

**opentext™**

# OpenText™ Application Quality Management

Software version: 4.5

## User Guide

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Document release date: January 2025

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# ALM Client Launcher

ALM Client Launcher is a lightweight and flexible tool that enables you to run an fully functional client on any Windows machine without the need for Internet Explorer or administrator permissions.

**Note:** You can use ALM Client Launcher along with the client MSI file generated by ALM Client MSI Generator.

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## What's new in ALM Client Launcher (Installer version)

The following enhancements are available in ALM Client Launcher 4.5:

- If you authenticate ALM Client Launcher with your default web browser, you can set the authentication timeout to a maximum of 120 seconds.
- Server addresses are all remembered as long as they are in the correct format, even if the deployment process fails.
- Custom user agent updates of ALM Client Launcher configuration.

## Prerequisites

Prepare the following before installing and using ALM Client Launcher.

- Install .NET Framework 4.7 or later.
- Install Microsoft Visual C++ 2015 Redistributable (x86) or later.
- If you install ALM Client Launcher in Windows Server, to have better download experience, we recommend that you disable the **IE Enhanced Security Configuration** option in Windows Server.

## Install ALM Client Launcher

ALM Client Launcher (Installer version) requires that you install it before running it.

### Before you install

Consider the following before you install ALM Client Launcher.

- You can install ALM Client Launcher using either the install wizard or the command line.
- You can install ALM Client Launcher for you only or for all users of the machine. It requires administrator privileges to install for all users.
- After ALM Client Launcher is installed, the shortcuts for ALM Client Launcher and ALM Client Configuration are automatically created under the ALM Client Launcher folder of the **Start** menu on your machine.

### To install using the install wizard:

1. Download ALM Client Launcher (Installer version) from [Marketplace](#).
2. Run the **ALMClientLauncherSetup.msi** file to open the install wizard.
3. In the License Agreement step, accept the terms in the License Agreement, and click **Install**.

4. If you install ALM Client Launcher for your account only, in the Installation Scope step, select **Install just for you**, click **Next**, and click **Install**.
5. If you install ALM Client Launcher for all user accounts of this machine, perform the following actions.
  - a. **Prerequisite:** You should have administrator privileges to install ALM Client Launcher for all users. If you are using a user account which is not administrator, a dialog box will pop up that asks you to enter admin user credentials.
  - a. In the Installation Scope step, select **Install for all users of this machine** and click **Next**.
  - b. In the Destination Folder step, specify the folder where ALM Client Launcher is installed, and click **Next**.

If you leave the install path as is, ALM Client Launcher is installed in the default folder: C:\Program Files (x86)\ALM Client Launcher\.

If you want to change the install path, click **Change** and specify a folder.
  - c. Click **Install**.
6. Wait until the install process completes. Click **Finish**.

If you select the **Go to ALM Client Configuration** checkbox, the ALM Client Configuration window opens, enabling you to configure ALM Client Launcher before using it. For details, see ["Configure ALM Client Launcher"](#).

## To install using the command line:

1. **Preparation:** We recommend you enable the installation log for ALM Client Launcher, especially if you run the command line in silent mode. This helps you understand installation details in case of installation failures.
2. Start Command Prompt in Windows.

If you want to install ALM Client Launcher for all users, start Command Prompt with the **Run as administrator** option selected.

## 3. Run the following command:

```
msiexec /i "{path of ALMClientLauncherSetup.msi}" WIXAPPFOLDER="{Installation directory}" APPLICATIONFOLDER="{Installation directory}" /log launcher.log /quiet MSIINSTALLPERUSER=1
```

Option	Description
<b>/i</b>	Required. Specify the path of the <b>ALMClientLauncherSetup.msi</b> file.
<b>WIXAPPFOLDER</b> <b>APPLICATIONFOLDER</b>	Optional. If you want to install ALM Client Launcher in a specified folder, use these two options together and make sure their values are the same.  To install ALM Client Launcher in a shared folder, specify the shared folder path in these two options.
<b>/log</b>	Optional. Enables log for the installation.
<b>/quiet</b>	Optional. Enables silent (non-interactive) mode for the installation.
<b>MSIINSTALLPERUSER</b>	Required only when you install ALM Client Launcher for your account only.  When you set the option is to "1", you install ALM Client Launcher for your account only. Otherwise, you install ALM Client Launcher for all users in this machine.



**Example:** If you want to install ALM Client Launcher just for your account in silent mode, with the installation log enabled, run the following command, and ALM Client Launcher will be installed in your default path.



```
msiexec /i C:\temp\ALMClientLauncherSetup.msi /quiet /log launcher.log  
MSIINSTALLPERUSER=1
```

4. (Optional) Check the log for installation details.

## To uninstall ALM Client Launcher

You can uninstall ALM Client Launcher using either the Control Panel or the command line.

To uninstall ALM Client Launcher by the command line, run the following command:

```
msiexec /x {7E4ECDE8-D922-472A-9B52-9A28B6B75B6D} /quiet /log launcher.log
```

If you want to uninstall ALM Client Launcher for all users, run the command as administrator.

## Configure ALM Client Launcher

Configure ALM Client Launcher, including log, web server settings, and proxy settings.



**Important:** To make configuration changes take effect, restart ALM Client Launcher after saving the changes.

### To configure ALM Client Launcher:

1. From the **Start** menu of your machine, open ALM Client Launcher > **ALM Client Configuration**.

Alternatively, you can open ALM Client Launcher and then click the

configuration icon



2. Configure the following settings for ALM Client Launcher.

## Web Server Settings

The **Web Server Settings** tab configures the Web Server credentials, WebClient certificates, and general HTTP settings.

Option	Description
<b>Web Server Credentials</b>	<p>When the web server requires user credentials, for example with SSO, enter <b>Web Server Username</b>, <b>Web Server Password</b>, and <b>Domain</b>.</p> <p>To force credentials to be entered for the web server to load, select <b>Always ask for credentials</b>.</p>
<b>Headers</b>	<p>For SSO users, enable <b>Add basic authentication header</b> and select whether to add the header when a cookie is present.</p> <ul style="list-style-type: none"><li>• For SSO users, this option must be selected to allow testing tools and Microsoft add-ins to connect.</li><li>• For SSO users, this option must be selected in case the SSO response does not contain an HTTP authentication error code for an unauthorized request.</li></ul>
<b>WebClient Certificates</b>	<p>Select <b>Use client certificate</b> according to the desired mode to define a client certificate if the HTTP server requires it for authentication. After selecting the mode, click <b>Select</b> to select the certificate.</p> <ul style="list-style-type: none"><li>• <b>Not specify mode.</b> No specific execution mode is set, but the OTA script displays user dialogs.</li><li>• <b>Interactive mode.</b> The OTA script displays user dialogs.</li><li>• <b>Non-interactive mode.</b> The OTA script does not display user dialogs.</li></ul> <p><b>Note:</b> To run UFT tests in a smart card authentication environment, select <b>Non-interactive mode</b> and select a valid client certificate. Ensure that the Certificate Authority that issued your client certificate is added to the Trusted Root Configuration Authorities list for the current user.</p>



<b>General HTTP Settings</b>	<p>Set the following HTTP settings:</p> <ul style="list-style-type: none"> <li>• <b>Connection Timeout.</b> Set the timeout in seconds for the HTTP connection between the ALM client or OTA script and the server.</li> <li>• <b>Enable HTTP Compression.</b> The HTTP traffic from the server to the client is compressed with a standard HTTP-compliant gzip compression.</li> <li>• <b>Use Default User Agent.</b> Regulate the user agent value in HTTP requests to the server. Select this checkbox to use the TeamSoft WinInet Component; otherwise, the user agent is the same as for Internet Explorer.</li> </ul>
<b>QCCH - SSL Type</b>	Select the SSL type for the QCCH (QC Connectivity Helper) connection from the dropdown list.

## Proxy Settings

The **Proxy Settings** tab configures the proxy server and proxy credentials.

Option	Description
<b>Proxy</b>	<p>Select the type of proxy server:</p> <ul style="list-style-type: none"> <li>• <b>Use a Proxy Server.</b> Select this option if the client or OTA script is using a proxy to connect to the server. Enter the proxy server port in <b>Proxy Port</b>, and enter the proxy server I.P. or machine name in <b>Proxy Server</b>.</li> <li>• <b>Use System Proxy Server.</b> Select this option if the system proxy setting is used for the client or OTA script connection to the server. This option and the <b>Use a Proxy Server</b> option are mutually exclusive.</li> <li>• <b>Bypass Proxy Server.</b> Select this option to bypass the proxy settings, when the client or OTA script does not use a proxy to connect to the server.</li> </ul>

**Proxy Credentials**

Enter **Proxy Username**, **Proxy Password**, and **Domain** if the proxy server requires user credentials.

To force credentials to be entered for the web server to load, select **Always ask for credentials**

**Note:** If you select **Always ask for credentials**, ALM Explorer asks for Web/Proxy credentials even if they are specified by the tool. If a user is not working with ALM Explorer, do not select this option.

## Log Settings

The **Log Settings** tab configures the log file.

Option	Description
<b>Write Client Side Log File</b>	To create a log file, select <b>Write Client Side Log File</b> and specify the path where the log file is created.

## Authentication Settings

The **Authentication Settings** tab sets the authentication mode.

Option	Description
<b>Authentication Mode</b>	Enter <b>API Key</b> and <b>Secret</b> for API Key authentication mode.

## Shared Login Settings

The **Shared Login Settings** tab sets the browser and timeout settings for external authentication, such as SSO authentication, ALM Client Launcher authentication, and Business Views Microsoft Excel Add-in authentication.

Option	Description
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<b>Use Custom User Agent</b>	<p>If you want to use a custom user agent, select this option and specify the user agent string.</p> <p>If you use the <b>ALM SharedLoginModule</b> user agent in a previous version, after the upgrade, the user agent is replaced with the following:</p> <pre>Mozilla / 5.0(Windows NT 10.0; WOW64; Trident / 7.0; rv: 11.0) like Gecko</pre> <p>To use a different user agent, replace the above string with your custom user agent string.</p>
<b>Use embedded web browser</b>	<ul style="list-style-type: none"> <li>• If it's selected, you get authenticated with the embedded browser, regardless of the setting of the <code>DISABLE_SLM_WITH_DEFAULT_WEBBROWSER</code> site parameter.</li> </ul> <p><b>IE Mode:</b> This option forces authentication using the embedded browser with IE mode. This is typically used in scenarios where specific authentication mechanism or configurations are required. For example, you can select this option if the embedded browser loading in Edge mode has compatibility issues, or the system interacts with legacy systems that are dependent on IE core functionalities, or your application uses custom authentication mechanisms that are optimized for IE core.</p> <ul style="list-style-type: none"> <li>• If it's not selected, you get authenticated with your default web browser, regardless of the setting of the <code>DISABLE_SLM_WITH_DEFAULT_WEBBROWSER</code> site parameter.</li> </ul>
<b>Authentication timeout</b>	<p>Available for authentication with your default web browser.</p> <p>Set the amount of time in seconds after which the authentication expires.</p> <p>You can set the timeout to a maximum of 120 seconds. By default, it is 60.</p>

## Launcher Settings

The **Launcher Settings** tab enables log and high-resolution displays for ALM Client Launcher.

Option	Description
<b>Enable Launcher Log File</b>	Toggles on or off log for ALM Client Launcher.
<b>Log Path</b>	If ALM Client Launcher log is enabled, specify where the log file is stored.
<b>Log Level</b>	<p>If ALM Client Launcher log is enabled, select the type of log file you want ALM Client Launcher to create.</p> <ul style="list-style-type: none"> <li>• <b>All.</b> Records all events.</li> <li>• <b>Information.</b> Records informational messages.</li> <li>• <b>Warning.</b> Records potentially harmful situations.</li> <li>• <b>Error.</b> Records error events.</li> <li>• <b>Debug.</b> Records events that are most useful for debugging.</li> </ul>
<b>Support High-DPI Mode</b>	Select this option if you want to use ALM Client Launcher against high-resolution displays.
<b>Enable Large UI</b>	Whether or not to display ALM Client Launcher in bigger fonts.

3. Click **Save**.

## Open Desktop Client with ALM Client Launcher (Installer version)

You can use ALM Client launcher to open Desktop Client, Site Administration (legacy version), and Lab Management, and register client components.

### To open Desktop Client:

1. From the Start menu of your machine, open ALM Client Launcher .
2. Enter the server URL in the following format: **http(s)://<Server>:<Port>/qcbn**
3. Click **GO**.

## To run Desktop Client on shared mode:

1. (Required only if you run the client on shared mode for the first time on this machine) Register the client on shared mode.
  - a. **Prerequisite:** Delete the **Delpoyment.ini** file from the **<install\_user>\AppData\Local\HP\ALM-Client** folder.
  - b. From the Start menu of your machine, run ALM Client Launcher as administrator.
  - c. Enter the server URL in the following format: **http (s)://<Server>:<Port>/qcbn/start\_a.jsp?sharedmode=true**. Wait until the ALM client registration process completes and close the window.
2. Start ALM Client Launcher, enter the following URL: **http (s)://<Server>:<Port>/qcbn/start\_a.jsp**, and click **Go**.

## To focus on an entity in Desktop Client:

1. From the Start menu of your machine, open ALM Client Launcher .
2. Enter the entity's URL in the launcher.

For example, the following URL opens Desktop Client and focuses on the defect 247001:

```
tds://<ALM Server>:<Port>/qcbn/DefectsModule-000000004243046514?EntityType=IBug&EntityID=247001
```

3. Click **GO**.

## To open Site Administration (legacy version):

1. From the Start menu of your machine, open ALM Client Launcher .
2. Enter the server URL in the following format: **http (s)://<Server>:<Port>/qcbn/SiteAdmin.jsp**
3. Click **GO**.

## To open Lab Management:

1. From the Start menu of your machine, open ALM Client Launcher .
2. Enter the server URL in the following format: **http(s)://<Server>:<Port>/qcbn/start\_a.jsp?projectType=LabManagement**
3. Click **GO**.

## To register client components:

1. From the Start menu of your machine, open ALM Client Launcher .
2. Enter the server URL in one of the following formats:

Action	URL
<b>Register ALM (32-bit)</b>	http(s):// <Server>:<Port>/qcbn/start_a.jsp?common=true
<b>Register Site Administration (32-bit)</b>	http(s)://<server>:<port>/qcbn/SiteAdmin.jsp?common=true
<b>Register ALM (64-bit)</b> Available in 16.0.1 and later	http(s)://<server>:<port>/qcbn/start_a.jsp?common=true&comsurrogate=true
<b>Register Site Administration (64-bit)</b> Available in 16.0.1 and later	http(s)://<server>:<port>/qcbn/SiteAdmin.jsp?common=true&comsurrogate=true

3. Click **GO**.

## Use ALM Client Launcher (Installer version) with command line

Besides the ALM Client Launcher UI, you can also use the command line as an alternative to work with it.

To use ALM Client Launcher with the command line, run one of the following:

- `ALMClientLauncher -<option>=<value>`
- `ALMClientLauncher -<option>:<value>`
- `ALMClientLauncher /<option>=<value>`
- `ALMClientLauncher /<option>:<value>`

The following table lists the available options.

Option	Description
<b>url</b>	Connects you to ALM.
<b>configpath</b>	Specifies the path for ALM Client Launcher Configuration.
<b>noconfig</b>	Stops using ALM Client Launcher Configuration.
<b>labmanagement</b> or <b>lab</b>	Connects you to Lab Management.
<b>reg</b> or <b>r</b>	Used along with the <b>clientpath</b> option. Registers client components on the specified folder.
<b>unreg</b> or <b>u</b>	Used along with the <b>clientpath</b> option. Unregisters client components on the specified folder.
<b>clientpath</b> or <b>cp</b>	Specifies the client file folder. Used along with the <b>reg</b> or <b>unreg</b> options only.
<b>help</b> , <b>h</b> , or <b>/?</b>	Shows help message.

## Limitations

Note the following limitations when using ALM Client Launcher.

- If you installed and configured an ALM Client Launcher version earlier than 4.4, then after installing a later version, open ALM Client Launcher before opening ALM Client Configuration. Otherwise, the launcher settings are not reserved in the new version.
- Don't rename the **ALMClientLauncher.exe** file. Otherwise, you cannot run ALM Client Launcher successfully.
- After uninstalling ALM Client Launcher, we recommend that you use the ALM Client Cleanup tool to remove downloaded client components from your computer.

For details about the tool, see ["ALM tools, add-ins and extensions" on page 1](#).

### See also:

- ["Start OpenText Application Quality Management" on page 1](#)