

Launcher Help

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Software Release 1.6
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Refer to the [QuickLIT website](#) for the most up-to-date version of this document.

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Launcher Introduction

Welcome to Release 1.6 Launcher *Help* from Johnson Controls.

This document describes how to use the Launcher, a software application that lets you access any *Metasys®* server or supervisory engine on the building network, regardless of its software version.

Note: We recommend that customers using a *single-access computer that is shared between multiple user accounts* **exit the Launcher application after each user's session**. If the application is not shut down, Launcher prevents future user sessions for other accounts.

Key features of the Launcher include:

- Support to launch any version of the Site Management Portal (SMP) user interface or System Configuration Tool (SCT). Supported user interfaces include the Application and Data Server (ADS), Extended Application and Data Server (ADX), Network Automation Engine (NAE), and Network Control Engine (NCE).

Note: For Release 5.2 and earlier, the specific Java® Runtime Environment (JRE) particular to the SMP or SCT software release is still required on the client computer.

- Support for launching any website, including *Metasys* software products such as Ready Access Portal, *Metasys* UI, *Metasys* UI Offline and the *Metasys* Advanced Reporting System, as well as any other website (for example, Google® and Yahoo!® websites).

- Support of private, internal JRE to reduce security risks.

Note: For every *Metasys* release that the Launcher is used to connect to, a unique *Metasys* resource profile is downloaded to your machine (Microsoft® Windows® or Apple® Mac®). Each *Metasys* resource profile takes up about 115 MB. If you uninstall Launcher, manually delete the resource profile folder. [Table 1](#) contains the Launcher profile storage locations.

Table 1: Launcher Storage Locations

	Shared between All Users	Private for Individual Users
Windows	C:\ProgramData\Johnson Controls\Launcher\	C:\Users\<user name>\Johnson Controls\Launcher\
Mac	~\Users\Shared\Johnson Controls\Launcher\	~\Users\<user name>\Library\Application Support\Johnson Controls\Launcher\

Summary of Changes

The following information summarizes the updates for Release 1.6:

- Updated user interface screens throughout.
- Added specific instructions for starting the Launcher using Windows 7 in [Starting the Launcher](#).
- Added instructions for adding new device profiles using host names to accommodate new security and certificate offerings at *Metasys* Release 8.1 in [Adding a New SMP or SCT Device Profile](#).
- Clarified release numbers as it relates to the LauncherLink.txt file in [Adding New Device Profiles in Bulk](#).
- Removed the Check for Updates check box and updated the Application Options Window ([Figure 7](#)) and [Table 4](#) table to reflect the new HTTPS selection in [Specifying Options](#).
- Updated the number of languages the Launcher supports in [Specifying Options](#).
- Added the [Locating Certificate Names](#) section for assistance verifying host names match certificates.
- Added ODS and ADS-Lite documentation to [Launcher Related Documentation](#).

Launcher Procedures

Procedures for using the Launcher software application include:

- [Starting the Launcher](#)
- [Adding a New SMP or SCT Device Profile](#)
- [Adding a New Bookmark Profile](#)
- [Adding New Device Profiles in Bulk](#)
- [Editing an Existing SMP or SCT Device Profile Description](#)
- [Editing an Existing Bookmark Profile](#)
- [Deleting a Profile](#)
- [Using the Search Box](#)
- [Specifying Options](#)
- [Launching a Device](#)
- [Using Launcher Icon Right-Click Menu](#)
- [Exiting the Launcher](#)

Starting the Launcher

To start the Launcher, on the computer desktop, double-click the Launcher icon () or select **Programs > Johnson Controls > Launcher**. In Windows 7, double-click the Launcher icon () or select **All Programs > Johnson Controls > Launcher**. The Launcher screen appears ([Figure 1](#)). You can access all operations from the Main Screen of the Launcher.

Figure 1: Launcher Main Screen

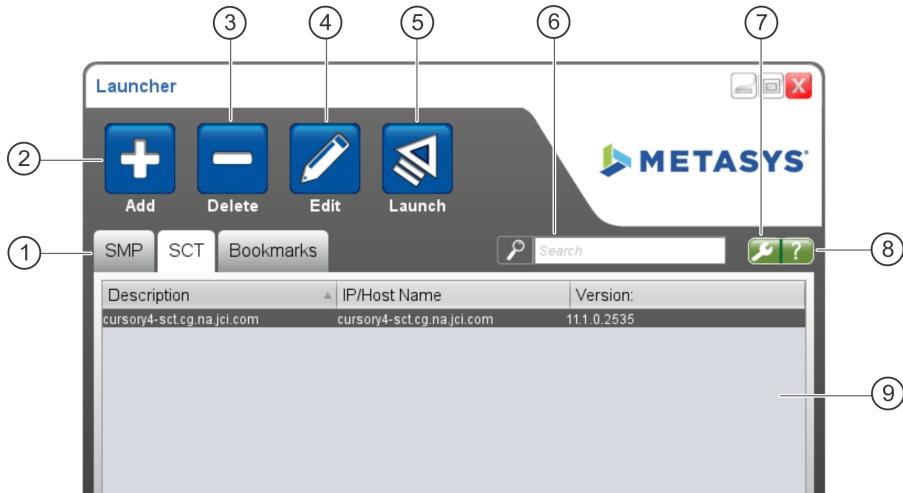


Table 2: Components of Main Screen

Callout	Name	User Action
1	Tabs	Click a tab to change the selections. The tabs are SMP, SCT, and Bookmarks. Bookmarks includes any website you want to launch with the Launcher, including the Ready Access Portal, Metasys UI, Metasys Advanced Reporting, or any other website. The Bookmarks tab only appears after you have created at least one bookmark.
2	Add	Click to open the Add New Profile dialog box. See Adding a New SMP or SCT Device Profile or Adding a New Bookmark Profile .
3	Delete	Click to delete the profile for the currently selected host device. See Deleting a Profile .
4	Edit	Click to edit the profile for the currently selected host device. See Editing an Existing SMP or SCT Device Profile Description or Editing an Existing Bookmark Profile .
5	Launch	Click to launch the user interface for the currently selected host device. See Launching a Device .

Table 2: Components of Main Screen

Callout	Name	User Action
6	Search	Enter search characters in this field. The search is performed by context, so any instance of the character in any of the three columns (Description, IP/Host Name, Version) is matched as you type each character.
7	Application Options	Click to display the Application Options dialog box. See Specifying Options .
8	Help/About	Click to display version information and a button for launching this help document.
9	Profile List	Select a host device to enable it for launching, or for editing and deleting its profile. Each column in the profile list is sortable. To sort, click the column.

Changing Launcher Resource Storage Location

Note: We recommend you set up Launcher link resource storage locations through the **Options** menu immediately after you install the application.

The Launcher links file storage locations control where the Launcher profile resources are stored. The **Shared between all users** option saves link resource files in a common location so the site links can be accessed by multiple users from the same computer. The **Private for individual users** option stores link resources in each individual user's location for private profile access.

	Shared between All Users	Private for Individual Users
Windows	C:\ProgramData\Johnson Controls\Launcher\	C:\Users\<user name>\Johnson Controls\Launcher\
Mac	~\Users\Shared\Johnson Controls\Launcher\	~\Users\<user name>\Library\Application Support\Johnson Controls\Launcher\

Launcher versions 1.5 and later automatically populate Launcher link resource files for you if your selected storage location is empty. Launcher retrieves site link resource files from all legacy Launcher storage locations, the **Shared between all user locations**, or the **Private for individual user locations** and copies them to your new selected storage location.

Note: We recommend that customers using a *single-access computer that is shared between multiple user accounts* **exit the Launcher application after each user's session**. If the application is not shut down, Launcher prevents future user sessions for other accounts.

Adding a New SMP or SCT Device Profile

1. On the Launcher screen, click the Add button (⊕). The Add New screen appears.
2. Depending on the release version of the device you are adding, select one of the following steps:
 - If the device is at Release 8.0 or earlier, type an IP address or host name.
 - If the device is at Release 8.1 or later, type the host name of the device that matches the certificate name on that machine. If you do not know the certificate name, go to [Locating Certificate Names](#) for more information.

Note: At Release 8.1, all Site Directors and network engines with the new release have self-signed certificates bound to the web server of the operating system. In order to obtain a trusted connection with a device at Release 8.1 or later, you must enter the host name of the device that matches the certificate name on that machine when adding a new device profile to Launcher. If you enter an IP address, the device will still function, but with an untrusted connection.
3. Click **Discover**. The Launcher searches for the device on the building network.

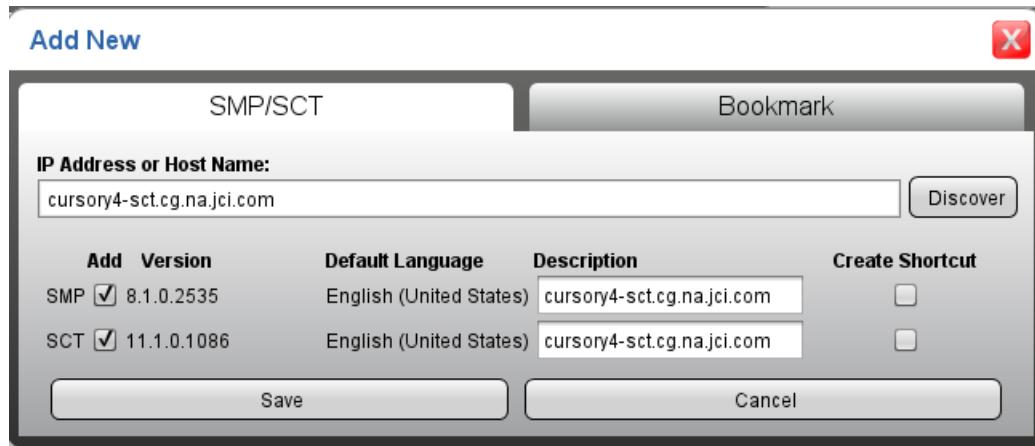
If the device is found, the message **Application(s) Found** appears, and the screen refreshes to indicate the application name, version, and default language of the device.

If the device is not found, the message **Application(s) Not Found** appears, and the messages **Check network connections** and **Check proxy settings in Options** appear. Make sure you enter the correct IP address or host name and specify any required correct proxy settings under the Options window. For proxy settings, see [Specifying Options](#).

4. Enter a profile name in the Description field (or use the default description name). This name is used to identify the device on the Main screen and on the computer desktop if you select **Create Shortcut**. Provide unique names for the two descriptions. If you use the same name for both descriptions, only the SCT desktop icon is created.

If this device has both SMP and SCT installed, separate entries appear for the SMP mode and the SCT mode ([Figure 2](#)).

Figure 2: Specify SMP/SCT Profile Name



5. Click **Add** to add the entry to the SMP and SCT profiles on the Main screen. You need to click **Add** for at least one of the choices for your changes to be saved. Preselection of the SMP and SCT Add check boxes is controlled from the Options window. For details, see [Specifying Options](#).
6. Click **Create Shortcut** if you want a shortcut icon created for this profile on your Desktop.

Note: You can also create a desktop shortcut later by right-clicking the SMP or SCT profile on the Main screen and selecting **Create Shortcut** from a menu.

7. Click **Save**. The new profile is saved, and the Launcher main screen appears with the new profile shown under the SMP or SCT tab.

If you clicked **Create Shortcut**, a shortcut labeled with the Description you entered is created on the computer desktop.

Note: For every Metasys release that the Launcher is used to connect to, a unique Metasys resource profile is downloaded to your Microsoft® Windows® or Apple® Mac® machine. Each Metasys resource profile occupies approximately 115 MB. If you uninstall Launcher, delete the resource profile folder. The Launcher storage location is dependent on the **Launcher Storage Location** option within the Launcher Options window. See [Specifying Options](#) for more detail.

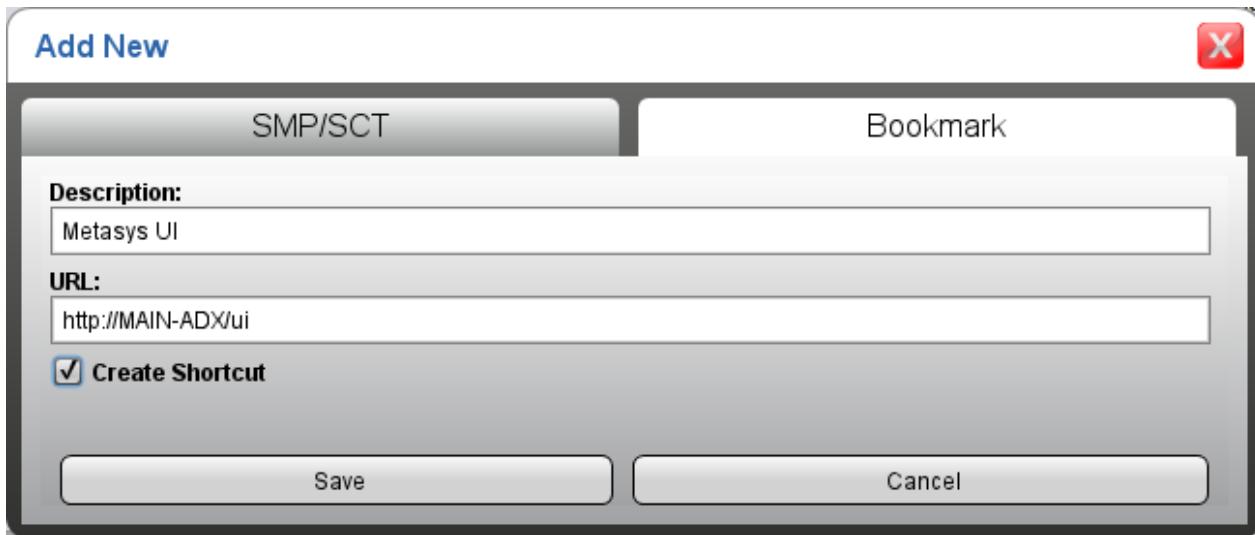
Table 3: Launcher Storage Locations Dependent on Storage Option Selections

	Shared between All Users	Private for Individual Users
Windows	C:\ProgramData\Johnson Controls\Launcher\	C:\Users<user name>\Johnson Controls\Launcher\
Mac	~\Users\Shared\Johnson Controls\Launcher\	~\Users<user name>\Library\Application Support\Johnson Controls\Launcher\

Adding a New Bookmark Profile

1. On the Launcher screen, click the **Add** button (+), then click the **Bookmark** tab. The Add New screen appears.
2. Type a description for the profile. For example, if you are creating a profile for the Ready Access Portal, you could specify **My Ready Access Portal** in this field.
3. Type the URL for the profile. This field accepts any valid website address. *Figure 3* shows an example.

Figure 3: Specify Bookmark Profile Name



If you specify an existing Bookmark, the message **Bookmark already added** appears.

Note: Select the **Create Shortcut** check box if you want Launcher to apply **HTTP://** to a bookmark. If **Create Shortcut** is selected and the user includes **HTTP://** in the URL, it is applied twice, and the site is not found.

4. Click **Create Shortcut** if you want a shortcut icon created for this profile on your Desktop.

Note: You can also create a desktop shortcut later by right-clicking the Bookmark profile on the Main screen and selecting **Create Shortcut** from a menu.

5. Click **Save**. The new profile is saved, and the Launcher main screen appears with the new profile shown under the **Bookmark** tab. If you clicked Create Shortcut, a shortcut labeled with the Description you entered is created on the computer desktop.

Adding New Device Profiles in Bulk

1. Close the Launcher if it is currently running.
2. Using Windows Explorer, browse to the location on the computer that has the Launcher software installed. The location depends on the operating system.

For Windows 10, Windows 8.1, Windows 7, Windows Server 2012 R2, Windows Server 2012, or Windows Server 2008 R2:

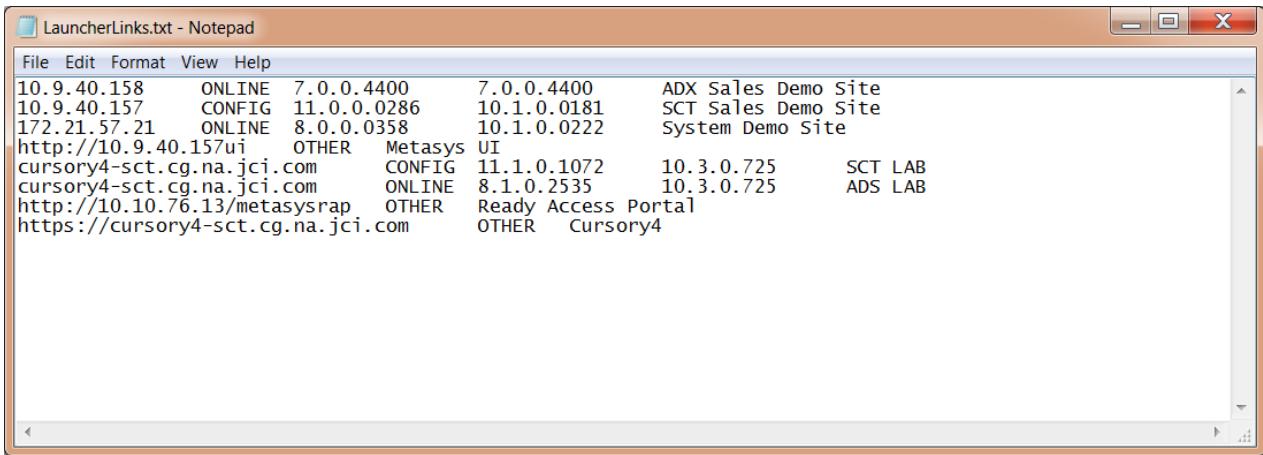
Shared between All Users (All Profiles Available to All Users)	Private for Individual User (Profiles Available to Named User Only)
C:\ProgramData\Johnson Controls\Launcher\	C:\Users\<user name>\Johnson Controls\Launcher\

For Apple® OS X® operating systems:

Shared between All Users (All Profiles Available to All Users)	Private for Individual User (Profiles Available to Named User Only)
~\Users\Shared\Johnson Controls\Launcher\	~\Users\<user name>\Library\Application Support\Johnson Controls\Launcher\

3. Make a backup copy of the **LauncherLinks.txt** file.
4. Using a text editor such as Notepad, open the **LauncherLinks.txt** file. The text file appears ([Figure 4](#)).

Figure 4: Example Text File for Launcher



5. Add each device to the **LauncherLinks.txt** file that you want to appear in the Launcher. Follow these rules:

- Use the following syntax for each SMP entry:
`<IP address or hostname><TAB>ONLINE<TAB><release number><TAB><SCT release number><TAB><description>`
- Use the following syntax for each SCT entry:
`<IP address or hostname><TAB>CONFIG<TAB><release number><TAB><SCT release number><description>`
- Use the following syntax for each Bookmark entry:
`<URL><TAB>OTHER<TAB><TAB><description>`
- Enter SMP and SCT devices first, then Bookmark entries.
- Separate each item you enter with one Tab character; however, for all OTHER entries, enter one tab after the URL, but **two tabs** after the word OTHER.
- Enter a hard return after each line.
- Do not enter any other extra text or try commenting in this file.
- You may fill the file with content pasted from a spreadsheet. Be sure to validate the syntax of each entry.

Note: Enter release numbers, not resource numbers in the **LauncherLinks.txt** file. Release numbers indicate the current *Metasys* version of your device profiles. Entries must follow the format described in Step 5, but release numbers do not need to be exact as Launcher will automatically update the device profiles to the correct release version.

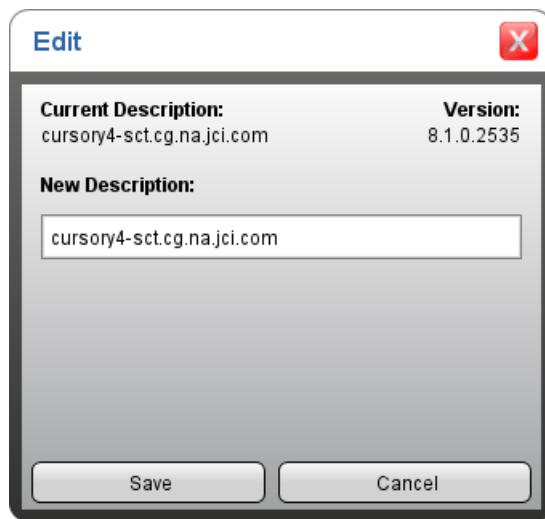
6. Click **Save**. The text file is saved with your entries.
7. Start the Launcher and verify that your entries now appear in the appropriate tab.

If a blank Launcher screen appears, you made an error in the text file. Reopen the **LauncherLinks.txt** file and fix the error. See the syntax rules in Step 5 for help. If necessary, you can also revert to the backup copy of the file you created in Step 3.

Editing an Existing SMP or SCT Device Profile Description

1. On the Launcher screen, click the **SMP** tab if you want to edit an existing SMP profile or the **SCT** tab if you want to edit an existing SCT profile.
2. Select the SMP or SCT profile whose description you want to edit and click the **Edit** button (>Edit). (You may also right-click the profile in the list and select **Edit** from the menu that appears.) The Edit screen appears.

Figure 5: Edit SMP or SCT Profile



3. Type a new description for the profile.

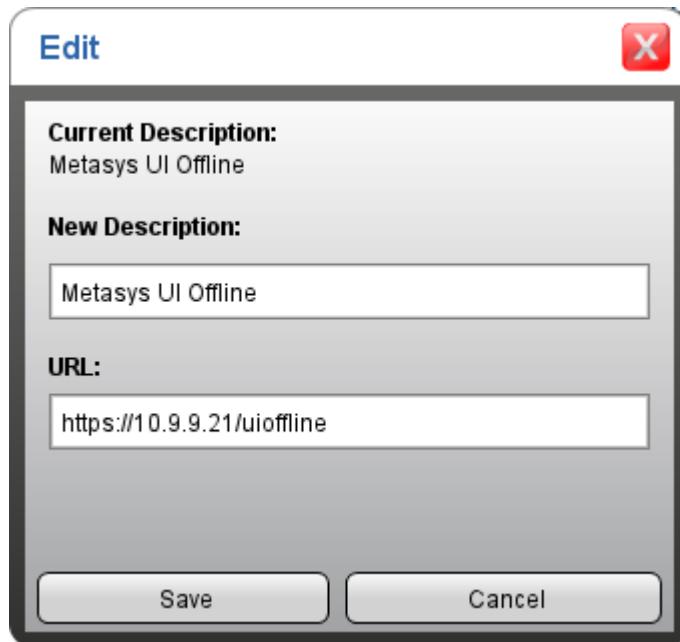
Note: You cannot change the IP address or host name of the device on the Edit screen. To make that change, delete then add the device again.

4. Click **Save**. The profile is saved with your changes and the Launcher main screen appears, indicating the change made.

Editing an Existing Bookmark Profile

1. On the Launcher screen, click the **Bookmarks** tab. The Bookmark profiles appear.
2. Select the Bookmark profile you want to edit and click the **Edit** button (>Edit icon). (You may also right-click the profile in the list and select **Edit** from the menu that appears.) The Edit screen appears.

Figure 6: Edit Bookmark Profile



3. Type a new description and URL.
4. Click **Save**. The profile is saved with your changes, and the Launcher main screen appears, indicating the changes made.

Deleting a Profile

1. On the Launcher screen, select the profile you want to delete and click the **Delete** button (Delete icon). (You may also right-click the profile in the list and select **Delete** from the menu that appears.) The message **Are you sure you want to delete?** appears.
2. Click **OK** to delete the profile (or **Cancel** to keep the profile). The Launcher main screen is refreshed with the profile deleted.

Note: Deleting the profile does not also delete its Desktop shortcut. To delete the shortcut, right-click the shortcut and select **Delete**.

Using the Search Box

1. On the Launcher screen, click inside the field adjacent to the Search icon (Search icon).
2. Type search characters in the field. The search is performed by context, so any instance of the character in any of the three columns (Description, IP/Host Name, Version) is matched as you type each character.

Specifying Options

Click the **Options** icon (gear icon) to open the Options dialog box. The Options dialog box offers several user-configurable options that apply to tool operation (Figure 7). For details, see [Table 4](#).

Figure 7: Application Options Window

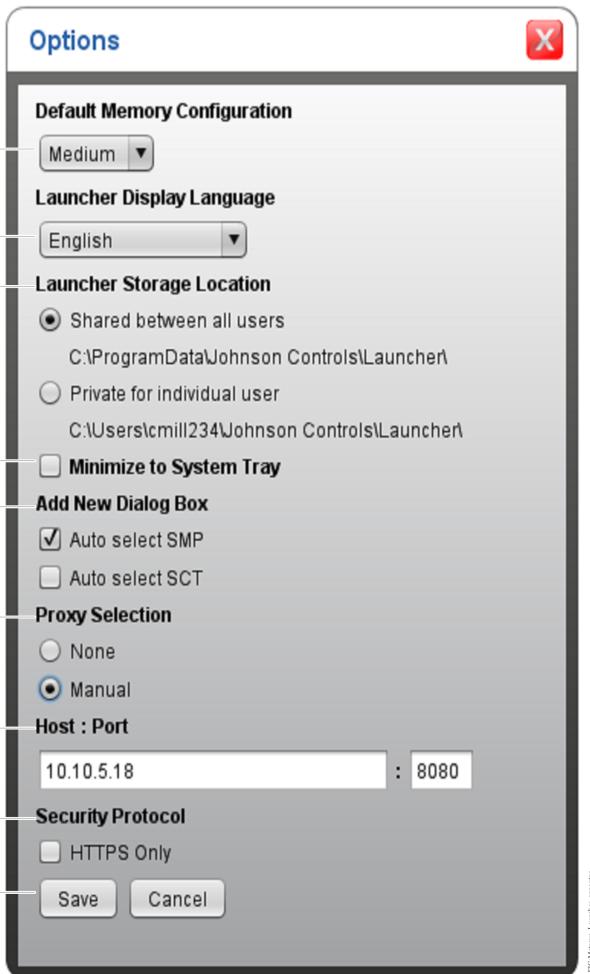


Table 4: Specifying Options

Callout	Field or Selection	What to do
1	Default Memory Configuration	<p>Select which memory configuration to use for the host device: High (1024 MB), Medium (512 MB), or Low (256 MB). Medium is the default memory configuration.</p> <p>Memory configuration is the memory size allocated for the user interface when you launch an SMP or SCT profile. We recommend that this be set to the default value, Medium. If you need to open multiple SMP UI sessions concurrently, select Low. If you open only one SMP UI session at a time, or you open large graphics in the SMP, select High.</p>
2	Launcher Display Language	Select which language to use for text on the screens and within user messages. Currently, 15 different languages are offered. The default selection is English.

Table 4: Specifying Options

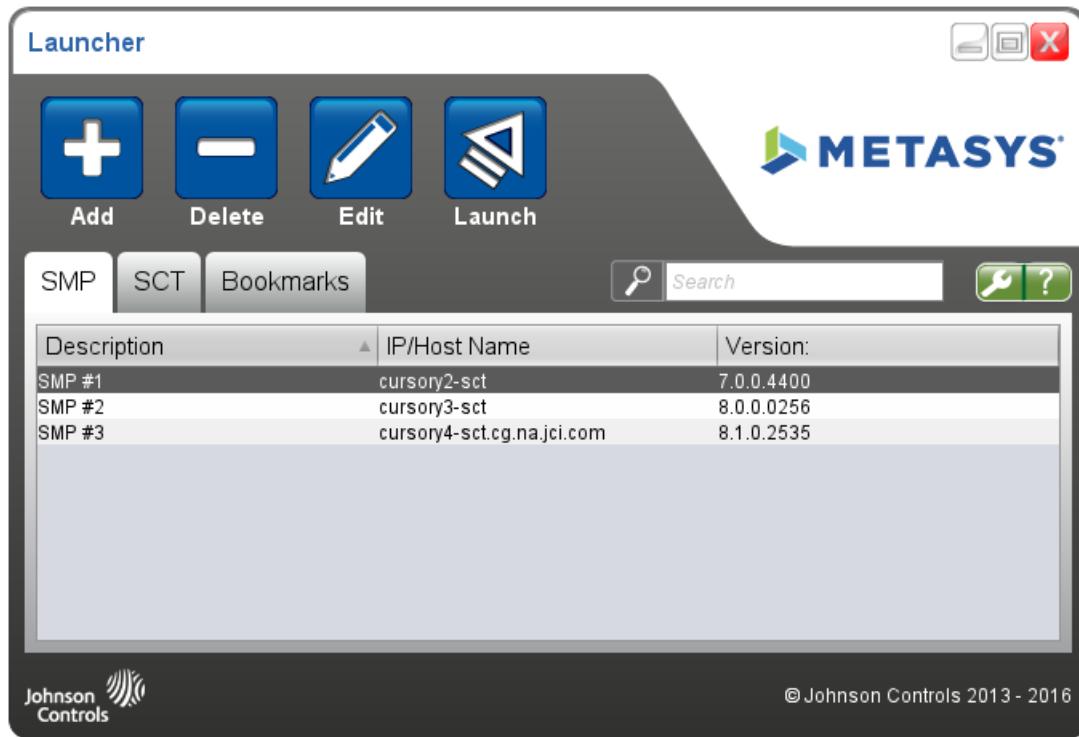
Callout	Field or Selection	What to do									
3	Launcher Storage Location Shared between all users Private for individual user	<p>These two options control the location where Launcher profile resources are stored. The Shared between all users option saves profiles in a common location so all profiles can be accessed by any user. The Private for individual users option stores profile resources in a base location for personalized profile access.</p> <p>Note: The Shared between all users option is the default Launcher storage location.</p> <table border="1"> <thead> <tr> <th></th> <th>Shared between All Users</th> <th>Private for Individual Users</th> </tr> </thead> <tbody> <tr> <td>Windows</td> <td>C:\ProgramData\Johnson Controls\Launcher\Resources</td> <td>C:\Users\<user name>\Johnson Controls\Launcher\</td> </tr> <tr> <td>Mac</td> <td>~\Users\Shared\Johnson Controls\Launcher\</td> <td>~\Users\<user name>\Library\Application Support\Johnson Controls\Launcher\</td> </tr> </tbody> </table>		Shared between All Users	Private for Individual Users	Windows	C:\ProgramData\Johnson Controls\Launcher\Resources	C:\Users\<user name>\Johnson Controls\Launcher\	Mac	~\Users\Shared\Johnson Controls\Launcher\	~\Users\<user name>\Library\Application Support\Johnson Controls\Launcher\
	Shared between All Users	Private for Individual Users									
Windows	C:\ProgramData\Johnson Controls\Launcher\Resources	C:\Users\<user name>\Johnson Controls\Launcher\									
Mac	~\Users\Shared\Johnson Controls\Launcher\	~\Users\<user name>\Library\Application Support\Johnson Controls\Launcher\									
4	Minimize to System Tray	Click this option if you want the Launcher to minimize to the system tray when you close the Launcher window.									
5	Add New Dialog Box Auto-select SMP Auto-select SCT	These two options control the preselection of the Add check boxes that appear when you are adding a new SMP and SCT profile. For example, if you click Auto-select SMP but not Auto-select SCT, only the SMP Add check box is selected for you when adding a new device profile.									
6	Proxy Selection ¹ None Manual	<p>These options control the configuration method required to access the Internet. For example, if you click Manual, the Host and Port fields are enabled.</p> <p>Note: Proxy host and port information is not automatically deleted when you switch between None and Manual proxy selection modes.</p>									
7	Host: Port ¹	<p>Specify the IP address or host name of the intermediary server on the building network and the port used by the proxy server if one is required to access the SMP or SCT host.</p> <p>Note: The Launcher uses the same Proxy Host and Port settings for all defined SMP and SCT hosts.</p>									
8	Security Protocol	<p>By default, the Launcher will attempt to communicate over both HTTP and HTTPS. You can select the HTTPS Only check box to turn off this functionality and communicate only over HTTPS.</p> <p>Note: Profiles at Release 8.0 and earlier can only communicate over HTTP. Release 8.1 profiles communicate over HTTPS. Leave the HTTPS Only box unchecked if you use profiles at Release 8.0 or earlier to ensure communication with all profiles.</p>									
9	Save	Click to save your entries.									

¹ The Launcher does not use this setting for websites defined under the Bookmarks tab. For sites under Bookmarks, the Internet connection settings as defined for your web browser are used.

Launching a Device

1. On the Launcher screen, click the SMP, SCT, or Bookmarks tab to locate the device (or website) in the profile list. Select the device in the list.

Figure 8: Selecting a Device to Launch



2. Click the **Launch** button (Speaker icon). (You may also right-click the profile in the list and select **Launch** from the menu that appears.) The standard *Metasys* system login screen appears.

Note: When you launch the SCT or SMP application, a notification may appear stating **This site requires an upgrade to Launcher in order to launch**. If this message appears, upgrade your Launcher Installer to the required version specified in the pop-up message at <http://www.johnsoncontrols.com/launcher>.

3. Log in to the *Metasys* system.
4. Close the Launcher by clicking the **X** icon (red X) in the upper-right corner of the screen.

Using Launcher Icon Right-Click Menu

If you have **Minimize to System Tray** checked under Options (see [Specifying Options](#)), the Launcher icon appears in the Windows taskbar when you minimize the Launcher main screen. Right-click the Launcher icon () to open a menu from which you can access the tool or launch profiled SMP devices, SCT devices, and Bookmarked websites.

Figure 9: Launcher Menu in Taskbar



Table 5: Taskbar Icon Menu

Selection	What to do
Show Application	Click to open the main screen of the Launcher. Double-clicking the Launcher taskbar icon also opens the Launcher main screen.
SMP	Select to list the profiled SMP devices that you can launch. This list matches the SMP profiles defined in the Launcher. Click an SMP profile to launch that device.
SCT	Select to list the profiled SCT devices that you can launch. This list matches the SCT profiles defined in the Launcher. Click an SCT profile to launch that device.
Bookmarks	Select to list the profiled Bookmarked websites that you can launch. This list matches the Bookmark profiles defined in the Launcher. Click a Bookmark profile to launch the web browser and route you to the bookmarked web page.
Exit	Click to close the Launcher application and clear the Launcher icon from the taskbar.

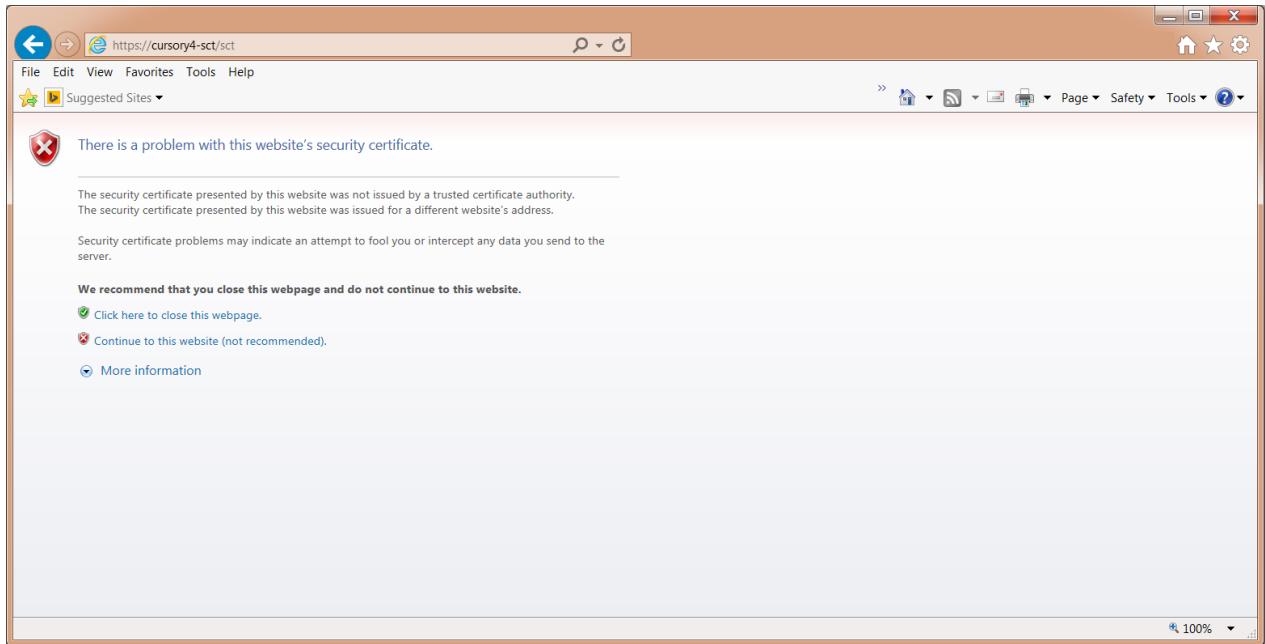
Exiting the Launcher

Click the X icon () located in the upper-right corner of the Launcher main screen. If the Launcher is minimized, right-click the Launcher icon () on the Windows taskbar and select **Exit**.

Locating Certificate Names

1. Using your web browser, type the website address for the *Metasys* device you want to access (for example <https://<host name>/metasys> or <https://<IP address>/sct>). The Website Security Certificate web page appears.

Figure 10: Website Security Certificate Web Page



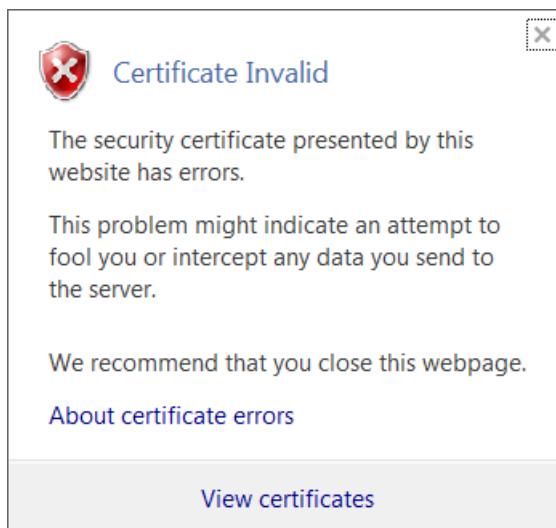
2. Click **Continue to this website (not recommended)**. The web browser turns red, and the web page displays a Certificate error.

Figure 11: Certificate Error Browser



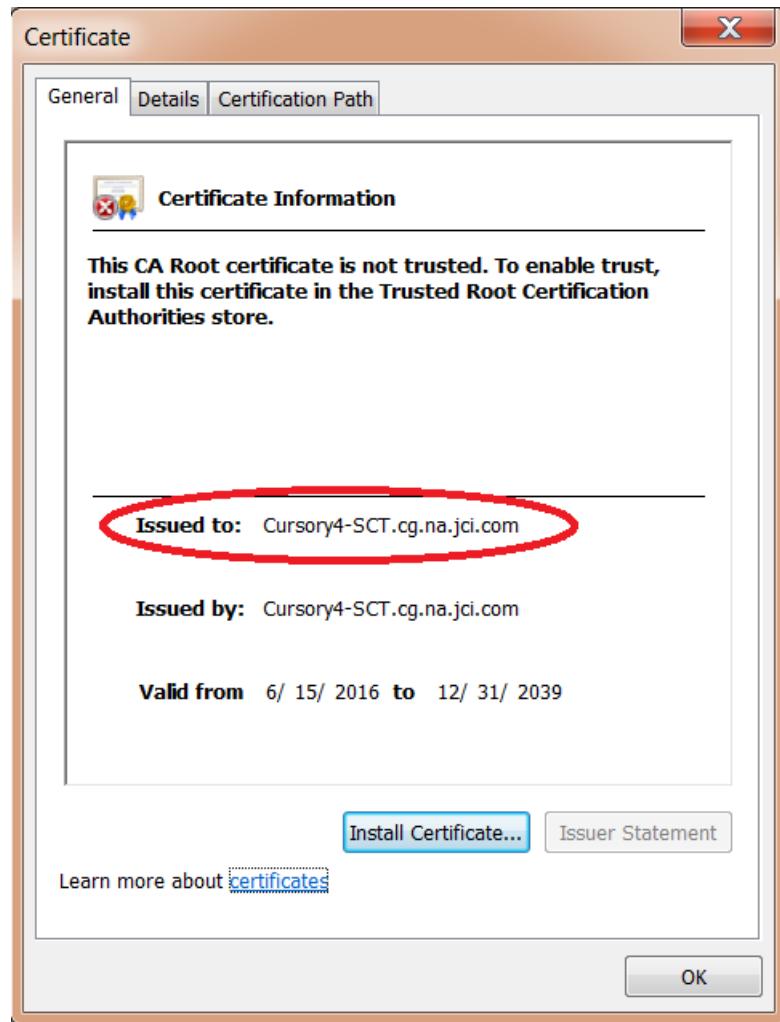
3. Click **Certificate error** in the right-hand corner of the web browser. The Certificate Invalid screen appears.

Figure 12: Certificate Invalid Screen



4. Click **View certificates**. The Certificate screen appears and displays the certificate information specific to the device. The Issued to: section lists the certificate name for the device.

Figure 13: Certificate Screen



5. Locate the Issued to: section to determine certificate name for the device. Follow the instructions in [Adding a New SMP or SCT Device Profile](#) to use the certificate name to add your device with Launcher.

Launcher Related Documentation

[Table 6](#) references literature related to the Launcher.

Table 6: Launcher Related Documentation

For Information On	See Document
Installing the Launcher	<i>Launcher Installation Instructions (LIT-12011783)</i>
Metasys System Components	<i>Metasys® System Product Bulletin (LIT-1201526)</i>
Installing the ADS or ADX	<i>Metasys® Server Installation and Upgrade Instructions Wizard (LIT-12012162)</i>
Installing the ADS-Lite	<i>Metasys® Server Lite Installation and Upgrade Instructions Wizard (LIT-12012258)</i>
Installing the ODS	<i>ODS Installation and Upgrade Instructions Wizard (LIT-12011945)</i>
Installing SCT	<i>SCT Installation and Upgrade Instructions (LIT-12012067)</i>

Troubleshooting

Use [Table 7](#) to troubleshoot the Launcher.

Table 7: Launcher Troubleshooting

Problem or User Message	Condition/Solution
An incorrect desktop shortcut for SMP or SCT is created. For example, you click Create Shortcut for SMP, but an SCT shortcut is created on the computer desktop instead.	Delete the incorrect shortcut from your computer desktop. Specify unique descriptions for the SMP and SCT shortcuts. Save the changes. Correct desktop shortcuts are created.
The Launcher does not open the login screen for the ADS/ADX and may not indicate any error message.	Your user account does not have access permission to the wwwroot directory of the ADS/ADX computer. Use the Single Site Connection method for logging in to the ADS/ADS. For details, refer to the <i>Downloading and Installing the Launcher: Single Site Connection</i> section in the <i>Launcher Installation Instructions (LIT-12011783)</i> .
Application(s) already in list.	The Launcher cannot add this device because the device has a profile already defined. If you want to edit the profile, select the profile and click Edit .
Application(s) not found.	The Launcher cannot reach the Metasys device on the network that has the specified IP address or host name. Try pinging the device to verify it is currently online.
Communication failed. <Host Name or Address> is unavailable for <Host Type>.	Communication to the SMP or SCT device cannot be established or has been lost. Verify that the device is online and is accessible from your computer.
A shortcut with this name already exists, do you want to replace it?	A shortcut for this profile already exists on your computer desktop. Click OK to replace the shortcut or click Cancel to retain the shortcut.
The profile did not save.	The profile did not save correctly. Try again.
Communication failed "<Host Name or IP address>" is unavailable for <SMP or SCT>. Check network connections. Check proxy settings in Options.	The Launcher could not reach the SMP or SCT host. Verify that the proxy settings under the Options dialog box are correct. See Specifying Options . The Launcher uses the same Proxy Host settings for all SMP and SCT hosts defined under the Profile list. If the Profile list consists of systems at different building sites that use proxy servers, you need to modify or verify the proxy setting before connecting to each site.
Could not create Java Virtual Machine	The memory configuration requires a different setting. Click the Options icon on the Launcher screen and change the Default Memory Configuration from High to Medium.
This site requires an upgrade to Launcher in order to launch.	Upgrade your Launcher Installer to the required version specified in the pop-up message at http://www.johnsoncontrols.com/launcher .
Launcher 1.4 is installed and the Launcher application does not open.	Right-click the application and select Run as administrator . For customers using a single-access computer that is shared between multiple user accounts, you must complete the following steps to rewrite your preferences and permission files. <ol style="list-style-type: none">1. Upgrade to the latest version of Launcher.2. Open Launcher.3. Click Edit and click Save.4. Open the Options window and click Save.5. Verify that all user accounts on the computer can launch the Launcher application. Note: We recommend that customers using a single-access computer that is shared between multiple user accounts exit the Launcher application after each user's session. If the application is not shut down, Launcher prevents future user sessions for other accounts.



Building Efficiency

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