

How to Customize VPN Client?

There are two parts of VPN Client customization: Basic Customization and Advanced Customization.

1. Basic Customization

Basic Customization consists of: setup file customization, license content customization, company name customization, VPN product name customization, company website customization and so on.

Administrators can implement the above mentioned customization by modifying the license content and the OEM.ini file. When the administrator modifies the OEM.ini file, only the contents after “=” can be modified.

OEM.ini contains two predefined sections: [Startup] and [Settings]

[Startup]

CompanyName=Array Networks

ApplicationName=Array SSL VPN

CompanyURL=http://www.arraynetworks.net

ValidCode=

[Settings]

IconOnStartMenu=1

IconOnDesktop=1

ChangePasswordURL=

SecondaryProfileNameForReconnect=

VPNTunnelReconnectTimes=

RSATokenAutomation=0

LogOutVPNAfterPCLogOff=1

Remark:

[Startup]

CompanyName: specifies the company name. The default value is “Array Networks”. The length of the company name must be less than 128 characters; otherwise, VPN may work abnormally.

ApplicationName: specifies the (VPN Client) application name. The default value is “Array SSL VPN”. The length of the application name should better be less than 36 characters; otherwise, VPN client installation UI may be displayed abnormally. In addition, the length must less than 128 characters; otherwise, VPN may work abnormally.

CompanyURL: specifies the URL of the company’s website. The default value is “www.arraynetworks.net”. The length of the URL must be less than 128 characters.

ValidCode: specifies the ValidCode used for ValidCode authentication. The default value is null. If ValidCode authentication is enabled, ValidCode must be specified on the client side, such as Array123456. One virtual site can have only one ValidCode, the value must be the same as that specified on the server side.

[Settings]

IconOnStartMenu: controls whether the VPN client icon is displayed on the start menu. The value can be 0 (not displayed) or 1 (displayed).

IconOnDesktop: controls whether the icon of the VPN client is displayed on the desktop tray. The value can be 0 (not displayed) or 1 (displayed).

ChangePasswordURL: specifies the URL of the change password page. If it is specified, the **Change Password** command will be available on the menu displayed by right-clicking the application icon in the status area. When clicking this command, users will be redirected to the change password page. If it is not specified, the **Change Password** command will not be displayed on menu displayed by right-clicking the application icon in the status area.

For example:

`ChangePasswordURL=http://www.changepassword.arraynetworks.com`

SecondaryProfileNameForReconnect: specifies the hostname or IP address of the secondary virtual site to reconnect if the reconnection to the primary virtual site defined in the profiles.ini file has failed for three times. The Standalone VPN client will try to reconnect the secondary virtual site if this secondary virtual site has been defined in the profiles.ini file; otherwise, the Standalone VPN client will still try to reconnect the primary virtual site. However, the reconnection times for the primary or secondary virtual site is restricted by the **Reconnect Attempts** settings in **Options > Standalone Configuration**. If the current number of remaining reconnect attempts is 0, the Standalone VPN client will stop reconnecting any virtual site. It is recommended to set **Reconnect Attempts** to a value greater than 3.

For example:

`SecondaryProfileNameForReconnect=10.8.4.71`

VPNTunnelReconnectTimes: specifies the number of times for reconnecting the VPN tunnel when the VPN tunnel is disconnected unexpectedly. Its value is an integer ranging from 0 to 12 and defaults to 12. “0” indicates not reconnecting the VPN tunnel. The VPN client reconnects the VPN tunnel at the interval of 10 seconds.

RSATokenAutomation: controls whether the Standalone Array Client will obtain the token code or password from the RSA SecurID Token Client automatically. The value can be 0 (disabled) or 1 (enabled). The default value is “0”.

LogOutVPNAfterPCLogOff: controls whether the Array Client will be logged out when the end user logs off Windows. The value can be 0 (disabled) or 1 (enabled). The default value is “1”.

2. Advanced Customization

Advanced Customization consists of: logo customization, icon customization, and help customization. To customize the logo and icon, please replace the correspondent files in the installation package.

Logo: the company logo displayed on the UI page after VPN connection is established

Icon: connected.ico, disconnected.ico or reconnecting.ico

- connected.ico: the tray icon of the application after VPN connection
- disconnected.ico: the tray icon of the application before successful VPN connection
- reconnecting.ico: the tray icon of the application during VPN reconnection

Help: the help file popped up after clicking the **Help** button when VPN is running

The procedure for help customization is:

1. Create the “help” folder in the installation package.
2. Create two files: help.html (for Standalone VPN Client.) and help_webVPN.html (for Web Launch VPN). The **Help** button on Web Launch VPN is not available now, but will be provided later.
3. Modify the help.html file for further customization. If other files such as JavaScript or image are needed, put those files into the help folder or its subfolders.

How to Customize the profiles.ini File?

You may want to provide all users with VPN setting profiles. When users install the package, settings in the profile will be imported automatically. You can edit the profiles.ini file, or copy a profiles.ini file to replace the old one. By default, the file profiles.ini file does not exist.

In addition, Array provides a template named profiles_template.ini in the setup package. You can customize your own profiles.ini file with this template. Please note that VPN client only recognizes the file named “profiles.ini”. Therefore, please keep the file name right. Besides, AutoLogonPassword and Password settings must be saved in correct cryptograph to avoid password leak. To help encrypt passwords, Array provides a tool named “encode.exe.bkup” in the setup package. Before using this tool, please rename it as “encode.exe”.

Parameter Description

Meanings of parameters in profiles.ini are as follows:

[Standalone_Configuration]

Parameter	Meaning
DefaultProfile	Default profile. You can set any profile as default.
AutoLogin	Whether to log into the Windows operating system automatically with the below auto-login username and password. Its value can be true or false.
AutoRun	Whether to automatically start the standalone Array client when the Windows operating system starts. Its value can be true or false.
AutoConnect	Whether to automatically connect VPN when standalone Array client is started. Its value can be true or false.
AutoReconnect	Whether to automatically reconnect VPN when the VPN is disconnected. Its value can be true or false.
AutoReconnectSessionInvalid	Whether to automatically reconnect VPN when the user session becomes invalid. Its value can be true or false.
AutoLoginUser	Username used for automatically log into the Windows operating system.
AutoLoginPass	Password for the username used for automatically log into the Windows operating system. It must be input in cryptograph. For example, “9b82949e” is the cryptograph for “1983”.
AutoLockScreen	Whether to lock the screen for the Windows operating system when login succeeds. Its value can be true or false.
AutoReconnectInterval	Interval of reconnecting. 30 indicates reconnecting at the interval of 30 seconds.
AutoReconnectAttempt	Attempt times of reconnecting if reconnecting fails. 0 indicates infinite.

[Global_Configuration]

Parameter	Meaning
Cert_Path	Certificate storage location. Its value can only be: <ul style="list-style-type: none"> 0: indicates the certificate is stored for the current user and local computer. 1: indicates the certificate is stored for the current user. 2: indicates the certificate is stored for the local computer.
Condition_And	The logical relationship between certificate filters. Its value can only be: <ul style="list-style-type: none"> 0: indicates logical OR. 1: indicates logical AND.
No_Selecting	Whether to display the select certificate dialog box. Its value can only be 0 (display) or 1 (not display).
Filter_Name	The certificate name used as the certificate filter.
Filter_Provider	The certificate issuer used as the certificate filter.

[site_configuration]

Parameter	Meaning
Host	Hostname or IP address of the virtual site.
Port	Port of the virtual site.
Username	Username for logging into the virtual site.
Password1	Password for AAA authentication. It must be input in cryptograph.
Password2	Not used currently.
Password3	Not used currently.
ProxySet	How to use proxy. Its value can only be <ul style="list-style-type: none"> 1: Never use proxy. 2: Automatically detect and use the IE proxy. 3: Use proxy by specifying proxy host and port.
ProxyType	Proxy type. Its value can only be: <ul style="list-style-type: none"> 1: Auto. 2: Basic. 4: NTLM. If you do not know the type, just enter 1.
ProxyHost	Proxy host
ProxyPort	Proxy port
ProxyUsername	Proxy authentication username
ProxyPassword	Proxy authentication password
ProxyDomain	Proxy authentication domain
VPNServer_Rule	VPN server type. Its value can only be: <ul style="list-style-type: none"> 0: AG_VPN. 1: SPX_L3VPN. 2: SPX_L4VPN.

Configuration Example

[Standalone_Configuration]

DefaultProfile=site_02

AutoLogin=false

AutoRun=false

AutoConnect=false

AutoReconnect=false

AutoReconnectSessionInvalid=false

AutoLoginUser=administrator

AutoLoginPass=9b82949e

AutoLockScreen=false

AutoReconnectInterval=30

AutoReconnectAttempt=0

[Global_Configuration]

Cert_Path=1

Condition_And=0

No_Selecting=0

Filter_Name=

Filter_Provider=

[site_01]

Host=10.8.4.45

Port=443

Username=

Password1=

Password2=

Password3=

ProxySet=1

ProxyType=1

ProxyHost=

ProxyPort=0

ProxyUsername=

ProxyPassword=

ProxyDomain=

VPNServer_Rule=0

[site_02]

Host=intranet.arraynetworks.net

Port=443

Username=

Password1=

Password2=

Password3=

ProxySet=3

ProxyType=1

ProxyHost=192.168.3.41

ProxyPort=443

ProxyUsername=aa

ProxyPassword=cedf

ProxyDomain=ff

VPNServer_Rule=0