

How to Customize MotionPro Client?

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

1. Basic Customization

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

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

OEM.ini contains nine predefined sections: [Startup], [Settings], [DNSProxy], [DesktopDirect], [OEMString], [GMSKF], [InstallPKG], [UninstallPKG] and [KillPKGProcess].

1.1 [Startup]

CompanyName=Array Networks

ApplicationName=MotionPro

CompanyURL=http://www.arraynetworks.net

Version=1.2.18

Remark:

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 “MotionPro”. 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 be 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.

Version: specifies the version of the VPN Client.

1.2 [Settings]

CreateShortcut=1

DisableAutoLoginWindows=0

DisableFFTrustSystemRootca=0

SetLocalDNSDropFlag=0

EnableClientSecurityV5=1

H5EdgeDetect=1

DisableClientUpgrade=0

ShowDDRResource=0

ShowWebResource=0

RetainCurrentConfig=0

DisplayTabwidget=0

ShowWebPortal=1

LeftClickWebPortal=0

LaunchWebAfterConnected=0

DisableCheckOldPwd=0

BrowserType=CEIF3Q

BrowserPath=

LaunchURL=

ProxyScriptNoRewrite=0

VirtualNetworkCardType=0

AuthorizePwdDown=0

VPNRealConnected=0

SSTPAdapterPort=65443

InstallTDIonWin7=0

EnableBestWay=1

EnableHttpdCheck=0

ShowUIAfterConnected=0

ShowMenuAfterConnected=1

ClearIECookie=0

ShowIDWithUnameNULL=0

HWIDType=1

HWIDDomainType=0

ProfileBackupType=0

VPNTunnelProtocol=10

ProfileAutoImport=0

MPProfileUrl=

SSTPRouteMonitorOff=0

MachineCertFlag=0

InterfaceMetric=10

Remark:

CreateShortcut: controls whether shortcut is created on the desktop. The value can be 0 (not created) or 1 (created).

DisableAutoLoginWindows: controls whether automatic login to windows is disabled. The value can be 0 (enable) or 1 (disable).

DisableFFTrustSystemRootca: controls whether the Firefox trust system root certificate is disabled. The value can be 0 (enable) or 1 (disable).

SetLocalDNSDropFlag: specifies the flag of DNS drop. The value can be 0 (add all local DNS to list) or 1 (don't add local DNS to the list).

EnableClientSecurityV5: controls whether Client Security V5 is enabled. The value can be 0 (disable) or 1 (enable).

H5EdgeDetect: controls whether H5 Edge detection is enabled. The value can be 0 (disable) or 1 (enable).

DisableClientUpgrade: controls whether VPN client upgrade is disabled. The value can be 0 (enable) or 1 (disable).

ShowDDResource: controls whether DD resource is displayed on the UI page after VPN connection. The value can be 0 (not displayed) or 1 (displayed).

ShowWebResource: controls whether web resource is displayed on the UI page after VPN connection. The value can be 0 (not displayed) or 1 (displayed).

RetainCurrentConfig: controls whether current configuration is retained when uninstalling VPN client. The value can be 0 (not retained) or 1 (retained).

DisplayTabwidget: controls whether tab widget is displayed on the UI page of VPN client. The value can be 0 (not displayed) or 1 (displayed).

ShowWebPortal: controls whether web portal is displayed after VPN connection. The value can be 0 (not displayed) or 1 (displayed).

LeftClickWebPortal: controls whether the web portal button can be left clicked. The value can be 0 (disable) or 1 (enable).

LaunchWebAfterConnected: controls whether web is launched after VPN connection. The value can be 0 (not launched) or 1 (launched).

DisableCheckOldPwd: controls whether checking old password is disabled when changing password. The value can be 0 (enable) or 1 (disable).

BrowserType: specifies the priority of launching the browser by type. The default value is "CEIF3Q". C: Chrome; E: Edge; I: IE; F: FireFox; 3: 360 browser; Q:QQ browser.

BrowserPath: specifies the path of browser.

LaunchURL: specifies the launch url when the web portal is displayed.

ProxyScriptNoRewrite: controls whether proxy script rewriting is disabled. The value can be 0 (enable) or 1 (disable).

VirtualNetworkCardType: specifies the type of virtual network card. The value can be 1 (SSTP), 1 (VNIC) or 11(SSTP and no need switch to VNIC).

AuthorizePwdDown: specifies the order of password entry boxes for multi factor authentication. The value can be 0 (order: password -> OTP -> second password -> third password) or 1 (order: password -> second password -> third password -> OTP).

VPNRealConnected: controls whether VPN real connection is enabled. The value can be 0 (disable) or 1 (enable).

SSTPAdapterPort: specifies the port of SSTP adapter.

InstallTDIOnWin7: controls whether TDI is installed on win7. The value can be 0 (not installed) or 1 (installed).

EnableBestWay: controls whether the optimal gateway connection is enabled. The value can be 0 (disable) or 1 (enable).

EnableHttpdCheck: controls whether Httpd checking is enabled. The value can be 0 (disable) or 1 (enable).

ShowUIAfterConnected: controls whether UI is displayed after VPN connection. The value can be 0 (not displayed) or 1 (displayed).

ShowMenuAfterConnected: controls whether menu is displayed after VPN connection. The value can be 0 (not displayed) or 1 (displayed).

ClearIECookie: controls whether IE cookie is cleared. The value can be 0 (not cleared) or 1 (cleared).

ShowIDWithUnameNULL: controls whether the ID with empty user name is displayed. The value can be 0 (not displayed) or 1 (displayed).

HWIDType: specifies the type of HWID. The value can be 0 (Hardware ID), 1 (OS ID), 2 (MotionPro deviceID), 3 (ART deviceID) or 4 (CPU ID).

HWIDDomainType: specifies the type of HWID domain. The value can be 0, 1 or 2.

ProfileBackupType: specifies the priority for finding profile backup. The value can be 0 (order: default profile directory -> current user directory -> Installation directory of VPN client), 1 (default profile directory -> Installation directory of VPN client -> current user directory) or 2 (Installation directory of VPN client -> current user directory -> default profile directory).

VPNTunnelProtocol: specifies the protocol of VPN tunnel. The value can be 0 (TCP protocol), 1 (UDP protocol) or 10 (default tunnel protocol).

ProfileAutoImport: controls whether the profile can be import automatically. The value can be 0 (disable) or 1 (enable).

MPProfileUrl: specifies the url of VPN client profile.

SSTPRouteMonitorOff: controls whether the SSTP route monitor is turned off. The value can be 0 (on) or 1 (off).

MachineCertFlag: specifies the flag of machine cert. The value can be 0 (current user), 1 (local machine) or 2 (both current user and local machine).

InterfaceMetric: specifies the interface metric. The value range is 0 to 9999.

1.3 [DNSProxy]

DNSProxyType=4

DNSProxyEnableHosts=0

DNSProxyEnableRedirect=0

Remark:

DNSProxyType: specifies the type of DNS proxy. The value can be 0 (DNS proxy enable edit), 1 (DNS proxy disable edit), 2 (enable DNS proxy), 3 (disable DNS proxy) or 4 (DNS proxy server).

DNSProxyEnableHosts: controls whether advanced domain name mapping is enabled in the options dialog. The value can be 0 (disable) or 1 (enable).

DNSProxyEnableRedirect: controls whether advanced redirection is enabled in the options dialog. The value can be 0 (disable) or 1 (enable).

1.4 [DesktopDirect]

DDMaxDescriptionLenW=0

DDMaxDescriptionLenH=0

Remark:

DDMaxDescriptionLenW: specifies the maximum width of the remote desktop icon. The value range is 128 to 1024, and the default value is 160.

DDMaxDescriptionLenH: specifies the maximum height of the remote desktop icon. The value range is 64 to 512, and the default value is 80.

1.5 [OEMString]

labwelcome=

labsecuretunnel=

labconnected=

btnaddprofile=

labLogin=

labMethod=

labUsername=

labUsernameHint=

labPwd=

labPwdHint=

labPwd2=

labPwd2Hint=

labPwd3=

labPwd3Hint=

labPwdSMS=

labPwdSMShint=

Remark:

labwelcome: specifies the welcome message on the main UI page of VPN client.

labsecuretunnel: specifies the tunnel prompt after connection on the main UI page of VPN client.

labconnected: specifies the prompt for successful connection on the main UI page of VPN client.

btnaddprofile: specifies the prompt of the add profile button on the main UI page of VPN client.

labLogin: specifies the title of the authentication dialog.

labMethod: specifies the prompt of the login method label in the authentication dialog.

labUsername: specifies the prompt of the username label in the authentication dialog.

labUsernameHint: specifies the prompt for the username input box in the authentication dialog.

labPwd: specifies the prompt of the password label in the authentication dialog.

labPwdHint: specifies the hint for the password input box in the authentication dialog.

labPwd2: specifies the prompt of the second password label in the authentication dialog.

labPwd2Hint: specifies the hint for the second password input box in the authentication dialog.

labPwd3: specifies the prompt of the third password label in the authentication dialog.

labPwd3Hint: specifies the hint for the third password input box in the authentication dialog.

labPwdSMS: specifies the prompt of the SMS password label.

labPwdSMShint: specifies the hint for the SMS password input box.

1.6 [GMSKF]

sslproto=2

skfdriverlist=

skfshowtype=2

Remark:

sslproto: specifies ssl protocol. The value can be 0 (INIT), 1 (TLS10), 2 (TLS12), 3 (SSLV3), 4 (TLS11), 5 (TLS13) or 6 (SM2).

skfdriverlist: specifies the name of SKF certificate driver. Users need put SKF certificate drivers in the installation package of VPN client. In this way, different versions of UKey certificates can be adapted. Multiple drivers can be set at the same time, and the names are separated by ";".

skfshowtype: specifies GM SKF certificates rule. The value can be 0 (Show valid Certificates), 1 (Show all Certificates), or 2 (Show the newest Issued Certificate).

1.7 [InstallPKG]

number=0

pkg1=

Remark:

number: specifies the number of plug-ins that need to be installed. If $number \geq 1$, start to find the name of the installer of the plug-ins (pkg1, pkg2, ..., pkg[number]) and install them in turn.

pkg1: specifies the name of the installer of the plug-ins. And this installer should be placed in the installation folder of the VPN Client.

1.8 [UninstallPKG]

number=0

path1=

Remark:

number: specifies the number of plug-ins that need to be uninstalled. If $number \geq 1$, start to find the path of the uninstaller of the plug-ins (path1, path2, ..., path[number]) and uninstall them in turn.

path1: specifies the path of the uninstaller of the plug-ins.

1.9 [KillPKGProcess]

number=0

process1=

Remark:

number: specifies the number of plug-in processes that need to be killed. If number > = 1, start to find the path of the processes of the plug-ins (process1, process2, ..., process[number]) and kill them in turn.

process1: specifies the path of the processes of the plug-ins.

Note:

[InstallPKG], [UninstallPKG] and [KillPKGProcess] are customized at the same time, so as to realize the joint installation and uninstallation of plug-ins and the VPN client. As shown in the following example.

e.g.

[InstallPKG]

number=1

pkg1=NetAuthSSOCNG.exe

[UninstallPKG]

number=4

path1=C:\Program Files (x86)\Infosec NetAuthSSOCNG\unins000.exe

path2=C:\Program Files (x86)\Infosec NetAuthSSOCNG\unins001.exe

path3=C:\Program Files\Infosec NetAuthSSOCNG\unins000.exe

path4=C:\Program Files\Infosec NetAuthSSOCNG\unins001.exe

[KillPKGProcess]

number=2

process1=InfosecNetAuthSSOCNGService.exe

process2=InfosecNetAuthSSOCNG.exe

2. Advanced Customization

Advanced Customization consists of: logo customization, and icon 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

How to Customize the motionpro.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 motionpro.ini file, or copy a motionpro.ini file to replace the old one. By default, the file motionpro.ini file does not exist.

In addition, Array provides a template named motionpro_template.ini in the setup package. You can customize your own motionpro.ini file with this template. Please note that MotionPro client only recognizes the file named “motionpro.ini”. Therefore, please keep the file name right. Besides, Password settings can't be customized.

Parameter Description

Meanings of parameters in motionpro.ini are as follows:

[global]

Parameter	Meaning
default_profile	Default profile. You can set any profile as default.
autologinwindows	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.
windows_username	Username used for automatically log into the Windows operating system.
windows_password	Password for the username used for automatically log into the Windows operating system.
lockscreen	Whether to lock the screen for the Windows operating system when login succeeds. Its value can be true or false.

[profiles]

Parameter	Meaning
data\1\host	Hostname or IP address of the virtual site.
data\1\port	Port of the virtual site.
data\1\name	Username for logging into the virtual site.