Avaya VPN Client
Software Release 10.06_200

1. Release Summary

Release Date   Jan 28th, 2013
Release Version   10.06_200
Prior Release   10.06_104 (Aug 8th, 2012)

Minor corrective content service pack to address customer and software issues.

2. Important Notes before Upgrading to This Release

Users who upgrade from a v10.05 or earlier release to v10.06 may receive the following error dialogue when attempting to establish an IPSec VPN tunnel – "Activation of VPN Adapter Failed". This issue occurs when AVC's filter adapter is not upgraded correctly during software installation.

Please refer to Section 9 (New Known Limitations) for further information.

3. Platforms Supported

The following operating systems including all available service packs are fully supported:

Microsoft Windows 8 (32-bit and 64-bit)
Microsoft Windows 7 (32-bit and 64-bit)
Microsoft Windows Vista (32-bit and 64-bit)
Microsoft Windows XP (32-bit and 64-bit)

4. VPN Server Support

The Avaya VPN client has been certified for use with the following Avaya Access Control and Unified Branch products:

Avaya VPN Gateway
Avaya Secure Router
Avaya VPN Router *

* The Avaya VPN Router is EoMS (End of Manufacturing Support) for Software. Support services are provided for the client software only.

5. Interoperability

The following represents a list of known interoperability issues with the Avaya VPN Client and 3rd Party Vendor operating systems or applications.

☐ **McAfee VirusScan** v8.8
Users of McAfee VirusScan v8.8 may experience a Blue Screen of Death (BSOD) at random times on active VPN connections. The vendor has identified mfewfpk.sys as the cause. A hotfix is available from the vendor as of October 2011 and is available in McAfee VirusScan v8.8 Repost 1 or above. Please apply the hotfix or use McAfee VirusScan v8.8 Repost 1 (or later release).

☐ **Microsoft Internet Explorer v8** (on Windows XP)
Microsoft has acknowledged that a bug exists in Internet Explorer 8 on Windows XP installations. Browsing websites (such as facebook.com) using Internet Explorer 8 may cause high CPU utilization.

☐ **Microsoft Windows 7 IPv6 6to4 Adapter Duplicates** (Microsoft KB980486)
The following issue affects Windows 7 installations. A new Microsoft 6to4 adapter (for IPv6 to IPv4 translation) is unexpectedly created after you restart Windows 7. Over time the number of 6to4 adapters will increase and potentially lead to improper routing table alteration. This prevents the VPN Client from creating a VPN tunnel.

Microsoft has provided a hot fix for this problem and is documented by Microsoft KB 980486. More information can be found @ http://support.microsoft.com/kb/980486.

☐ **Avaya NetDirect Client**
The Avaya VPN Client (AVC) must not be installed on the same client machine in which either the Avaya VPN Gateway (AVG) NetDirect Installable Client (NDIC) or NetDirect portable client (ActiveX or Java-based) is installed, or vice-versa. Doing so may result in unexpected client behaviors. The AVC client may report "Failed to Activate the VPN Adapter". Ensure that conflicting clients are uninstalled prior to installation of either AVC or NDIC/NetDirect.

☐ **DNS Binding Priority with Windows Operating Systems**
By design, Windows operating systems will prioritize 3G, 4G, WWAN (Mobile Broadband) or PPP broadband NICs (Network Interface Cards) at a higher priority than standard locally attached NICs. This prioritization supersedes the DNS server information assigned by the Avaya VPN Client to the Avaya VPN Adapter installed on the host machine. As a result the Avaya VPN Client may not work as expected when used with such 3G, 4G, WWAN (Mobile Broadband) or PPP adapters. Clients may experience the inability to correctly perform DNS (Domain Name System) address resolutions or resolve FQDN (Fully Qualified Domain Names). As a result applications may not function as expected if DNS or FQDN addresses are not resolved correctly.

While this issue will mostly affect 3G, 4G, WWAN (Mobile Broadband) or PPP adapters it can apply to any locally installed or attached NIC on the host operating system depending on the adapter binding priority.
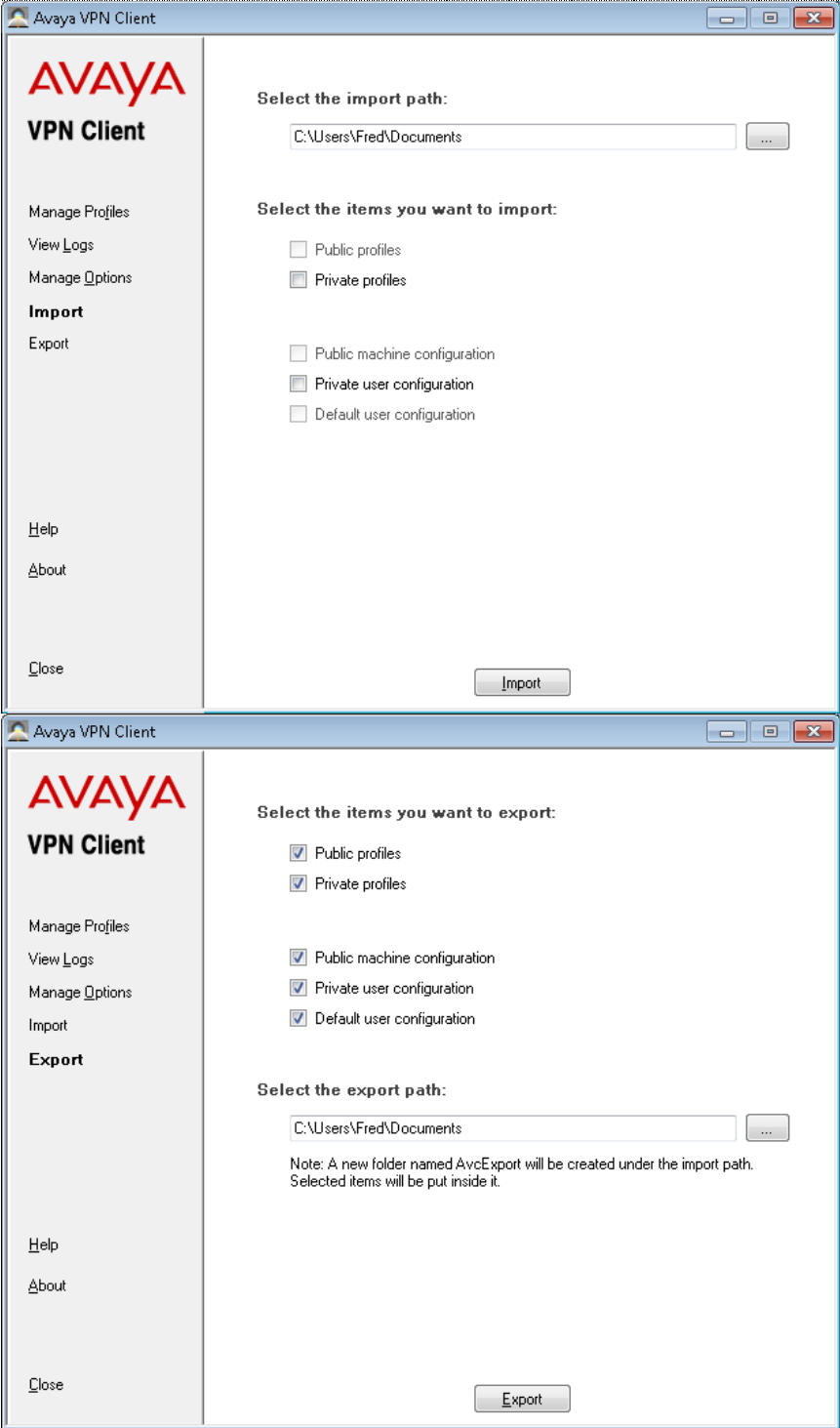
An optional workaround has been added in the 10.06_022 release (and above) as noted in the Enhancement section and is only intended to be used by clients using Mobile Broadband adapters.
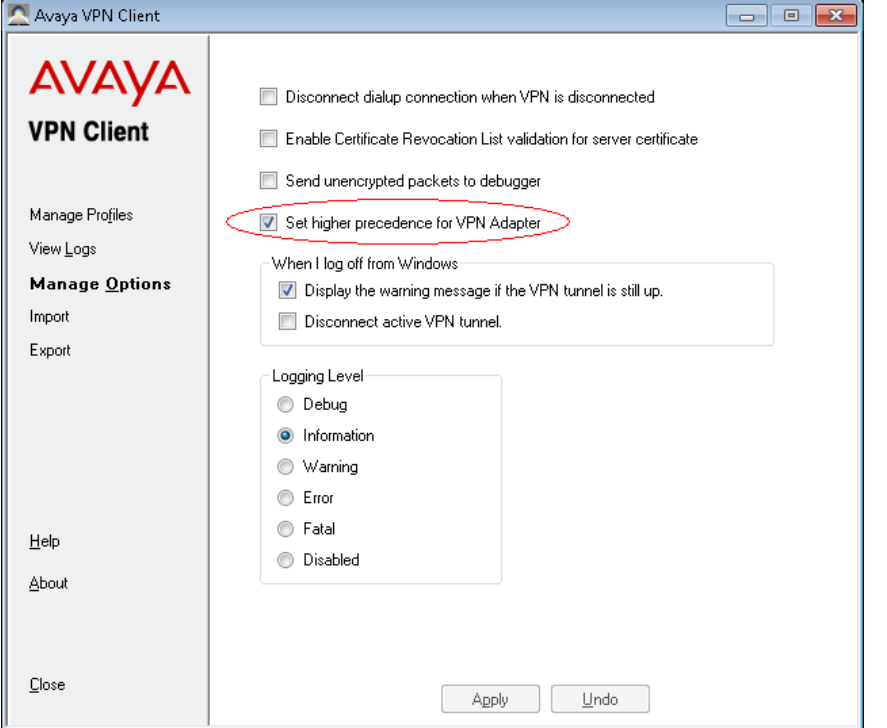
6. Feature & Enhancements Introduced

All features and enhancements added apply to all future releases from the "Where Added" release unless specifically removed or modified and noted below.

Features Added

Where Added	Summary	Description
10.06_200	Windows 8 Support	Support for Windows 8. The newly released Windows 8 from Microsoft introduced some changes to Windows 7 that previous versions of AVC can't install and/or work properly on it. Adjustments have been made in this release of AVC to address those issues.
10.06_022	Two Factor Authentication	The TFA mechanism introduced in this release is in compliance with the Payment Card Industry (PCI) security standards. It supports the dual authentication of "Certificate + Username/Password". This feature works with Avaya VPN Gateway (AVG) v9.0 and Avaya VPN Router (AVR). For more details about this feature, please refer to AVG, AVR and AVC's documentation.
10.06_022 (wi01015489)	Profile & Configuration Import/Export	This feature allows users to import or export selected profiles and/or configurations. The path selection textboxes for import and export are purposely put at different positions to help users distinguish the two dialogs from each other easily. Screenshots are available below. Notes: 1. Importing/Exporting between different versions of AVC may not work and is not recommended 2. Users can only import profiles and configurations to which they have write access to.

Where Added	Summary	Description
10.06_022

(wi00830401)
(wi00982866) | SwapAdapter Binding Prioritization | Due to Adapter Binding Prioritization concern described in "Interoperability" the following enhancement has been made available. By default, this enhancement is not enabled and must be enabled either during client installation or during runtime to activate.

Notes: |

Where Added	Summary	Description
		1. This option only applies to IPSEC tunnel connection profiles at this time. For those Administrators who want their end users to use the option, two steps are needed: 1. Show the option. This can be done at Install time or Run time. Install time method: Set custom install switch "ShowSwapAdapters" to TRUE. The ShowSwapAdapters is a custom install switch, which is used to control whether to show the run time option "Set higher precedence for VPN Adapter" (described in second item). It can be passed in from nvcsetup.ini or MSI command line. For more details about custom install, please refer to the document "Avaya VPN Client – Install and Upgrades". Runtime method: Add registry key value SwapAdapters with DWORD type under HKLM\Software\Avaya\Avaya VPN Client. The key value's existence controls the option's appearance. If it's deleted, the option will disappear too. The key value's value represents the choice - 1:on; 0: off. 2. Turn on the option After the previous step, launch the AVC by right clicking the program shortcut and then selecting "Run as administrator", the option would be selectable as shown in the figure below.

Where Added	Summary	Description
10.06_022 (wi00982866)	TrustAvaya Custom Install Option	The custom install option "TrustAvaya" was introduced in v10.04.100 to support Complete Silent Install. It used to be an MSI command line option only. In this release, we made it acceptable to the custom install setup file Nvcsetup.ini. This will make installer's customization easier.

Features Removed

No features have been removed or modified.

7. Closed Issues

Issues Resolved in THIS Release

Bug ID	Release	Description
wi01041435	10.06_200	Traffic to overlapping network of Split net and Local net got blocked.
wi01031645	10.06_200	AVC SwapAdapter feature does not reprioritize the VPN Adapter binding order for SSL tunnel types.
wi01011920	10.06_200	AVC may Orphan NetBT NameList registry entries if ungracefully terminated.
wi01047768	10.06_200	NVR interoperability - banner issues with specific IP address pool for Windows 7 users
wi01043584	10.06_200	Installing AVC over same version in silent mode causes error
wi01058523	10.06_200	AVC 10.06.104 IPSec Tunnels might drop during server initiated rekey
wi01049421	10.06_200	Unsigned EAC Miniport Driver Blocked by Windows XP OS. A new binder.exe utility has been included in the installation directory (default: %ProgramFiles%\Avaya\Avaya VPN Client) on Windows XP systems to assist with remediating this issue.
wi01056647	10.06_200	AVC may crash when connecting through an unstable wireless access point
wi01059319	10.06_200	Sometimes WINS Servers may not take effect in Windows XP
wi01068400	10.06_200	Dial-up not working properly on 32 bit platforms
wi01028196	10.06_200	AVC fails to properly identify Windows XP x64 operating system which may result in improper client operation
wi00951988	10.06_200	Unsupported Installation Change is not disabled properly.

Issues Resolved in PREVIOUS Release(s)

Bug ID	Release	Description
wi01009468	10.06_104	BSOD (Blue Screen of Death) may occur on Windows 7 multi-core machines if Symantec Endpoint Protection v11.x is installed.
wi01002823	10.06_104	AVC 10.04.108+ Incompatibility with AT&T 4G USB Modem
wi01011943	10.06_104	AVC "Display Warning" or "Disconnect" Limitation. Previously the VPN client would be abruptly terminated if a user attempted to shut down or restart the host machine. Now the tunnel is gracefully disconnected prior to shut down or restart.
wi01032791	10.06_104	Disconnect the VPN tunnel when AVC service is closed/stopped
wi01003255	10.06_022	Split Tunnel Failure on Windows 7
wi00860526 wi00972868	10.06_022	Mobility for IPSEC doesn't work properly on Windows 7 and XP.
wi00947857	10.06_022	IPsec split tunneling mode enabled_inverse_local does not enforce its restrictions on sessions already established before the tunnel was created.
wi00956803	10.06_022	Cached VPN adapter drivers not cleaned up on Windows 7
wi00995550	10.06_022	Disconnecting a tunnel may cause service crash
wi00981906	10.06_022	Fetching banner from different AVG when DNS Round Robin used

Bug ID	Release	Description
wi01006672	10.06_022	AVC may Orphan DNS Suffix Entries if ungracefully terminated.

8. Open Issues

Bug ID	Found In	Found In Previous Releases	Description
wi01069666	10.06_104	All	Repeated failover between wired and wireless connections may cause mobility failure.
wi01069254	10.06_104	All	AVC SSL Tunnel mode may randomly fail to retrieve the banner

9. Known Limitations

Known Limitations apply to all 10.06 releases unless specifically noted.

Bug ID	Description
wi00928966	Users who upgrade from a v10.05 or earlier release to v10.06 on Windows XP may receive the following error dialogue when attempting to establish an IPSec VPN tunnel – "Activation of VPN Adapter Failed". This issue occurs when the AVC filter driver is not upgraded correctly during software installation. As a precautionary measure, rebooting the machine before an upgrade installation is highly recommended. If the problem does occur, the workaround would be to uninstall and then reinstall the client. Please note, uninstall will remove all profiles and configurations. If users want to carry them over to the following reinstallation, they can use the Import/Export feature to export them before uninstall and import them back after reinstallation. For more details about the Import/Export feature please see Section 7 of this document.)
wi00932075	Canceling uninstall in the middle may cause faulty rollback.

For other known issues, please refer to the product release notes and technical documentation available from the Avaya Technical Support web site at: http://www.avaya.com/support

Appendix: OpenSSL License

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