


1E Client Shopping module settings

Summary

Installer properties and configuration settings for the Shopping client module of the 1E Client supported only on Windows computers. This module supports users connecting to the Shopping Portal, and provides the Windows Servicing Assistant (WSA).

 Installer properties and Configuration file settings:


[Module.Shopping.Enabled](#) | [Module.Shopping.AlternativeUrls](#) | [Module.Shopping.FirefoxSupportEnabled](#) | [Module.Shopping.InitializationFailureSleepSecs](#) | [Module.Shopping.LocalhostUrl](#) | [Module.Shopping.LoopbackExemptionEnabled](#) | [Module.Shopping.OrderTrackingEnabled](#) | [Module.Shopping.ShoppingCentralUrl](#) | [Module.Shopping.SsoEnabled](#)

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Enabling the Shopping client module allows the Windows Servicing Assistant (WSA) feature to be used. There are no additional settings required to enable or configure the WSA feature.

Configuration file settings are the same as the installer properties. There are no registry settings. Configuration file settings can be managed using [1E Client reconfiguration](#), Tachyon Explorer configuration instructions, Tachyon Guaranteed State policies, Configuration Manager baselines or other means.


 The Shopping client module of the 1E Client replaces the Shopping Agent used by versions of Shopping before v5.5. When the 1E Client starts, if the Shopping module is enabled the 1E Client will automatically remove any previous installation of the 1E Shopping Agent.

The Shopping client module is not supported on:

- Non-Windows devices
- [Legacy OS](#) (that is OS which Microsoft no longer support, including XP, Vista, Server 2008 etc.)


Shopping client settings



The table below lists the settings required to enable the Shopping client required for integration with Shopping v5.5 or later. The Shopping client module must be enabled on all Windows computers that will connect to the Shopping self-service portal.

 You must use UPPERCASE when specifying the *name* of any installer property in a **mst** transform file, and preferably when including them in a **msiexec** command-line.

Names of settings stored in the configuration file are not case-sensitive. Setting names stored in the registry may be case-sensitive and should be specified as shown.

Settings that have numeric values must be set using decimal integers, unless otherwise specified.

Shopping module setting	Installation default	Description
Module.Shopping.Enabled	false	<p>Set the value to true to enable the Shopping module. The default value is false.</p> <p>Shopping must be enabled so that users of a computer can use the 1E Shopping self-service portal, the Windows Servicing Assistant, and the 1E Virtual Assistant.</p> <div data-bbox="516 1549 1463 1640"><p> If enabled, when the 1E Client starts it will attempt to automatically remove any previous installations of the 1E Shopping Agent.</p></div>

<p>Module. Shopping. AlternativeUrls</p> <div style="border: 1px solid orange; padding: 5px; margin-top: 10px;">  This setting is not in the template configuration file. </div>	<p>(blank)</p>	<p>Optional. A list of URLs from which the Shopping module allows launching the WSA wizard. This setting is typically used to launch WSA from a ServiceNow application such as 1E Service Catalog Connect.</p> <p>Multiple URLs should be separated by pipe characters. For example <code>https://dev123456.servicenow.com https://dev987654.servicenow.com</code></p> <p>The Shopping client requests this value from the Shopping Central website (admin console setting: AlternativeUrls). If the client fails to connect to the website, it defaults to using this setting and retries later.</p>
<p>Module. Shopping. FirefoxSupportEnabled</p> <div style="border: 1px solid orange; padding: 5px; margin-top: 10px;">  This setting is not in the template configuration file. </div>	<p>(blank)</p>	<p>Optional. If this setting is not specified the value defaults to false. Set this value to true to enable support for the Firefox browser on HTTPS. If enabled, 1E Client Shopping module will create a CA certificate and a certificate with subject 'localhost' signed by the CA certificate and add those certificates to the Trusted Root Certification Authorities. This is required to allow launching the WSA wizard from third party websites like ServiceNow.</p> <p>The Shopping client requests this value from the Shopping Central website (admin console setting: Firefox support enabled). If the client fails to connect to the website, it defaults to using this local setting and retries later.</p>

**Module.
Shopping.
InitializationFailure
SleepSecs**

30

This setting controls the time the client waits before attempting to connect to the website specified in [Module.Shopping.ShoppingCentralUrl](#). If the client module fails to connect during startup, it does not initialize, and will retry at gradually increasing intervals until it is able to connect.

Range is 10 to 900, default is 30.

The log file may show this setting as InitializationRetryIntervalSecs.



This setting is not in the template configuration file.

**Module.
Shopping.
Localhost
Url**

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Optional. The localhost URL used by the Shopping client module to listen for localhost API calls. For example: <http://localhost:8000/ShoppingClientAgent/MachineInfo>

The Shopping client sets the value of **LocalhostUrl** by calling a server API which returns the value of **1E Client loopback URL** setting in the Shopping Admin Console. However, if the device is in a workgroup, or **Module.Shopping.SsoEnabled** is set to true, or some other reason the API cannot be called, then **Module.Shopping.LocalhostUrl** must be set locally. If set locally, the local setting will override the server setting, and you must ensure it matches the value configured in the Shopping Admin Console.

LocalhostUrl must be set to **https** if ShoppingCentralUrl is set to **https**, otherwise it can be **http** or **https**.

ShoppingCentralUrl	LocalhostUrl
http	http or https
https	https

When **LocalhostUrl** uses **https** the 1E Client Shopping client creates the following certificates on startup, and deletes them when shutting down:

- a self-signed certificate issued to **1ECA** added to the machine's Trusted Root Certification Authorities (ROOT) store
- a certificate issued by 1ECA issues to **localhost** added to the machine's Personal (MY) store.

If using **https** and Firefox browsers are used, then [Module.Shopping.FirefoxSupportEnabled](#) must be set to **true**.

Shopping client only allows inbound connections to **localhost (127.0.0.1)** which prevents remote access.

See [Information provided by the Shopping client](#) below for details of localhost API calls.



This setting is not in the template configuration file.

Module. Shopping. Loopback ExemptionEnabled	false	<p>Optional. Default value is false. Set this value to true if users are likely to use Microsoft Edge or other Metro browsers to access the Shopping website.</p> <p>The Shopping client requests this value from the Shopping Central website (admin console setting: Loopback exemption enabled). If the client fails to connect to the website, it defaults to using this local setting and retries later.</p> <p>When users connect to the Shopping Portal, the website needs to get the latest details about the local computer. Shopping may already have details from the Configuration Manager database, but these need to be confirmed and updated. Browser standards only allow websites to get limited information about the user and computer, therefore the website needs to make loopback calls to the local computer via the Shopping client. The following browsers permit loopback calls by default:</p> <ul style="list-style-type: none">• All versions of Chrome• All versions of Firefox• Non-Metro UI based Internet Explorer browsers (including legacy Internet Explorer) <p>If your Shopping users are using Edge and Metro Internet Explorer browsers, you must enable a Loopback Exemption to allow these browsers to make loopback calls. Exemption affects the browser as a whole and is not just restricted to the Shopping website. Before enabling this option, check your corporate security policy and be aware of the implications of allowing access between browsers and the local machine. By enabling loopback, you are only setting the Edge/Metro Internet Explorer browsers to the same level of security as other browsers which allow this setting already.</p> <p>If you are running an unattended install, you can use MODULE.SHOPPING.LOOPBACKEXEMPTIONENABLED for all OS but it only works on Windows 8, 8.1, 10 and Windows Server 2012 R2 and later.</p> <p>Shopping client only allows inbound connections to localhost (127.0.0.1) which prevents remote access.</p>
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**Module.
Shopping.
OrderTrac
kingEnabl
ed**

(blank)

Set this to false if you do not want to use either of the following Order Tracking features to show notifications to users:

- Shopping notification area icon
- Toast popups



This setting is not in the template configuration file.



When using Shopping 6.0, this setting is ignored, and the notification icon is not visible.




When using Shopping 6.1 or later, this setting only applies if you have both of the following

- 1E Client 5.2 **with the latest hotfix**
- Tachyon integration enabled on the Shopping server - to support Shopping 6.1 features: Order Tracking and Tachyon instruction application.

This setting does not affect Order Tracking emails, because they are controlled by the Shopping server.



New in 1E Client 5.2 Accumulate Hotfix.

<p>Module. Shopping. ShoppingCentralUrl</p>	<p>(blank)</p>	<p>The URL that the Shopping client module uses to connect to the Shopping Central website.</p> <p>Example: <code>https://shopping.acme.local/Shopping</code></p> <p>This is the URL of the Shopping Central website, comprising:</p> <ul style="list-style-type: none"> • scheme - either http or https • host header - DNS Name FQDN - this is the host header configured for the Shopping website, which is normally a DNS Name FQDN • port number - you do not have to provide this if using default port 80 or 443 • path - this is always /Shopping. <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p> This setting is mandatory when Module.Shopping.Enabled=true.</p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p> The Shopping client uses ShoppingCentralUrl to make the following API calls to obtain configuration settings from the Shopping Central website.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;"> <code><Module.Shopping.ShoppingCentralUrl> /WindowsServicingAssistant/GetTachyonAgentUrl</code> </td> <td style="padding: 5px;"> <ul style="list-style-type: none"> • LocalhostUrl </td> </tr> <tr> <td style="padding: 5px;"> <code><Module.Shopping.ShoppingCentralUrl> /WindowsServicingAssistant/ModuleConfig</code> </td> <td style="padding: 5px;"> <ul style="list-style-type: none"> • LocalhostUrl • AlternativeUrls • FirefoxSupportEnabled • LoopbackExemptionEnabled </td> </tr> </table> </div>	<code><Module.Shopping.ShoppingCentralUrl> /WindowsServicingAssistant/GetTachyonAgentUrl</code>	<ul style="list-style-type: none"> • LocalhostUrl 	<code><Module.Shopping.ShoppingCentralUrl> /WindowsServicingAssistant/ModuleConfig</code>	<ul style="list-style-type: none"> • LocalhostUrl • AlternativeUrls • FirefoxSupportEnabled • LoopbackExemptionEnabled
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<code><Module.Shopping.ShoppingCentralUrl> /WindowsServicingAssistant/ModuleConfig</code>	<ul style="list-style-type: none"> • LocalhostUrl • AlternativeUrls • FirefoxSupportEnabled • LoopbackExemptionEnabled 					
<p>Module. Shopping. SsoEnabled</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p> This setting is not in the template configuration file.</p> </div>	<p>false</p>	<p>Optional. Default value is false. Set this value to true if environment uses Single Sign On authentication to access Shopping website.</p> <p>When set to true, the Shopping client does not try to connect to the Shopping website and just uses the setting Module.Shopping.LocalhostUrl to listen for localhost API calls.</p> <p>When set to true, the Module.Shopping.LocalhostUrl must be specified and matches the value configured in the Shopping Admin Console under 1E Client loopback URL settings.</p> <p>The above client request process allows 1E products like Virtual Assistant to use the loopback feature without installing a Shopping website. For example, setting <code>Module.Shopping.SsoEnabled=true</code> allow the client to use the local value of LocalhostUrl.</p>				

Information provided by the Shopping client

The following localhost API calls can be entered directly in a browser on a device that has the Shopping client module of the 1E Client enabled and correctly configured. If the Shopping Central website binding is **https** then the localhost URL can accept either **http** or **https**, otherwise it can only accept **http**.

When using an Edge or Metro versions of Internet Explorer browser, you must set **Module.Shopping.LoopbackExemptionEnabled=true**.

Machined

The following table shows example details sent by the Shopping client to the Shopping Central server. The client makes a localhost API call **Machined** API to get the details, and then uses a server API call to post them to the Shopping Central website, which creates or updates the machine details in the Shopping database and returns the **Machined** GUID from the database. Details are shown in the `1E.Client.log`.

This call is made when a user browses to the Shopping Web Portal, and the website uses the loopback feature to query the local computer.

You can test this by entering <http://localhost:8000/ShoppingClientAgent/MachineInfo/MachineId> directly in a browser.

Attribute	Description	Example
HostName	Computername	ACME-WIN1001
HostDomainName	Computer's NetBIOS Domain Name	ACME
AssignedSite	Configuration Manager client Site code	CM1
MacAddress	Computer's MAC Address	20-68-9D-5B-EB-73
OSVersion	OS Version	10.0.15063
OSArchitecture	OS Architecture	64-bit
OSRole	The role of the OS. Values are: <ul style="list-style-type: none">• 1 – Workstation• 2 – Domain controller• 3 – Server	1
SccmVersion	Configuration Manager client version	5.00.9012.1020
Uniqueld	Configuration Manager client GUID	GUID:04804aed-922c-4a4b-9f41-eab6592e7d83
IntuneDeviceId	Intune Device Id	02c967b2-de4d-5ac1-859c-a15cb11b7638
TenantId	Tenant Id	6babcaad-604b-40ac-a9d7-9fd97c0b779f
TenantName	Tenant Name	ACME
Fqdn	Fully Qualified Domain Name	ACME-WIN1001.ACME.LOCAL

Fqdn

The following example is JSON returned by the Shopping client when the **Fqdn** API call is made by Windows Servicing Assistant and 1E Virtual Assistant. Details are shown in the `1E.Client.log`.

You can test this by entering <http://localhost:8000/ShoppingClientAgent/MachineInfo/Fqdn> into a browser.

```
{"Fqdn": "1EUKCOL1184.ACME.local"}
```

Checking loopback exemption on Microsoft Edge and Metro Internet Explorer browsers

The following is valid only for Windows 8.1 and Windows 10.

Open a **command-prompt as administrator** on the computer you want to check, then run the following command to verify that loopback exemption was enabled during installation of the 1E Client.

```
CheckNetIsolation LoopbackExempt -s
```

Output should be:

```
C:\WINDOWS\system32>checknetisolation loopbackexempt -s
List Loopback Exempted AppContainers

[1] -----
Name: 001
SID: S-1-15-2-3624051433-2125758914-1423191267-1740899205-1073925389-3782572162-737981194-4256926629-1688279915-2739229046-3928706915

[2] -----
Name: microsoft.microsoftedge_8wekyb3d8bbwe
SID: S-1-15-2-3624051433-2125758914-1423191267-1740899205-1073925389-3782572162-737981194

OK.
```

If either of these items are missing, you can manually add them by executing the following commands. Quotes may be required around the name of the app.

For IE:

```
CheckNetIsolation LoopbackExempt -a -n=windows_ie_ac_001
```

For Edge:

```
CheckNetIsolation LoopbackExempt -a -n=Microsoft.MicrosoftEdge_8wekyb3d8bbwe
```

Removing

The exemption from loopback restrictions can also be removed for all apps installed by using the following command:

```
CheckNetIsolation LoopbackExempt -c
```

More information

For more information from Microsoft about CheckNetIsolation please refer to: [https://docs.microsoft.com/en-us/previous-versions/windows/apps/hh780593\(v=win.10\)](https://docs.microsoft.com/en-us/previous-versions/windows/apps/hh780593(v=win.10)).