

# Cisco Hardware and VPN Clients Supporting IPsec/PPTP/L2TP

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## Introduction

This document shows which versions of Cisco VPN Clients, VPN Concentrators, Cisco IOS® Software, and the PIX Firewall support IPsec/Point-to-Point Tunneling Protocol (PPTP).

## Prerequisites

### Requirements

There are no specific requirements for this document.

### Components Used

The information in this document is based on these software and hardware versions.

- Cisco IOS Software Releases 12.2.8T and later
- Cisco VPN 3000 Concentrator
- Cisco VPN 5000 Concentrator (Cisco has announced the end of sales for the Cisco VPN 5000)

Series Concentrators. Refer to the [End-of-Sales Announcement](#) for more information.)

- Cisco Secure PIX Firewall and Cisco PIX Firewall Software 5.0.x through 6.3.x
- Cisco Secure VPN Client (CSVPN) 1.0 and 1.1

Refer to [EOS and EOL Product Bulletin # 2224](#) for more information.

- Cisco VPN Client (CVPN) 2.5 and later
- Microsoft Windows 9.x, ME, SE, XP, NT 4.0, 2000, and XP
- Solaris 2.6
- Linux 2.2.12 and 2.2.14
- Mac OS 9, 10.0 (Mac OS X), 10.1, and later

In order to obtain the latest VPN software, visit the Cisco resource center for [VPN Software Download](#) ([registered](#) customers only) . Refer also to all Security and VPN [End-of-Sale and End-of-Life](#) product literature.

## Conventions

Refer to [Cisco Technical Tips Conventions](#) for more information on document conventions.

## IPsec/PPTP Support


Supported versions are listed as client version/hardware operating system version. For example, the listing "CVPN 5000 Client 5.1.7 / 5.2.22" in the Cisco VPN 5000 Concentrator column and the Windows 9x row means that IPsec/PPTP is supported when:

- the end user's PC with Windows 9x
- runs Cisco VPN 5000 Client version 5.1.7
- and connects to the Cisco VPN 5000 Concentrator
- which runs VPN Concentrator software version 5.2.22

See [Table Notes](#) for information about the abbreviations used in this table.



	Client Version/ Hardware Operating System Version			
Client OS	Cisco IOS Software on an IOS device	Cisco VPN 3000 Concentrator	Cisco VPN 5000 Concentrator	Cisco PIX Firewall

Windows 9x++	CSVPN 1.1 / 12.0.7T+	CVPN 3000 Client 2.5.x+	CVPN 5000 Client 5.1.7 / 5.2.22	CSVPN 1.1 / 5.1.x+
	CVPN 3.x / 12.2.8T or 12.3	CVPN 3000 Client 2.5.x / 2.5.x+		CSVPN 1.0 / 5.0.x
		CVPN 3000 Client 3.x+ / 3.x+		CVPN 3000 Client 2.5.2 / 5.2.x+
				CVPN Client 3.x+ / 6.0.x+
Windows ME	CVPN 3.x / 12.2.8T or 12.3	CVPN 3000 Client 3.x+ / 3.x+	CVPN 5000 Client 5.1.7 / 5.2.22	CVPN 3.x+ / 6.0.x+
Windows NT 4.0	CSVPN 1.1 / 12.0.7T+	CVPN 3000 Client 2.5.x+	CVPN 5000 Client 5.1.7 / 5.2.22	CSVPN 1.1 / 5.1.x+
	CVPN 3.x / 12.2.8T or 12.3	CVPN 3000 Client 2.5.x / 2.5.x+		CSVPN 1.0 / 5.0.x
		CVPN Client 3.x + / 3.x+		CVPN 3000 Client 2.5.2 / 5.2.x+
				CVPN Client 3.x+ / 6.0.x+
Windows 2000	CVPN 3.x / 12.2.8T or 12.3	CVPN 3000 Client 3.x / 3.x	CVPN 5000 Client 5.1.7 / 5.2.22, 5.1.10 (3DES available)	CVPN Client 3.x+ / 6.0.x+

Windows XP	CVPN 3.1.2+ / 12.2.8T or 12.3	CVPN 3000 Client 3.1.2+ / 3.x	CVPN 5000 Client 5.1.10 (3DES available) /5.2.22 [XP Home Edition or Professional]	CVPN Client 3.1+ / 6.0.x+
Palm PDA/Palm OS 3.5		MovianVPN***/3.x		
Handheld or Pocket PC/ Windows CE		MovianVPN***/3.x		
Solaris 2.6	CVPN Client 3.X/12.2.8T	CVPN Client 3.5 for Solaris / 3.5	CVPN 5000 Client 5.0.8 / 5.2.22	CVPN Client 3.5 for Solaris / 6.x
Mac OS 8**** and 9****		**** <a href="#">Netlock</a> 	CVPN 5000 Client 5.0.3 / 5.2.22	
Mac OS 10.0 or Mac OS X*	CVPN Client 3.X/12.2.8T	CVPN Client 3.5 for Mac OS X / 3.5	CVPN 5000 Client 5.1.2	CVPN Client 3.5 for Mac OS X / 6.x
Mac OS X.1	CVPN Client 3.X/12.2.8T	CVPN Client 3.5 for Mac OS X / 3.5	CVPN 5000 Client 5.1.4 <a href="#">Release Notes</a>	
Mac OS X and 10.1.0 or later	CVPN Client 3.6/12.2.8T	CVPN Client 3.6 for Mac OS X, Version 10.1.0 or later / 3.0 or later		Version 6.1(1) or later

Linux 2.2.12 (Red Hat 6.2 Linux (Intel) or compatible distribution, using kernel Version 2.2.12 or later)	CVPN Client 3.X/12.2.8T	CVPN 3000 Client 3.0.8+ / 3.x+		
Linux	CVPN Client 3.X/12.2.8T	CVPN Client 3.5 for Linux / 3.5		CVPN Client 3.5 for Linux / 3.5
Linux 2.2.14	CVPN Client 3.X/12.2.8T		CVPN 5000 Client 5.0.19 / 5.2.14	
Linux (Intel) Kernel 2.2.5	CVPN Client 3.X/12.2.8T		CVPN 5000 Client 5.2.X	
Microsoft PPTP	Microsoft native PPTP/ 12.1.5T+	Microsoft native PPTP / 2.5+		Microsoft native PPTP / 5.2+
3002		CVPN Hardware Client 3.0+ / 3.0+		CVPN Hardware Client 3.0+ / 6.0+
L2TP/IPSec	Microsoft native/ 12.0.7T+	Microsoft native / 2.5+		Microsoft native / 6.0+

## Table Notes

- CVPN is the Cisco VPN Client (versions 2.x and above), not the Cisco Secure VPN Client (version 1.x only).
- CSVPN is the Cisco Secure VPN Client.
- + Support continues to all later versions.
- ++ Windows 98 Second Edition (SE) support added in VPN 3.0 Client. The VPN 3.1 Client requires Operating System Release 2 (OSR2) of Windows 95.
- \* There is no DES version available for Mac X release, only 3DES.
- \*\*\* The MovianVPN client is now End-of-Life; refer to [Product Status - End of Life](#)  for more information.
- \*\*\*\* Cisco does not Original Equipment Manufacture (OEM) a Mac OS 8 or 9 VPN Client. A VPN Client for use with the VPN 3000 Concentrators is available from [Netlock](#) .

## NetPro Discussion Forums - Featured Conversations

Networking Professionals Connection is a forum for networking professionals to share questions, suggestions, and information about networking solutions, products, and technologies. The featured links are some of the most recent conversations available in this technology.

<a href="#">NetPro Discussion Forums - Featured Conversations for VPN</a>
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<a href="#">Service Providers: Network Management</a>
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<a href="#">Virtual Private Networks: Security</a>
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<a href="#">Virtual Private Networks: General</a>
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## Related Information

- [IPsec Negotiation/IKE Protocol Support Page](#)
- [Security and VPN End-of-Sale and End-of-Life Products](#)
- [Cisco VPN 3000 Series Concentrator Support Page](#)
- [Cisco VPN 3000 Series Client Support Page](#)

- [Cisco VPN 5000 Concentrator Support Page](#)
- [Cisco VPN 5000 Client Support Page](#)
- [Cisco VPN Client Support Page](#)
- [PPTP Support Page](#)
- [RFC 2637: Point-to-Point Tunneling Protocol \(PPTP\)](#) 
- [Technical Support & Documentation - Cisco Systems](#)

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