dynamically creating and freeing virtual access interfaces as needed.

This feature is supported on all platforms that support Multilink PPP.

For virtual template interface configuration tasks and examples, refer to the “Configuring Virtual Template Interfaces” chapter in the *Dial Solutions Configuration Guide*.





## show interfaces virtual-access

To display status, traffic data, and configuration information about a specified virtual access interface, use the **show interfaces virtual-access EXEC** command.

**show interfaces virtual-access** *number* [**configuration**]

### Syntax Description

<i>number</i>	Number of the virtual access interface.
<b>configuration</b>	(Optional) Restricts output to configuration information.

### Command Mode

EXEC

### Usage Guidelines

This command first appeared in Cisco IOS Release 11.2 F.

### Sample Display

The following is sample output of the **show interfaces virtual-access EXEC** command.

```
Router# show interfaces virtual-access 1

Virtual-Access1 is up, line protocol is up
  Hardware is Virtual Access interface
  Interface is unnumbered. Using address of Ethernet0 (172.21.114.132)
  MTU 1500 bytes, BW 64 Kbit, DLY 100000 usec, rely 255/255, load 1/255
  Encapsulation PPP, loopback not set, keepalive set (10 sec)
  DTR is pulsed for 5 seconds on reset
  LCP Open, multilink Closed
  Open: IPCP, CDP
  Last input 5d04h, output never, output hang never
  Last clearing of "show interface" counters 00:06:42
  Queueing strategy: fifo
  Output queue 0/40, 0 drops; input queue 0/75, 0 drops
  5 minute input rate 0 bits/sec, 0 packets/sec
  5 minute output rate 0 bits/sec, 0 packets/sec
    76 packets input, 3658 bytes, 0 no buffer
    Received 0 broadcasts, 0 runts, 0 giants
    0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored, 0 abort
    141 packets output, 2909 bytes, 0 underruns
    0 output errors, 0 collisions, 0 interface resets
    0 output buffer failures, 0 output buffers swapped out
    0 carrier transitions
```

Table 117 describes the fields in this output that are most significant to virtual access interfaces.

**Table 117 Show Interfaces Virtual-Access Field Descriptions**

Field	Description
Virtual-Access1 is up, line protocol is up	Virtual access interface is up and the line can be used.
Hardware is Virtual Access interface	Hardware used for the incoming calls is not a static characteristic of virtual access interfaces.
Interface is unnumbered. Using address of Ethernet0	Virtual template interface cloned on this interface included the <b>ip unnumbered ethernet 0</b> command.
Encapsulation PPP	Virtual template interface cloned on this interface included the <b>encapsulation ppp</b> command.
LCP Open, multilink Closed	Link Control Protocol has established a connection and the Opened state is in effect, but no Multilink PPP connection is established.
Open: IPCP, CDP	Internet Protocol Control Protocol has reached the Opened state.

