

Avaya VPN Client Release Notes – VPN Client Software Release 10.04.016

Avaya VPN Client Release 10.04.016

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The following sections details what's new in Avaya VPN Client Release Notes — VPN Client Software Release 10.04.016 (NN46110-411).

- "Features"
- "Other changes"

Features

- This release provides support to editions of Windows XP, Windows Vista and Windows 7 operating systems. See "Supported platforms" on page 17 for a full list of supported editions.
- On XP, this release provides domain logon through a Two-Step logon. See "Domain logon on XP using Two-step login" on page 17 for information on XP login.
- This release added automatic proxy detection. See "Automatic proxy detection" on page 17 for more information on automatic proxy detection.
- This release fixed a mobile adaptor support issue in Windows 7. See "Mobile Broadband Adapter support" on page 18

Other changes

See the following section for information about changes that are not feature-related.

Document changes

The following information is updated for this release:

• "Fixes and Enhancements in this Release" on page 19

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These release notes contain the latest information about Avaya VPN Client Version 10.04.016.

Before you begin

This document is intended for network managers who are responsible for the Avaya VPN Client. It is assumed that you have experience with windowing systems or graphical user interfaces (GUI) and familiarity with network management.

Text conventions

This guide uses the following text conventions:

angle brackets (<>)	Indicate that you choose the text to enter based on the description inside the brackets. Do not type the brackets when entering the command.
	Example: If the command syntax is ping <ip_address>, you enter ping 192.32.10.12</ip_address>
bold Courier text	Indicates command names and options and text that you need to enter.
	Example: Use the show health command.
	Example: Enter terminal paging {off on}.
braces ({ })	Indicate required elements in syntax descriptions where there is more than one option. You must choose only one of the options. Do not type the braces when entering the command.
	Example: If the command syntax is ldap-server source {external internal}, you must enter either ldap-server source external or ldap-server source internal, but not both.

brackets ([])	Indicate optional elements in syntax descriptions. Do not type the brackets when entering the command. Example: If the command syntax is show ntp [associations], you can enter either show ntp or show ntp associations.
	Example: If the command syntax is default rsvp [token-bucket {depth rate}], you can enter default rsvp, default rsvp token-bucket depth, or default rsvp token-bucket rate.
italic text	Indicates new terms, book titles, and variables in command syntax descriptions. Where a variable is two or more words, the words are connected by an underscore.
	Example: If the command syntax is ping <ip_address>, ip_address is one variable and you substitute one value for it.</ip_address>
plain Courier text	Indicates system output, for example, prompts and system messages. Example: File not found.
separator (>)	Shows menu paths.
	Example: Choose Status > Health Check.
vertical line ()	Separates choices for command keywords and arguments. Enter only one of the choices. Do not type the vertical line when entering the command.
	Example: If the command syntax is terminal paging {off on}, you enter either terminal paging off or terminal paging on, but not both.

Related publications

For more information about the Avaya VPN Client, refer to the following publications:

• Avaya VPN Client — Configuration (NN46110-509) introduces the client product and provides information about initial setup and configuration.

- Avaya VPN Client Installation and Upgrades (NN46110-412) provides information about required tasks to install and upgrade the Client software.
- Avaya VPN Router Configuration Tunnel Guard (NN46110-307) provides information about configuring and using the Tunnel Guard feature.

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Supported platforms

This release provides support to the following Windows Single and Dual processor 32 and 64 bit operating system versions:

- Windows 7: Home Basic, Home Premium, Professional, Enterprise and Ultimate
- Vista: Home Basic, Home Premium, Business, Enterprise, and Ultimate
- XP: Home, Professional, and Tablet

Domain logon on XP using Two-step login

AVC provides PLAP feature for domain logon on Vista and Windows 7 operating systems. On XP, domain logon is achieved through a Two-Step logon.

For information about how to login AVC on Windows XP, see Avaya VPN Client — Configuration (NN46110-509).

Automatic proxy detection

Release 10.01 detected only manually configured proxy information in Internet Explorer while 10.04 can also detect:

- Automatic proxy detection using WPAD (Web Proxy Auto discovery Protocol)
- Automatic proxy detection using PAC script files (Proxy Auto Configuration)

Automatic configuration Automatic configuration use of manual settings,		
Automatically detect	settings	
Use automatic config	uration script	
Address		
Proxy server Use a proxy server f dial-up or VPN conne	or your LAN (These se ctions).	ettings will not apply I
Address:	Por <u>t</u> :	Advanged.
(III) constant and the second	rver for local addresse	e

Figure 1 Automatic Proxy Detection

Mobile Broadband Adapter support

The following issue was fixed in Release 10.04: Windows 7 users can not establish VPN connection over the Mobile Broadband (MB) internet connection, but they can establish VPN connection on the same machine over WLAN connection.

Chapter 2 Issues and considerations

This chapter describes issues resolved and considerations that apply to Version 10.04.016 of the Avaya VPN Client.

Fixes and Enhancements in this Release

The following table lists issues fixed in AVC release 10.04.012

Bug	Issue
Q02011571	Profiles can be edited while NoChangeProfile is set to true
Q02046562	Authentication fails in response only software token's new pin mode on Windows Vista
Q01961497-01	Enforcing screen saver password protection causes tunnel disconnection on 64-bit Windows Vista
Q02066665	Using RSA SecureID soft token for IPSec tunneling may cause authentication failure and unexpected exit
Q02036006	Added support of mobile broadband adapter on Windows 7
Q01922730	Added support for shortcut customization
Q01990731-01	Added support for CA certificate of user store
Q01925340	Added support for CRL verification of SSL server certificate
Q02088759	DNS Info is not getting deleted from registry even after an IPSec tunnel is disconnected
Q02087058	Added support for disconnect dialog's customization
Q02082665	DNS functionality is working intermittently
Q02069244	Certificate authentication fails with AVG
Q02065100	SSL tunnel up fails after upgrade install
Q02101997	Some vendors' NAT boxes may cause SSL tunnel time out

 Table 1
 Bugs fixed

Bug	Issue
Q02094191	Unable to bring up SSL tunnel with a server certificate that does not have CRL information
Q01778272-02	Added support for proxy auto configuration (PAC)
Q02050715	Added new parameter HideDriverInstallWarningMsg in NvcSetup.ini to control whether to hide the driver install warning messages on XP
Q02035248-01	Added support for installation in system account
Q02056359	File upload slow for IPSec Tunnel on Windows 7 and Vista
Q02118110	On very rare occasions, disconnecting IPSec tunnel may cause BSOD

Version 10.04 considerations

You must have administration privileges to install the VPN Client and you must copy the Client installation files to a local drive. You can lose network connectivity for a short time during the Client installation, but connectivity returns after the installation. In some instances, this causes problems with running network applications. To avoid any problems, always exit all programs before starting the installation process.

Q01887509 — IPsec tunnels send a passive keepalive every 15 seconds

In order to work around a possible issue with traffic flows timing-out in Microsoft Vista, the client sends passive keepalive packets to the server at an interval of 15 seconds.

Q01881759 — Long delays at launch

In some cases the launching of the AVC application may take longer than expected. In extreme cases the delay may be two or more minutes. Such a symptom may be due to .NET CRL checking behavior associated with an application that has a Microsoft Authenticode signature. Microsoft has documented this as a known issue with .NET Framework and has made a fix available. You can find more information on .NET at http:// support.microsoft.com/kb/936707. Note that Avaya provides the necessary exe.config file mentioned in the MS KB article. This file is put into place by the client installation.

Q01925268 — 10.01 AVC: Inaccurate packet capture with Wireshark

Live packet capture currently not supported with AVC 10.01 client in this release. Use the following workaround using DebugView. Please see the following CR for more details: **Q01927820** — **Please enhance the format of clear text packets**.

To capture packets with DebugView and convert the captured file into a .cap file, complete the following:

- 1 From AVC, chose Edit the profile, Manage Options, and then check Enable dumping clear text packets.
- **2** From your desktop, right-click on DebugView, and open with administrative rights on Vista.
- **3** From the DebugView Filter window, create a filter for NVC PKT. to remove extra information from DebugView, Type **nvc.pkt** into the **Include** box and then click **OK**.
- **4** From DebugView, click **Capture** from the overhead menu, and then select the following options for packet capturing:
 - Capture Win32
 - Capture Kernel
 - Enable Verbose Kernel Output
 - Pass-Through
 - Capture Events

5 Bring up the tunnel and start passing data. Logged packets in DebugView appear as shown in the following figure.

Figure 2 DebugView logs

iii 🖬 🗿	4, 8 - m 10 10 10 10 1 - 7 7 M	
1	Time Debug Print	
920	199 65667725 HVC PKT 70,4500004m552d00000011bd240a090m3m0000m1m00009003a06508857	
8943 1956	199 89071655 MVC PKT 40 4500003-552e0000001140-0-0-00-1-0-00-00000000000000	Inte
1966	200 32765398 NW, 1977 204 4500000055576000001	
000	200 32001019 NV: TRT 204 45000000553000000 [Heresoft Vinden: Nurgian S. (A. 4800)]	-
1994	500.3501200238AC-181.538.420000000223120000083	
1001	200 42109568 BVC FWT 78, 4500004#553200088 Ctallereshp.hp-PC3ping 10,9,10,9 -t	
1031	200 90472412 BWC FKT KD,450000325532000000	
1044	200.90550232 HWC PKT 40.4500003c422e00007c Pieging 18.9.18.9 with 32 hytes of data:	
054 068	201 10543180 WWC PKT 52 450000345534000001 [0:ply from 10.7.10.7: hyter-22 61ee-1mg TTL-122	
058	201 185577778 No. THA SA ADDODASSACOODDIN Reply from 18.7.10.74 hytes 22 time(100 TTL-127	
100	The second se	
1110	201.10/25506.0%_FAT_04.45400030410000040[hep1y_from 10.7;0.7; hytes=22_time(inv_TTL=137 201.25474655.0%_FNT_02.450003455550000010[hep1y_from 10.7; hytes=22_time(inv_TTL=137	
1124	201 29490662 MVC PUT 52 410000345555000001 Reply From 10.9.10.92 bytes -22 time(imu TTL-127	
1147	201 20141016 BWC FKT K4 414B0028alhho00040 Heply From 18.9.10.9: hytes=32 time-5ms IIL-122	
13.56	201 29552800 HVC PXT 56 40400028a1bd000040 Hep10 from 10.7 10.7 https://www.com/com/tth/10/	
1266	201.49800110 HWG-PKT:78.4500004e553600008080010 Free 10.9.10.9: hotes=22 time(im) TTL-122	
1289	201.01071643 NVC TKT 10.450000305537000080 Hepty From 10.9.10.91 hotes 32 time(int TTL-137	
1202	201.91949463 NVC PET 60.4500003c4222000071	
212	202 26105600 NVC FKT 70 4500004m553000000	
1238	202 93273926 WW. PHT 40 45000036538000000	
253	202 93829346 MVC FWT 40,4500003m423000007f 202 02427663 MVC FWT 70,4500004m5536000000	
285	202 7010526 WC PKT 52 45000046538000001	-
299	201 79205322 HVC PKT 52 45000044550000001	
322	201 79261760 NVC FKT 56 45400036a1c100004001b0170a090a750a090a1=0b00000000004500	
331	203 79275513 NVC PR7 56 45480038a1c300004001b0150a090a750a090a1e0b00c0ed000000004500	
1341	203.90011597 NWC FKT 52.45000034555c00000111665e0a090a1me000000fcc44914eb00205abd7069	
1355	203.90031433 MVC PNT 52 45000034553c00000111655a0s090s1ee0000000cc44914eb00295abd7869	
1378	203.90071105 MVC PET 16.45400038#1c500004001b0130m090m750m090m3#0b00c0mg000000004500	
1387	202 90006365 HWC FKT 56.45400038a10700004001b0110#090a750#090e1#0b0000b000000004500	
1296	203 93115234 WWC PWT 60,4500002c553d0000000bd4b0a090a1e0a090a0908004504000104d76162	

- 6 After capturing enough packets, from DebugView chose File, Save to save the log.
- 7 From your desktop, right-click on the NVCPacketParser Utility, and open with administrative rights on Vista. The Packet Parser window appears. From the Packet Parser window, click **File**, **Open** to open the created log file.
- 8 From Packet Parser, click File, Convert to convert the log file into a .cap file.
- **9** You can now use WireShark for opening and analyzing the capture.

Q01906688 — Application launch: Pre launch is not working for failover profiles.

Application prelaunch is not supported for failover profiles.

Q02060663 — Other users' profiles won't be uninstalled

Private profiles are stored under each user's private directory. When a user (including system account) uninstall the client, other users' profiles won't be uninstalled.

Q02051419 — Modifying an installed AVC is not supported

Once AVC is installed, it can only be uninstalled or upgraded. The "Modify" option is not supported.

Q02106133 — Attempt to bring up SSL tunnel second time through PLAP fails

In AVC PLAP, if users bring up an SSL tunnel, disconnect it, and then try to connect again, they will get an error of "VPN Adapter activation failed".

Version 10.04 known anomalies

The following sections describe issues that Avaya has determined to need to be corrected in a future release, but are not fixed in the current release.

Q01932592 — PLAP with certificates on smartcards is not functioning correctly

You cannot use the Prelogon Access Provider (PLAP) functionality in conjunction with digital certificate authentication. For PLAP to work with digital certificates, it requires a smartcard however, at this time, smartcards are not supported with PLAP. When you attempt to make a connection, the error message Failed to connect to following reason: Authentication failure appears. You can use digital certificates, including those used with smartcards, for VPN authentication but not with PLAP.

Q01934399-01 — Certificate authentication using subj alt name on 10.01 AVC client not working

When using subject alternative name certificate authentication on release 10.01 AVC, the client software sends only the first character for email and DNS subject alternative name. For ipaddress subject alternative name, an error shows during authentication on the AVR event log.

Q01930877 — 10.01 AVC: After the tunnel is down the remote desktop stops working

After raising a tunnel and then disconnecting it, when you try to connect with the Remote Desktop to the PC, the Remote Desktop stops working.

Q01953716 — VPN Client 10.01 when installed with Juniper client causes Blue Screen

Windows systems with VPN Client version 10.01 and Juniper Odyssey client may experience blue screens. It is not recommended to attempt to host both clients on the same PC. This issue is under investigation by Avaya.

Q01955020 — 10.01 AVC: PLAP loading status icon failure

In rare cases the status icon might not appear automatically if a VPN tunnel is established before the user has logged on to Windows Vista. Start the VPN client manually to make the status icon appear in the system tray.

Q01959272 — 10.01 AVC client: Blue screen due to OfficeScan kernal error

A blue screen of death occurs when you configure the OfficeScan Firewall on a PC. This issue is caused by the kernel stack overflow error when connecting to the Virtual Private Network (VPN). This is known issue documented from Trend Micro web site at http://esupport.trendmicro.com/support/viewxml.do?ContentID=EN-1036319&id=EN-1036319. To resolve this, apply the latest patch for OSCE 8.0 and restart your PC.

Q01961512 — 10.01 AVC client: ghost tunnel on AVR if AVC tunnel fails (screen saver)

A ghost tunnel will appear on the AVR if the screen saver password or Client Screen Saver Activation Time fails. This does not happen on clients older than 10.01 because older clients send ISAKMP packets to disconnect and 10.01 does not.

This is present on both 32 bit and 64 bit operating systems.

Q01963942 — 10.01 AVC client: GUI does not launch with PLAP after the service is stopped

The GUI does not launch with PLAP after the PLAP service is stopped.

Q02102587— No PIN prompt for SmartCard authentication on Windows 7 and Vista

On Windows 7 and Vista, certain vendors' smart cards don't pop up PIN prompt when user tries to connect. The client simply goes directly to the Connect status window and will stay there indefinitely. This is because AVC's calling process is a service and those smart cards don't fully support service on Windows 7 and Vista (due to "Session 0 isolation"). So far, we found Aladdin eToken working fine with our client while Gemalto v5.5 and SafeNet iKey 2000/2032 having issues with PIN prompt.

Q02066099— Installing v10.x client after uninstalling of a legacy client (pre 10.01) needs a reboot in between

Before installing a v10.x client (v10.01 and later) on a machine that had a legacy client (pre v10.01) just uninstalled, a reboot must be performed. Otherwise, connecting the newly installed v10.x client may fail with ""general system error".

In v10.04 installer, a check has been added to detect the existence of legacy client. If it's detected, a warning message will block the installation and instruct user to uninstall the old client first and then reboot. The warning also reminds users to back up their profiles and configuration before uninstall.

AVC v10.01 installer doesn't have this check. In case users run into the situation that both the legacy client and v10.01 get installed, it's very important to follow procedure below to clean up the machine:

- **1** Uninstall 10.01.
- **2** Reboot the machine.
- 3 Repair the legacy client. Go to Control Panel (set it to classic view)->Programs and Features->right click on the legacy AVC and select Repair.
- **4** Uninstall the legacy AVC.
- **5** Reboot the machine.
- **6** Now, the machine is ready for a new install of v10.04.

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