AVAYA

Avaya VPN Client—Installation and Upgrades

Avaya VPN Client
Release 10.06

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AVAYA

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Preface

This guide provides information about how to install or upgrade the Avaya VPN Client for Windows Vista, Windows XP, and Windows 7.

Topics include:

- basic client installation
- custom client installation
- support for Avaya VPN Gateway (AVG)

This guide is intended for network managers who are responsible for setting up client software for the VPN Router and Avaya VPN Gateway. This guide assumes that you have the following background

- experience with Windows operating systems or graphical user interfaces (GUI)
- familiarity with network management

For more information about configuring and monitoring the VPN Router, see *Avaya VPN Router Configuration — Basic Features* (NN46110-500).

Before you begin

The recommended PC requirements for the Avaya VPN Client are:

- Windows XP, Windows Vista, or Windows 7.
- 1 GHz 32-bit (x86) or 64-bit (x64) processor.
- 1 GB of system memory.
- 40 GB hard drive with 5 GB of available space.

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`
`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`.

ellipsis points (. . .)	Indicate that you repeat the last element of the command as needed.
	Example: If the command syntax is **more disk**n**:**<*directory>*/...<*file_name>*, you enter **more** and the fully qualified name of the file.
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.
`plain Courier text`	Indicates system output, for example, prompts and system messages.
	Example: `File not found.`
separator (,)	Shows menu paths.
	Example: Select 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 Gateway and the VPN Router, refer to the following publications:

- *User Guide Avaya VPN Gateway* (NN46120-104) Describes how to perform basic configuration and maintenance of the Avaya VPN Gateway (AVG)

- *Avaya VPN Gateway VMware Getting Started Guide* (NN46120-302) Provides information on how to configure and deploy the Avaya VPN Gateway (AVG) VMware appliances.

- *Avaya VPN Gateway BBI Application Guide* (NN46120-102) Provides examples to configure the Avaya VPN Gateway for VPN deployment by using the Browser-Based Management Interface (BBI).

- Release notes provide the latest information, including brief descriptions of the new features, problems fixed in this release, and known problems and workarounds.

- *Avaya VPN Router Configuration — Basic Features* (NN46110-500) introduces the product and provides information about initial setup and configuration.

- *Avaya VPN Client — Configuration* (NN46110-509) provides information about required tasks to configure the client software.

- *Avaya VPN Router Security — Servers, Authentication, and Certificates* (NN46110-600) provides instructions to configure authentication services and digital certificates.

- *Avaya VPN Router Configuration — Firewalls, Filters, NAT, and QoS* (NN46110-601) provides instructions to configure the Stateful Firewall and VPN Router interface and tunnel filters.

- *Avaya VPN Router Configuration — Advanced Features* (NN46110-502) provides instructions to configure advanced LAN and WAN settings, PPP, frame relay, PPPoE, ADSL and ATM, T1CSU/DSU, dial services and demand services, DLSw, IPX, and SSL VPN.

- *Avaya VPN Router Configuration — Tunneling Protocols* (NN46110-503) provides information to configure the tunneling protocols IPsec, L2TP, PPTP, and L2F.

- *Avaya VPN Router Configuration — Routing* (NN46110-504) provides instructions to configure BGP, RIP, OSPF, and VRRP, as well as instructions for configuring ECMP, routing policy services, and client address redistribution (CAR).

- *Avaya VPN Router Troubleshooting — Server* (NN46110-602) provides information about system status and logging, emergency recovery, and troubleshooting tools. This document also provides troubleshooting information for connectivity and performance problems.
- *Avaya VPN Client — Troubleshooting* (NN46110-701) provides information to troubleshoot connectivity problems with the client.
- *Avaya VPN Router Using the Command Line Interface* (NN46110-507) provides syntax, descriptions, and examples for the commands that you can use from the command line interface (CLI) on the VPN Router.
- *Avaya VPN Router Configuration — TunnelGuard* (NN46110-307) provides information to configure and use the TunnelGuard feature.
- *Avaya VPN Router Installation and Commissioning* (NN46110-306) provides information to configure hardware options for interoperability.
- *Avaya VPN Router Security and Administration* (NN46110-603) provides information about system administrator tasks such as password management and system backup. This document also provides information about the Simple Network Management Protocol (SNMP) and serial interface connections.
- *Avaya VPN Router Upgrades — Server Software Release 8.0* (NN46110-407) provides information about required tasks to upgrade the server software.

Client installation

This chapter provides information about how to install the Avaya VPN Client for the supported operating systems.

This chapter includes the following topics:

- "Installing Avaya VPN Client using the installation wizard" on page 16
- "Installing Avaya VPN Client in silent mode" on page 17

Avaya VPN Client installers are in two formats, compressed and uncompressed. The Avaya VPN Client installer kits are:

- AVC32-10.06.022.exe — Avaya VPN Client for 32-bit (self- extracting)
- AVC64-10.06.022.exe — Avaya VPN Client for 64-bit (self- extracting)
- AVCCustKit32-10.06.022 — Avaya VPN Client for 32-bit (customizable CD-ROM kit)
- AVCCustKit64-10.06.022 — Avaya VPN Client for 64-bit (customizable CD-ROM kit)

For more information on how to install the Avaya VPN Client with the custom kit, see "Client customization" on page 25.

Installing Avaya VPN Client using the installation wizard

You can install the Avaya VPN Client by using a wizard that guides you through the installation process.

Install the Avaya VPN Client by performing the following:

1 Double-click the executable or MSI file. The Avaya VPN Client splash window (for MSI) and or Welcome window appears.

2 Click **Next**. The License Agreement window appears.

3 Click **I accept the terms in the license agreement**, and then click **Next**. The Custom Setup window appears.

4 Do one of the following:

   a If you want to install the Avaya VPN Client without Pre-Logon Access Provider (PLAP), ensure that PLAP is not selected, and then click **Next**. The Ready to Install the Program window appears.

Note: The PLAP feature is available only on Windows Vista and Windows 7.

   b If you want to install PLAP, click **PLAP** and select the checkmark, then click **Next**. The Ready to Install the Program window appears.

   If you want to install the Avaya VPN Client in a different directory other than the default directory, click **Change.** The Change Current Destination Folder window opens. The defaults paths for the Avaya VPN Client are

   — 32-bit ― C:\Program Files \Avaya\Avaya VPN Client\.
   — 64-bit ― C:\Program Files (x86)\Avaya\Avaya VPN Client\.

5 Click **Install**.

The Installing Avaya VPN Client window appears and the program features you selected begin installing. When the installation is complete, the InstallShield Wizard Completed window appears.

6 Click **Finish**. Your Avaya VPN Client is now installed.

lists the installed Avaya VPN Client service with the following settings.

Table 1 Avaya VPN Client service settings

Service name	NvcSvcMgr
Display name	Avaya VPN Service
Description	Avaya VPN Client Service
Start up type	Automatic
Log on as	LocalSystem

Installing Avaya VPN Client in silent mode

You can install the Avaya VPN Client from a command line without using the Wizard. You run the MSI or executable by using the command line with options and parameters.

MSI allows the passing of public properties through a command line. The executable kit can forward options to msiexec.exe with the /v switch. By using a command line, you can pass through the product installation path and feature selection for both kits.

This release also provides the Pre-Logon Access Provider (PLAP). A PLAP is a special type of credential provider that allows you to make a network connection before logging on to your PC.

PLAP does not reuse an existing tunnel. If an existing tunnel is detected, you are prompted to disconnect the tunnel first before continuing. If your domain logon fails, you are prompted to try again if the policy allows. If you choose to give up the logon attempt, or do not acknowledge the user interface for 60 seconds, the tunnel disconnects.

Note: PLAP feature is available only on Windows Vista and Windows 7.

For more information on configuring PLAP, see *Avaya VPN Client — Configuration* (NN46110-509).

The PLAP feature has an INSTALLLEVEL of 200. You can set the installation to a number larger than 200 to select all features. Setting it to a number between 1 and 199 excludes PLAP.

To run a MSI package silently, enter the following command line:

```
msiexec /i "Avaya VPN Client.msi" /qn
```

Place the MSI file name between quotes.

To run the single executable package silently, enter the following command line:

```
AVC32-10.06.xxx.exe /s /v"/qn"
```

To install PLAP using msiexec.exe, enter the following command:

```
msiexec /i "Avaya VPN Client.msi" INSTALLLEVEL=300
```

To install PLAP using Nvc.exe, enter the following command:

```
Nvc.exe /v"INSTALLLEVEL=300"
```

To exclude PLAP from installing when using msiexec.exe, enter the following command:

```
msiexec /i "Avaya VPN Client.msi" INSTALLLEVEL=50
```

To exclude PLAP from installing when using Nvc.exe, enter the following command:

```
Nvc.exe /v"INSTALLLEVEL=50"
```

Do not use a in /v"/qn."

When you use the /q or /quite option, the MSI hides the User Account Control (UAC) dialog for confirming administrative permission. In this scenario, MSI performs the installation only if the command is Run as Administrator.

Domain Logon on XP

Avaya VPN Client provides PLAP feature for domain logon on Vista and Windows 7 operating systems. On XP, domain logon can be achieved through "Two-Step logon" which is explained below.

1 User logs on to the machine using local account

2 Launch Avaya VPN Client in administrator mode

3 Go to **Edit the Profile dialog** and then click **Manage Options** dialog.

4 To set the log-off behavior, check the Display the warning message if the VPN tunnel is still up option

5 Bring up tunnel

6 Manually log-off operating system. Tunnel will be maintained by Avaya VPN Client service component.

User logs back in using a domain account. This time, the logon authentication will be done through the tunnel with the Active Directory on the domain.

Use the options in Table 2 "Silent installation" on page 20 to control the level of user interaction when you install the Avaya VPN Client.

Table 2   Silent installation

Options	Parameters	Meaning
/q	n|b|r|f	Sets user interface level. The following are parameter meanings • q, qn — No UI • qb — Basic UI. Use qb! to hide the Cancel button. • qr — Reduced UI with no modal dialog box displayed at the end of the installation. • qf — Full UI and authored FatalError, UserExit, or Exit modal dialog boxes at the end. • qn+— No UI except for a modal dialog box displayed at the end. • qb+— Basic UI with a modal dialog box appears at the end. The modal box is does not appear if the user cancels the installation. Use qb+! or qb!+ to hide the Cancel button. • qb-— Basic UI with no modal dialog boxes. /qb+- is not a supported UI level. Use qb-! or qb!- to hide the Cancel button. The ! option is available with Windows Installer 2.0 and works only with basic UI and is not valid with full UI.

Complete silent installation

To run the AVC installer in complete silent mode, you need to pass the parameter TrustAvaya =TRUE to the installer at the command prompt.

Note: The parameter TrustAvaya=TRUE can be added to the NvcSetup.ini file also.

For example, enter the following command:

C:\AVC32-10.06.022.exe /S /v"/qn TrustAvaya=TRUE"

or,

C:\msiexec /i "Avaya VPN Client.msi" /qn TrustAvaya=TRUE

Client upgrades

This chapter provides you with the information needed when making an upgrade for the Avaya VPN Client from a previous version.

This chapter includes the following topics:

- "Upgrading from previous Avaya VPN Client versions"
- "Preserving existing option settings during upgrades"

Upgrading from previous Avaya VPN Client versions

Avaya VPN Client 10.06 installer supports upgrade install from Avaya VPN Client 10.xx.

Avaya VPN Client installer does not support upgrade of legacy Avaya VPN Client (versions earlier than version 10.01, including version 6.07). When an installed legacy Avaya VPN Client version is detected, Avaya VPN Client installer opens a dialog box prompting you first to uninstall the legacy version and reboot the machine. Then you can install Avaya VPN Client 10.06.

The Avaya VPN Client 10.01 installer does not detect legacy Avaya VPN Client versions. If you mistakenly installed an Avaya VPN Client legacy version on a Windows Vista or Windows 7 machine, and then you installed Avaya VPN Client 10.01 on the same machine, you must perform the following procedure to install Avaya VPN Client 10.06.

1 Uninstall Avaya VPN Client 10.01.

2 Reboot the machine.

3 Repair the legacy Avaya VPN Client version:

    a Select Control Panel (in Classic view) > Programs and Features.

    b From the list, right-click on the legacy Avaya VPN Client version, and then select Repair.

4 After the repair is complete, uninstall the legacy Avaya VPN Client version.

5 Reboot the machine.

6 Install Avaya VPN Client 10.06.

Preserving existing option settings during upgrades

During an upgrade installation, the installer preserves the following configuration data unless the PreserveConfig key is set to False:

- current user profiles
- current user configuration
- global user profiles
- default user configuration
- machine configuration

For more information on configuring the PreserveConfig key, see "Customizing Avaya VPN Client using the NvcSetup.ini" on page 27.

Client customization

This chapter provides information about how to customize the installation of the the Avaya VPN Client on Windows XP, Windows Vista, and Windows 7 operating systems.

This chapter includes the following topics:

You use custom installation to change the default settings of the Avaya VPN Client to settings that are more applicable for your business. For example, you can change a default tray icon to your corporate icon, or you can preconfigure profiles so that when the Avaya VPN Client is installed, your preconfigured profiles are included.

Avaya VPN Client customizations separate into install time behaviours and run time (or post install time) behaviours.

For install time behaviors, you place their switches into the NvcSetup.ini file. The installer then parses the file at install time. You customize install time behaviors by editing the NvcSetup.ini before installation. The install time behavior can also be customized by command lines and direct modification to the MSI kit.

For run time behaviours, you place their switches, including profiles, into the configuration files. The installer then copies those files to the correct paths. You customize configuration data and profiles by directly modifying those files before installation. Those files are not parsed during install time.Before installing the kit, customize one of the Avaya VPN Client options shown in Table 3 "Install customization" on page 26, by choosing one of the following methods:

- If applicable, edit the file directly in the AVCCustKit32-10.06.xxx or AVCCustKit64-10.06.xxx.
- Create an .ini file, profile data file on your PC using an installed Avaya VPN Client and then copy these files into the AVCCustKit (32 or 64).

See Table 3 "Install customization" on page 26 when choosing customization options.

Table 3 Install customization

Avaya VPN Client customization	NvcSetup.ini	Command line	Direct modification
Product Installation path	ProductFolder	INSTALLDIR	Avaya VPN Client.msi
Product name	ProductName		Avaya VPN Client.msi
Feature selection		INSTALLLELVEL Setting a number larger than 200 selects all features. Setting a number between 1 and 199 excludes the PLAP.	Avaya VPN Client.msi
Profile preservation	PreserveConfig		
Complete Silent Install	TrustAvaya	TrustAvaya	Avaya VPN Client.msi
Adjust Adapter precedence order to avoid DNS issue with 4G network	ShowSwapAdapters	ShowSwapAdapters	Avaya VPN Client.msi
Profiles and configurations • user profiles • user configuration • per machine configuration • global profiles • default user configuration			AVCCustKit (32 or 64) files • NvcProfiles_u.dat • NvcUserConfig_u.dat • NvcMachineConfig.dat • NvcProfiles_a.dat • NvcUserConfig_d.dat

Table 3   Install customization

Avaya VPN Client customization	NvcSetup.ini	Command line	Direct modification
Avaya VPN Client bitmaps and icons			AVCCustKit files • globemark.png • ico00001.ico • ico00002.ico • ico00004.ico • ico00005.ico • ico00006.ico • ico00007.ico • ico00008.ico • ico00009.ico • idr_main.ico • NVCDialog.png • NVCSimpleDialog.png • NVCStatus.png
Program menu shortcut folder			Avaya VPN Client.msi
Desktop shortcut name			Avaya VPN Client.msi

Customizing Avaya VPN Client using the NvcSetup.ini

NvcSetup.ini can contain certain switches for Avaya VPN Client installation behavior control. By default, the file is not included in the kits. When necessary, you can create an NvcSetup.ini and insert it into the AVCCustKit (32 or 64) under the same directory with the Avaya VPN Client.msi.

NvcSetup.ini contains a single section of [NVC_INSTALL].

Edit the NvcSetup.ini by changing one or more of the following keys:

- ProductName — product name. Type a product name that displays on the executable.
- PreserveConfig — preserves the current profile and configuration data. Type True or False.
- ProductFolder — the product installation path. Type a path name to direct installation to the folder of your choice.

The following is an example of the NvcSetup.ini:

```
[NVC_INSTALL]
ProductName=My Product Name
PreserveConfig=True
ProductFolder="C:\Program Files\My Product Name"
```

Customizing the Avaya VPN Client.msi

You set the values of parameters in the Property table of the MSI database. You can modify the MSI file using Orca or other tools when changing one or more of the following items in the package's property table:

*   INSTALLDIR — product installation path. Type the new path for the installation directory.
*   ProductName — product name. Type a unique name that displays on the executable.
*   INSTALLLELVEL — feature selection. Type a unique name to display as a feature name.

Customizing profiles

A profile is a set of configuration data specific to one VPN connection. You find it stored as a section in a text file with a .dat extension. You can find the profiles in the following storage areas:

Public profiles

NvcProfiles_A.dat is the file for the public profiles.

You create public profiles mainly for when you are using pre-logon and do not have access to a local user directory on the machine before being logged on. You can find the NvcProfiles_a.dat file in the [CSIDL_COMMON_APPDATA]Avaya\Avaya VPN Client\ directory, a public directory that is available to all local users.

A typical path is:

```
C:\Documents And Settings\ All Users\Application Data\Avaya\Avaya
VPN Client (for Windows XP)

C:\ProgramData\Avaya\Avaya VPN Client (for Windows Vista, and
Windows 7)
```

When you use Avaya VPN Client during pre-logon, modification to global profiles is disabled. After you are logged on, you can create, change or delete public profiles if you run the Avaya VPN Client as an administrator as shown in Table 4 "Customizing profiles" on page 30 unless the NvcProfiles_a.dat file is listed in the NoFileChange entry during Avaya VPN Client installation.

The following methods can create this file:

- Installed by install kit, either as an empty file (by default) or a customized file.
- Migrated from an upgrade install.
- Created through the GUI by logged-on users when the first public profile is created.

Private profile file

NvcProfiles_U.dat (U for user) is the filename for the private profile.

You use the default private profile file to initialize a user's private profile file when they first run the Avaya VPN Client. You can find the NvcProfiles_U.dat file in the [CSIDL_COMMON_APPDATA]Avaya\Avaya VPN Client\ directory.

A typical path is:

```
C:\Documents And Settings\<User>\Local Settings\Application
Data\Avaya\Avaya VPN Client (for Windows XP)

C:\ProgramData\Avaya\Avaya VPN Client (for Windows Vista, and
Windows 7)
```

The following methods can create this file:

- Installed by installation kit and is either an empty file (by default) or a customized file.
- Migrated from upgrade install.

Before installing the AVCCustKit (32 or 64) kit, customize public and private profiles by choosing one of the following methods:

- Edit the file directly in the AVCCustKit (32 or 64). Please note that GroupPass (see the following table) cannot be modified in this manner. Use the Avaya VPN Client installed on a PC to update the group password.
- Create a profile on your PC using an installed Avaya VPN Client, and then copy these files into the AVCCustKit (32 or 64).

Use the information in Table 4 "Customizing profiles" on page 30 to help you customize profiles.

Table 4 Customizing profiles

Entry name	Allowed values (Default value in bold)	Configurable from GUI	Tunnel Type	Customize	Description
AllowSavePassword	**True** False	N	IPSec	N	Allow save password

Table 4 Customizing profiles

Entry name	Allowed values (Default value in bold)	Configurable from GUI	Tunnel Type	Customize	Description
AuthType	**UsernamePassword**	Y	IPSec	Y	User name or Password authentication
	Radius		IPSec		Group Password authentication
	ChallengeResponse		IPSec		Challenge Response
	ResponseOnlyHW		IPSec		Hardware response only
	ResponseOnlySW		IPSec		Software response only
	CertMS		Both		MSCAPI certificate authentication
	LoginService		SSL		SSL authentication
CertificateAltNameType	**None**	Y	Both	Y	Type of certificate subject alternative name
	Email				
	DNS				
	IPAddress				
CertificateName	Certificate name	Y	Both	Y	MSCAPI Certificate name
Description	Description	Y	Both	Y	Description about the profile
DestPort		Y	SSL	Y	AVG port for SSL tunnel
DestServer	Hostname IP address	Y	Both	Y	AVR or AVG name or IP address
DialupEntry		Y	Both	Y	Dial-up entry name
EntityName	User name	Y	Both	Y	User name or certificate name
EntityPass	password	Y	Both		Encrypted password or PIN
EntityPass2	password	Y	Both		Second encrypted password or PIN for authentication with SSL logon service
FailoverList	<server1>,<server2>, ..., <serverN>	N	Both	Y	List of DestServer separated by comma (,). Avaya VPN Client will failover to the DestServer(s) one by one until a tunnel establishes or the list has been exhausted
FailoverProfile	Profile name	Y	Both	Y	Name of the failover profile

Table 4 Customizing profiles

Entry name	Allowed values (Default value in bold)	Configurable from GUI	Tunnel Type	Customize	Description
GroupID	Group name	Y	IPSec	Y	Group ID for Radius (or LDAP) authentication
GroupPass	Group password	Y	IPSec	Y	Encrypted group password for Radius (or LDAP) authentication. Use the Avaya VPN Client to update or modify this entry in a customized profile.
KeepAliveType	NoKeepalives	Y	IPSec	Y	No keep alives
	ActiveKeepalives		IPSec		**ActiveKeepalives** — Dead peer detection.
	PassiveKeepalives		IPSec		PassiveKeepalives — No Dead peer detection
LoginServiceName		Y	SSL	Y	SSL logon service name
PostLaunchArguments		Y	Both	Y	Parameters for the module defined in the PostLaunchFileName
PostLaunchFileName		Y	Both	Y	Posttunnel launched application file name
PreLaunchArguments		Y	Both	Y	Parameters for the module defined in the PreLaunchFileName
PreLaunchFileName		Y	Both	Y	Pretunnel launched application file name
PreLaunchTimeOut		Y	Both	Y	Pretunnel launched application time out
ProfileName	Profile name	Y	Both	Y	Profile name
ProxyExceptions		Y	SSL	Y	Servers that users do not want to proxy when accessing
ProxyPort		Y	SSL	Y	SSL Proxy server port.
ProxyServer		Y	SSL	Y	SSL Proxy server IP or DNS name
SavePassword	True False	Y	IPSec	Y	Password saved or not
TunnelType	IPSec	Y	IPSec	Y	Tunnel type
	SSL	Y	SSL	Y	

Table 4   Customizing profiles

Entry name	Allowed values (Default value in bold)	Configurable from GUI	Tunnel Type	Customize	Description
UsePasscode	True False	Y	SSL		Using passcode — PIN + Token code
UseProxyServer	**None**	Y	SSL		No proxy server
	Custom				Uses proxy server information configured in Avaya VPN Client GUI
	Browser				Uses proxy server information configured in Internet Explorer
UseSecondPassword	True False	N	SSL		Use second password for SSL tunnel authentication
UseSoftwareToken	True False	Y	SSL		Use RSA SecurID software token.

Customizing configuration data

User configuration data are those generic settings applicable to all tunnels and the Avaya VPN Client during an individual user's logged on session. You can find the set of user configuration data stored in the [user config] section of the user configuration file.

Avaya VPN Client has two types of user configuration files, one for private use and one for public use.

Private configuration file

NvcUserConfig_u.dat is the file for the private configuration file.

Only a current logged on user has access to the private configuration file. You can find the NvcUserConfig_u.dat file in the [FOLDERID_LOCALAPPDATA]Avaya\Avaya VPN Client\ directory.

A typical path is

```
C:\Documents And Settings\ All Users\Application Data\Avaya\Avaya
VPN Client (for Windows XP)
C:\ProgramData\Avaya\Avaya VPN Client (For Windows Vista, and
Windows 7)
```

Current logged on users can update their own private user configuration unless the NoChangeProfiles equals to true. NoChangeProfiles reside in the Machine configuration file.

Default user configuration file

NvcUserConfig_d.dat (d for default) is the file name for the default configuration file.

The default configuration file shares the same file format with the private user configuration. You can find the NvcUserConfig_D.dat file in the [FOLDERID_PROGRAMDATA]\Avaya\Avaya VPN Client\ directory that is accessible to all users.

A typical path is

```
C:\Documents And Settings\ All Users\Application Data\Avaya\Avaya
VPN Client (for Windows XP)
C:\ProgramData\Avaya\Avaya VPN Client (for Windows Vista, and
Windows 7)
```

When a user logs on to Avaya VPN Client for the first time, the default user configuration file copies over as the user's private user configuration file, enabling the user to update their private file.

To customize private or default configuration files, choose one of the following methods:

- Before installing the AVCCustKit (32 or 64), edit the file directly in the AVCCustKit (32 or 64).
- Create a profile on your PC using an installed Avaya VPN Client, and then copy these files into the AVCCustKit (32 or 64).

Use the information in Table 5 "User configuration files parameters" on page 35 to help you customize configuration data.

Table 5   User configuration files parameters

Entry name	Allowed values (Default value in bold)	Configurable from GUI	Customize	Description
CertificatekeyUsage	True **False**	Y	Y	Displays only those certificates with key usage of digital signature.
CertificateAutoSelect	True **False**	Y	Y	Autoselects a certificate to use.
CertificateUseFriendlyName	True **False**	Y	Y	Select certificates by user friendly name.
DumpPacketInClearText	True **False**	Y	Y	Send unencrypted packet content to debugger in hex format

Table 5 User configuration files parameters

Entry name	Allowed values (Default value in bold)	Configurable from GUI	Customize	Description
ForceDialupDisconnect	True **False**	Y	Y	If set to true, dial-up disconnects when the tunnel is disconnected.
LastUsedProfile		Y	N	Last profile used by current user.
StatusInDetail	True **False**	N	Y	Displays detailed tunnel status in the status dialog.
StatusOnTop	True **False**	N	Y	Enables the status window stay on top of the desktop.

Customizing machine configuration data

Machine configuration data are those generic settings applicable to tunnels and to Avaya VPN Client working on a local machine. The machine configuration data is in the [MachineConfig] section of NvcMachineConfig.dat.

You can find the NvcMachineConfig.dat file in the [FOLDERID_PROGRAMDATA]\Avaya\Avaya VPN Client\ directory.

For Windows Vista and Windows 7, a typical path is:

```
C:\ProgramData\Avaya\Avaya VPN Client\NvcMachineConfig.dat
```

For Windows XP, a typical path is:

```
C:\Documents And Settings\ All Users\Application Data\Avaya\
Avaya VPN Client
```

To customize machine configuration, choose one of the following methods:

- Before installing the AVCCustKit (32 or 64), edit the file directly in the AVCCustKit (32 or 64).
- Create a profile on your PC using an installed Avaya VPN Client, and then copy these files into the AVCCustKit (32 or 64).

Use the information in Table 6 "Machine configuration file parameters" on page 37 to help you customize machine configuration data.

Table 6 Machine configuration file parameters

Entry name	Allowed values (Default value in bold)	Configurable from GUI	Customize	Description
AesDisabled	True **False**	N	Y	Disables AES support. Setting to True disablesAES.
ConfigLaunchEnabled	**True** False	N	Y	Allows the user to configure the AppLaunch.
DisableDialup	True **False**	N	Y	Disable dial-up option in the profile edit dialog.
DisableIkePort500Use	True **False**	N	Y	If set to true, the Avaya VPN Client uses a dynamic port instead of port 500 for IKE.
DisableLoggingConfig	True **False**	N	Y	If set to True, you cannot configure logging from the Avaya VPN Client UI. The default is False and allows you to configure logging.
DisallowNonProfileConnections	True **False**	N	Y	Prevents from using profile-based tunneling in CLI mode.
DisconnectOnLogoffs	True **False**	Y	Y	Disconnects the active VPN tunnel when the user logs off from Windows.
LockKeepAlives	True **False**	N	Y	Prevent from changing the KeepAlive option in the profile edit dialog.

Table 6   Machine configuration file parameters

Entry name	Allowed values (Default value in bold)	Configurable from GUI	Customize	Description
LogLevel	DISABLED FATAL ERROR WARNING **INFO** DEBUG	Y	Y	Severity levels of logging messages.
LogoffWarning	True **False**	Y	Y	Displays a warning message when a user logs off from Windows while the VPN tunnel is still running.
MSCAPIServerCRLCheck	True **False**	Y	Y	If the MSCAPI server CRL checking is set to True, then the client performs a CRL check against the Server certificate chain. If set to False or missing, the client does not perform CRL checking against the Server certificate chain.
NoChangeProfiles	True **False**	N	Y	Restricts modifications to client profiles from the Avaya VPN Client. You cannot add new profiles and users can change only the dial-up numbers (if appropriate), their user name and password (if appropriate, tokencode or pin fields), certificate and password. If set to True, you can only use the prepackaged profile files, and you cannot add new profiles.

Customizing icons

You use the custom Avaya VPN Client icon facility by inserting your corporate icons in place of the existing icons for the Avaya VPN Client. These icons include indicators for activities such as sending or receiving data or establishing a connection.

You can create icon images in whatever style you prefer; however, the Avaya icons that convey a message for the given action, such as data transfer activity or establishing a connection, are best replaced with icons that convey the same message.

Perform the following steps to create a custom icon:

1 Create a 16- or 8-color icon with the corresponding pixel size.

2 Name the icon with a Avaya icon name.

3 Copy the new icon to the \AVCCustKit32-10.06.xxx\program files\Avaya\Avaya VPN Client\Images directory.

Use the information in Table 7 "Customizable icons" on page 39 to help you customize icons.

Table 7   Customizable icons

Avaya icon name	Pixel size	Description
ico00001.ico	16 x 16	Avaya VPN Client is running, but no data is currently transferring.
ico00002.ico	16 x 16	Data is both transmitting and receiving through the tunnel.
ico00004.ico	16 x 16	Avaya VPN Client is transmitting data through the tunnel.
ico00005.ico	16 x 16	Avaya VPN Client is receiving data into the tunnel.
ico00006.ico	32 x 32	Group icon showing activity during the Avaya VPN Client connection process in first of four positions.
ico00007.ico	32 x 32	Group icon showing activity during the Avaya VPN Client connection process in second of four positions.
ico00008.ico	32 x 32	Group icon showing activity during the Avaya VPN Client connection process in third of four positions.
ico00009.ico	32 x 32	Group icon showing activity during the Avaya VPN Client connection process in fourth of four positions.
idr_main.ico	256 x 256 48 x 48 32 x 32 16 x 16	Application executable icon.

Customizing images

You use the custom Avaya VPN Client image facility to insert your corporate images in place of the existing images for the Avaya VPN Client. This section describes how to insert custom images used by the About Avaya VPN Client window and Avaya VPN Client dialog boxes.

Perform the following steps to create a custom image:

1   Create a color image with the corresponding pixel size.

2   Name the image with a Avaya image name.

3   Copy the new image to the \AVCCustKit32-10.06.xxx\program files\Avaya\Avaya VPN Client\Images directory.

Use the information in Table 8 "Customizable images" on page 40 help you customize images.

Table 8   Customizable images

Avaya image name	Pixel size	Description
globemark.png	32 x 32 32-color	About Avaya VPN Client window image.
NVCDialog.png	149 x 647 24-color	Manage Profile, View Logs, and Manage Options dialog boxes image.
NVCSimpleDialog.png	193 x 351 24-color	Avaya VPN Client main GUI image.
NVCStatus.png	358 x 40 8-color	Avaya VPN Client Status Monitor image.