

How to Install the SSL VPN Agent in Non-interactive Mode

<https://campus.barracuda.com/doc/41113888/>

Running the Barracuda SSL VPN Standalone Agent installer in non-interactive mode allows distributed installation of the SSL VPN Agent on multiple clients. When the users launch the agent on their system they can login and then launch their SSL VPN resources directly from the taskbar. For information on how to manually install the SSL VPN Standalone Agent on a client, see [SSL VPN Standalone Agent User Guide](#).

Install the SSL VPN Agent using one of the following methods:

- **Automated** - An automated installation of the SSL VPN Agent via MSAD group policy.
- **Silent** - A silent installation that can be run manually or from a script.

Requirements

To install the SSL VPN Agent in non-interactive mode you need the following scripts:

agent.properties configuration file:

```
#Standalone Agent configuration
```

```
protocol=https
```

```
host=sslvpn.barracuda.com
```

```
port=443
```

```
locale=en
```

```
log4j=log4j.properties
```

```
#Proxy Server
```

```
clientProxy.type=http
```

clientProxy.hostname=192.168.0.1

clientProxy.port=3128

clientProxy.username=username

clientProxy.password=0BF\ :1v2jluum1xtv1zej1zer1xtn1uvk1v1v

clientProxy.ntlmDomain=domain

clientProxy.preferredAuthentication=BASIC

clientProxy.pacUrl=

extensionClasses=com.sslexplorer.enterprise.nac.agent.NacAgent,com.sslexplorer.agent.client.webforwards.WebForwardAgentExtension,com.sslexplorer.agent.client.applications.ApplicationAgentExtension,com.sslexplorer.agent.client.tunneling.TunnelAgentExtension,com.sslexplorer.agent.client.networkplaces.NetworkPlaceAgentExtension,com.sslexplorer.enterprise.deviceconfig.agent.DeviceConfigurationAgentProxy,com.sslexplorer.drives.DrivesAgentProxy

allowUntrustedConnections=true

standaloneAgent.vbs file:

```
' Barracuda Networks SSL VPN Standalone Agent deployment script
' Copyright 2014 Barracuda Networks
'
' This script takes zero or more arguments:
' Optional arguments:
'         /responsefile:"\\server\share\responseFile.txt"
```

Contains options to be pre-configured on the client

```
'           /dir:"C:\Program Files\Barracuda\SSL VPN
Agent"           Specifies non-default directory for
installation

'
/uninstall
Performs unattended uninstallation

' Set up basic environment

Set objFSO = CreateObject("Scripting.FileSystemObject")

Set objShell = CreateObject("WScript.Shell")

strSourceDir = objFSO.GetParentFolderName(WScript.ScriptFullName)

strArguments = "-q"

strDebug = false

' Read in any provided arguments

Set colNamedArguments = WScript.Arguments.Named

' Pick up the argument to point out where the properties file is

If colNamedArguments.exists("responsefile") Then strArguments = strArguments
& " -varfile "" & colNamedArguments.Item("responsefile") & ""

' Check to see if the user wants to see a splash screen for debugging
```

```
If strDebug Then strArguments = strArguments & " -splash ""Barracuda Networks  
SSL VPN""
```

```
' Check for a specified directory, otherwise use the default
```

```
If colNamedArguments.exists("dir") Then
```

```
    strTargetDir = colNamedArguments.Item("dir")
```

```
    strArguments = strArguments & " -dir "" " &  
colNamedArguments.Item("dir") & "" ""
```

```
ElseIf Not colNamedArguments.exists("dir") Then
```

```
    strTargetDir = "C:\Program Files\Barracuda\SSL VPN Agent"
```

```
End If
```

```
If (colNamedArguments.exists("uninstall")) Then
```

```
    If objFSO.FileExists(strTargetDir & "\uninstall.exe") Then
```

```
        If strDebug Then WScript.echo "DEBUG: Running  
" & strTargetDir & "\uninstall.exe" & " " & strArguments
```

```
        objShell.Exec(strTargetDir & "\uninstall.exe"  
& " " & strArguments)
```

```
    End If
```

```
ElseIf Not (colNamedArguments.exists("uninstall")) Then
```

```
    If (is64Bit() = true) Then
```

```
        strInstaller = strSourceDir & "\sslvpn-agent-  
windows-x86_64.exe"
```

```
ElseIf (is64bit() = false) Then

    strInstaller = strSourceDir & "\sslvpn-agent-
windows-x86.exe"

End If

If (isInstallerNewer(strInstaller, strTargetDir &
"\agent.exe") = true) Then

    If strDebug Then WScript.echo "DEBUG: Running
" & strInstaller & " " & strArguments

    objShell.Exec(strInstaller & " " &
strArguments)

Else

    If strDebug Then WScript.Echo "DEBUG:
Installed agent is the same version or newer, doing nothing"

End If

End If

Function is64Bit()

    Set objWMI = GetObject("winmgmts:\\.\root\CIMV2")

    set colProcessors = objWMI.ExecQuery("select AddressWidth
from Win32_Processor where DeviceID=""CPU0"")

    For Each objProcessor in colProcessors

        If (objProcessor.AddressWidth = 32) Then

            is64Bit = false

        ElseIf (objProcessor.AddressWidth = 64) Then
```

```
is64Bit = true

End If

Next

End Function

Function isInstallerNewer(strInstaller, strAgent)

    strInstallerVersion = objFSO.GetFileVersion(strInstaller)

    If objFSO.FileExists(strAgent) Then

        strAgentVersion =
objFSO.GetFileVersion(strAgent)

    Else

        strAgentVersion = "0"

    End If

    If strInstallerVersion > strAgentVersion Then

        isInstallerNewer = true

    Else

        isInstallerNewer = false

    End If

    If strDebug Then WScript.echo "DEBUG: Installer version is "
& strInstallerVersion & " and agent version is " & strAgentVersion

End Function
```

Automated installation via group policy

Create a MSAD group policy object and link it to an OU. All clients in this OU will have the software automatically installed.

1. Put the agent installers and the vbs file onto an accessible network share.
2. Using the MSAD Group Policy Management Console, create a new group policy object linked to an OU.

In the group policy object adjust the startup script depending on your requirements.

1. Edit the group policy object.
2. Navigate to **Computer Config > Policies > Windows Settings > Scripts > Startup**.
3. Change the startup script to one of the following, depending on your requirements.

Installation Options	Name	Parameters
Install the SSL VPN Agent silently into the default location (C:\Program Files\Barracuda\SSL VPN Agent).	\\server\share\standaloneAgent.vbs	-
Silently uninstall the SSL VPN Agent from the default location (C:\Program Files\Barracuda\SSL VPN Agent)	\\server\share\standaloneAgent.vbs	/uninstall
Install the SSL VPN Agent silently into a specified location	\\server\share\standaloneAgent.vbs	/dir:"C:\SSL VPN Agent"
Uninstall the SSL VPN Agent silently from the specified location	\\server\share\standaloneAgent.vbs	/dir:"C:\SSL VPN Agent" /uninstall
Install the SSL VPN Agent silently into the default location (C:\Program Files\Barracuda\SSL VPN Agent) and pre-configure to connect to sslvpn.barracuda.com (edit the agent.properties file to set the hostname).	\\server\share\standaloneAgent.vbs	/responsefile:"\\server\share\agent.properties To install a pre-configured agent in a non-standard directory use /responsefile with /dir

When the installer is replaced with a later version, this should automatically cause the installer to be run

once to upgrade the agent.

Silent installation

When performing a silent installation make sure you choose the right system version for your installation script.

To perform a silent installation either manually or via a script, run `sslvpn-agent-windows-x86.exe -q -varfile \\server\share\agent.properties`

-q (required) enables unattended mode.

-varfile (optional) tells the installer where to pick up preferences from (this file can be taken from a client which has had the agent manually installed)

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