



# Virtual Template Interfaces Limit Expansion

---

**First Published: October 15, 2001**

**Last Updated: February 28, 2006**

The Virtual Template Interfaces Limit Expansion feature allows you to increase the maximum number of virtual template interfaces. Prior to this feature, the maximum number of virtual template interfaces allowed was only 25. This feature allows you to have up to 200 virtual template interfaces. A higher number of virtual template interfaces is required for configuring virtual private network (VPN) routing and forwarding (VRF) applications when you want to associate each virtual private dialup network (VPDN) customer to a VRF.

## History for the Virtual Template Interfaces Limit Expansion Feature

Release	Modification
12.2(4)T	This feature was introduced.
12.2(28)SB	This feature was integrated into Cisco IOS Release 12.2(28)SB.

## Finding Support Information for Platforms and Cisco IOS Software Images

Use Cisco Feature Navigator to find information about platform support and Cisco IOS software image support. Access Cisco Feature Navigator at <http://www.cisco.com/go/fn>. You must have an account on Cisco.com. If you do not have an account or have forgotten your username or password, click **Cancel** at the login dialog box and follow the instructions that appear.

## Command Reference

This section documents one modified command only.

- [interface virtual-template](#)



---

**Corporate Headquarters:**

**Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA**

© 2005–2006 Cisco Systems, Inc. All rights reserved.

# interface virtual-template

To create a virtual template interface that can be configured and applied dynamically in creating virtual access interfaces, use the **interface virtual-template** command in global configuration mode.

**interface virtual-template** *number*

## Syntax Description

<i>number</i>	Number used to identify the virtual template interface. Up to 200 virtual template interfaces can be configured.
---------------	--

## Defaults

No virtual template number is defined.

## Command Modes

Global configuration

## Command History

Release	Modification
11.2 F	This command was introduced.
12.2(4)T	This command was enhanced to increase the maximum number of virtual template interfaces from 25 to 200.
12.2(28)SB	This command was integrated into Cisco IOS Release 12.2(28)SB.

## Usage Guidelines

A virtual template interface is used to provide the configuration for dynamically created virtual access interfaces. It is created by users and can be saved in non volatile random access memory (NVRAM).

Once the virtual template interface is created, it can be configured in the same way as a serial interface.

Virtual template interfaces can be created and applied by various applications such as virtual profiles, virtual private dialup networks (VPDN), PPP over ATM, protocol translation, and Multichassis Multilink PPP (MMP).

## Examples

The following example creates and configures virtual template interface 1:

```
interface virtual-template 1
 ip unnumbered ethernet 0
 ppp multilink
 ppp authentication chap
```

---

CCVP, the Cisco logo, and Welcome to the Human Network are trademarks of Cisco Systems, Inc.; Changing the Way We Work, Live, Play, and Learn is a service mark of Cisco Systems, Inc.; and Access Registrar, Aironet, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, CCSP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Enterprise/Solver, EtherChannel, EtherFast, EtherSwitch, Fast Step, Follow Me Browsing, FormShare, GigaDrive, HomeLink, Internet Quotient, IOS, iPhone, IP/TV, iQ Expertise, the iQ logo, iQ Net Readiness Scorecard, iQuick Study, LightStream, Linksys, MeetingPlace, MGX, Networkers, Networking Academy, Network Registrar, PIX, ProConnect, ScriptShare, SMARTnet, StackWise, The Fastest Way to Increase Your Internet Quotient, and TransPath are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or Website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0711R)

Any Internet Protocol (IP) addresses used in this document are not intended to be actual addresses. Any examples, command display output, and figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses in illustrative content is unintentional and coincidental.

© 2005–2006 Cisco Systems, Inc. All rights reserved.