

CCT Installation Instructions

Code No. LIT-12011529
Software Release 10.3
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Summary of Changes

The following information is new or revised at this release:

- A streamlined one-click installer that provides a faster and more convenient method for tool installation. See the [CCT Software One-Click Installation](#) section.
- You need to uninstall prior versions of CCT in order to use the Metasys Controller Configuration Tool to install CCT 10.3. See the [Uninstalling CCT Release 10.2 or Earlier Software](#) section.
- Support for Standard and Express versions of Microsoft SQL Server® 2016 with SP1 and Windows Server® 2016. See the [Supported Operating Systems](#) section.

Document Introduction

Use this document to install or upgrade Controller Configuration Tool (CCT) software using the CCT product media.

You can order CCT media by using the new part number (MS-CCT-0) to update any of a site's computers.

Note: For users with CCT software at Release 10.2 or earlier, you must first uninstall the previous version and install 10.3.

If you want to work with controller application files (CAFs) created with an earlier release of CCT, CCT Release 10.3 provides an option to switch release modes within the UI. You can work within and change modes of any Release 10.x version. Refer to the *User Interface* section within the *Controller Tool Help (LIT-12011147)* for procedures. For releases prior to 10.0, see the procedures in [Troubleshooting](#) to perform a clean installation.

CCT Documentation

[Table 1](#) lists documents related to CCT.

Table 1: CCT Documentation

For Information On	See Document
Using the <i>Metasys®</i> System Site Management Portal	<i>Metasys® SMP Help (LIT-1201793)</i>
Using the CCT Software	<i>Controller Tool Help (LIT-12011147)</i>
Features of CCT	<i>Controller Configuration Tool (CCT) Catalog Page (LIT-1900386)</i>
Strategies for Replacing Legacy N2 Controllers	<i>Modernization Guide for N2 Controllers - Metasys (LIT-12012005)</i>

Controller Tool Help

The *Controller Tool Help (LIT-12011147)* is the user's guide to the CCT. Use the Tool to configure, simulate, and commission a controller, such as a Field Equipment Controller (FEC), an Advanced Application Field Equipment Controller (FAC), an NCE, an Input/Output Module (IOM), or a VAV Modular Assembly (VMA) 16 on a Master-Slave/Token-Passing (MS/TP) bus.

For N2 compatible controllers, the Help provides guidance on communication switching, N2 point mapping, and N2 modules.

Supported Operating Systems

The following operating system and SQL Server configurations are supported for CCT.

Table 2: Operating System and SQL Server Configuration

Operating System	SQL Server Version
Windows® 10 Pro and Windows 10 Enterprise Editions with Anniversary Update (version 1607) (64-bit)	Microsoft® SQL Server® 2016 Express with SP1 (64-bit)
	Microsoft SQL Server 2014 Express with SP2 (64-bit)
	Microsoft SQL Server 2012 Express with SP3 (64-bit)
	Microsoft SQL Server 2016 Standard with SP1 (64-bit)
	Microsoft SQL Server 2014 Standard with SP2 (64-bit)
	Microsoft SQL Server 2012 Standard with SP3 (64-bit)
Windows 8.1 Pro or Windows 8.1 Enterprise (64-bit)	Microsoft SQL Server 2016 Express with SP1 (64-bit)
	Microsoft SQL Server 2014 Express with SP2 (64-bit)
	Microsoft SQL Server 2012 Express with SP3 (64-bit)
	Microsoft SQL Server 2016 Standard with SP1 (64-bit)
	Microsoft SQL Server 2014 Standard with SP2 (64-bit)
	Microsoft SQL Server 2012 Standard with SP3 (64-bit)
Windows 8.1 Pro or Windows 8.1 Enterprise (32-bit)	Microsoft SQL Server 2016 Express with SP1 (32-bit)
	Microsoft SQL Server 2014 Express with SP2 (32-bit)
	Microsoft SQL Server 2012 Express with SP3 (32-bit)
	Microsoft SQL Server 2016 Standard with SP1 (32-bit)
	Microsoft SQL Server 2014 Standard with SP2 (32-bit)
	Microsoft SQL Server 2012 Standard with SP3 (32-bit)
Windows 7 SP1 (64-bit)	Microsoft SQL Server 2014 Express with SP2 (64-bit)
	Microsoft SQL Server 2012 Express with SP3 (64-bit)
	Microsoft SQL Server 2014 Standard with SP2 (64-bit)
	Microsoft SQL Server 2012 Standard with SP3 (64-bit)
Windows 7 SP1 (32-bit)	Microsoft SQL Server 2014 Express with SP2 (32-bit)
	Microsoft SQL Server 2012 Express with SP3 (32-bit)
	Microsoft SQL Server 2014 Standard with SP2 (32-bit)
	Microsoft SQL Server 2012 Standard with SP3 (32-bit)

1 Microsoft SQL Server 2008 Express R2 is **not** supported, but the software is still compatible with Release 10.3 CCT.

Windows 10 Pro and Windows 10 Enterprise (64-bit)

- .NET Framework Version 4.6.1
- Windows Internet Explorer® 11 or Microsoft Edge® (required for Controller Tool Help)
- Adobe® Reader® (required for printing in CCT)

Windows 8.1 Pro and Windows 8.1 Enterprise (32- or 64-bit)

- .NET Framework Version 4.6.1
- Windows Internet Explorer 11 (required for Controller Tool Help)
- Adobe Reader (required for printing in CCT)

Windows 7 Professional, Enterprise, and Ultimate Editions (32- or 64-bit)

- Service Pack 1 (SP1)
- .NET Framework Version 4.6.1
- Windows Internet Explorer 11 (required for Controller Tool Help)
- Adobe Reader (required for printing in CCT)

Upgrading the CCT Software

Notes:

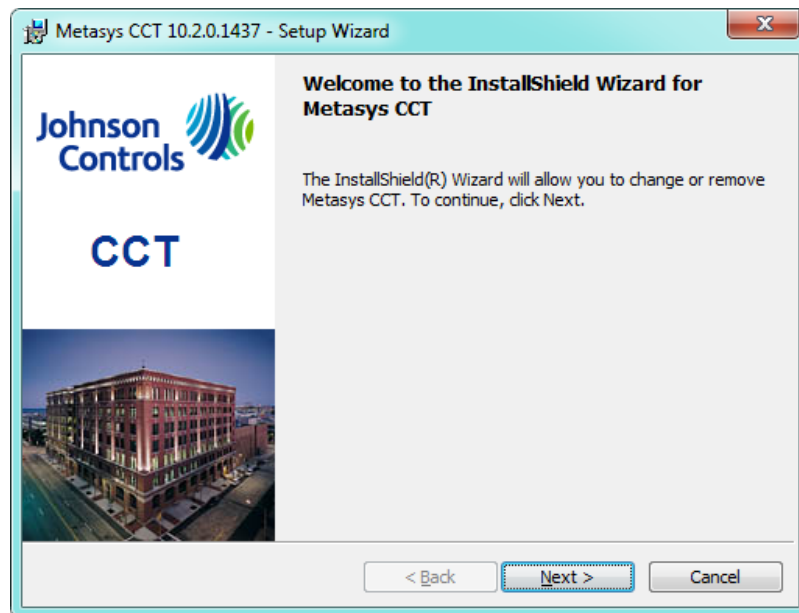
- If you have a version of CCT prior to 10.3 installed on your computer, you must uninstall the software before you install 10.3 and upgrade.
- If you want to work with controller application files (CAFs) created with an earlier release of CCT, CCT Release 10.3 provides an option to switch release modes within the UI. You can work within and change modes of any Release 10.x version. Refer to the *User Interface* section within the *Controller Tool Help (LIT-12011147)* for procedures. For releases prior to 10.0, see the procedures in [Troubleshooting](#) to perform a clean installation.

Uninstalling CCT Release 10.2 or Earlier Software

Perform these steps before installing/upgrading your software to Release 10.3.

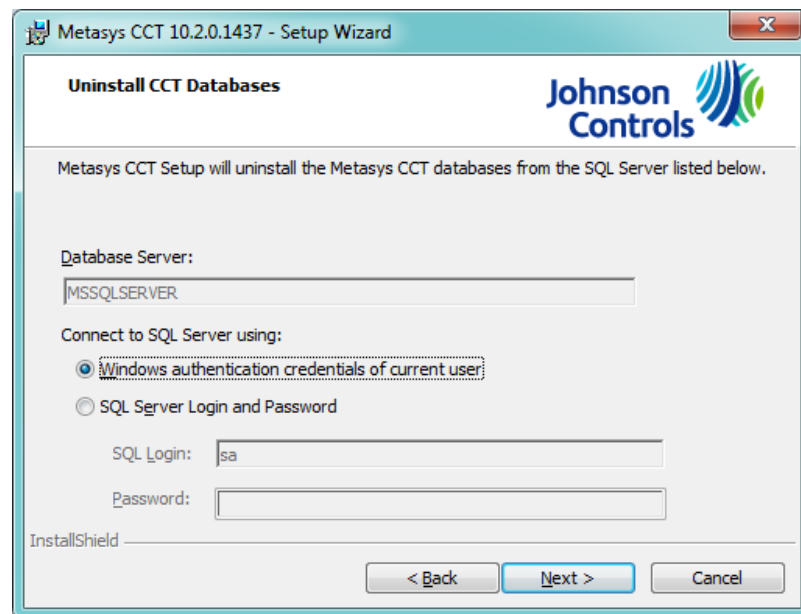
1. On the Start menu, click **Control Panel**. The Control Panel appears.
2. Click **Programs and Features**. The Programs and Features window appears.
3. In the list of programs, right-click **Metasys CCT 10.2** and click **Uninstall**. The Welcome window appears.

Figure 1: Metasys CCT InstallShield Wizard Welcome Window



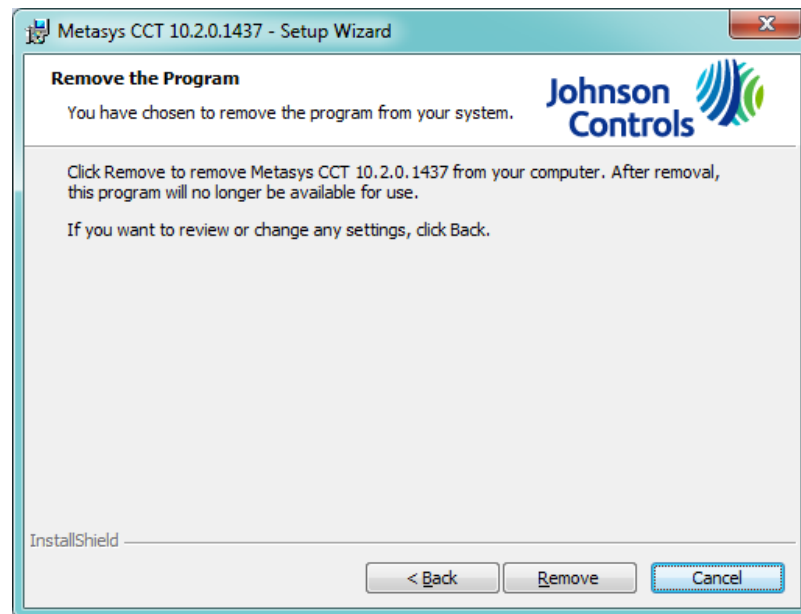
4. Click **Next**. The Uninstall CCT Databases window appears.

Figure 2: Uninstall CCT Databases



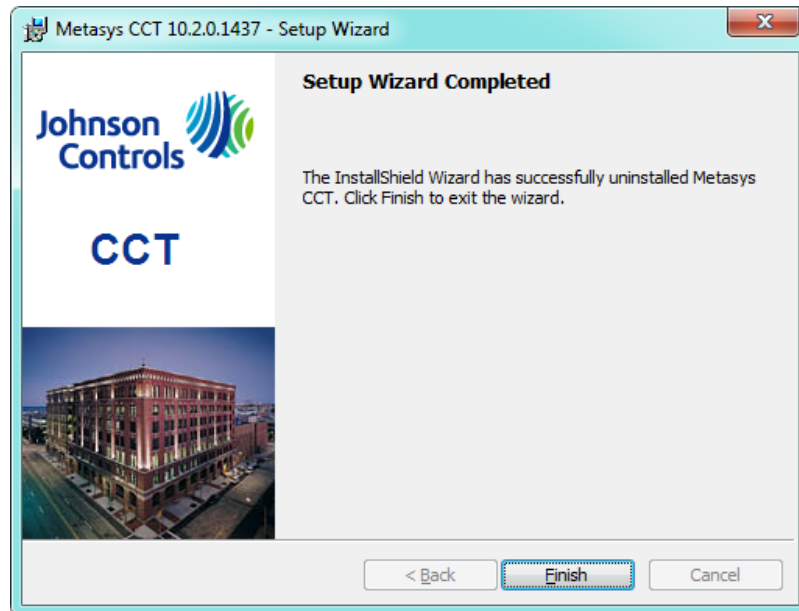
5. Click **Next**. The Remove the Program window appears.

Figure 3: Remove the Program Window



6. Click **Remove**. The Setup Wizard uninstalls the program. When finished, the Setup Wizard Completed window appears.

Figure 4: Uninstallation Completed

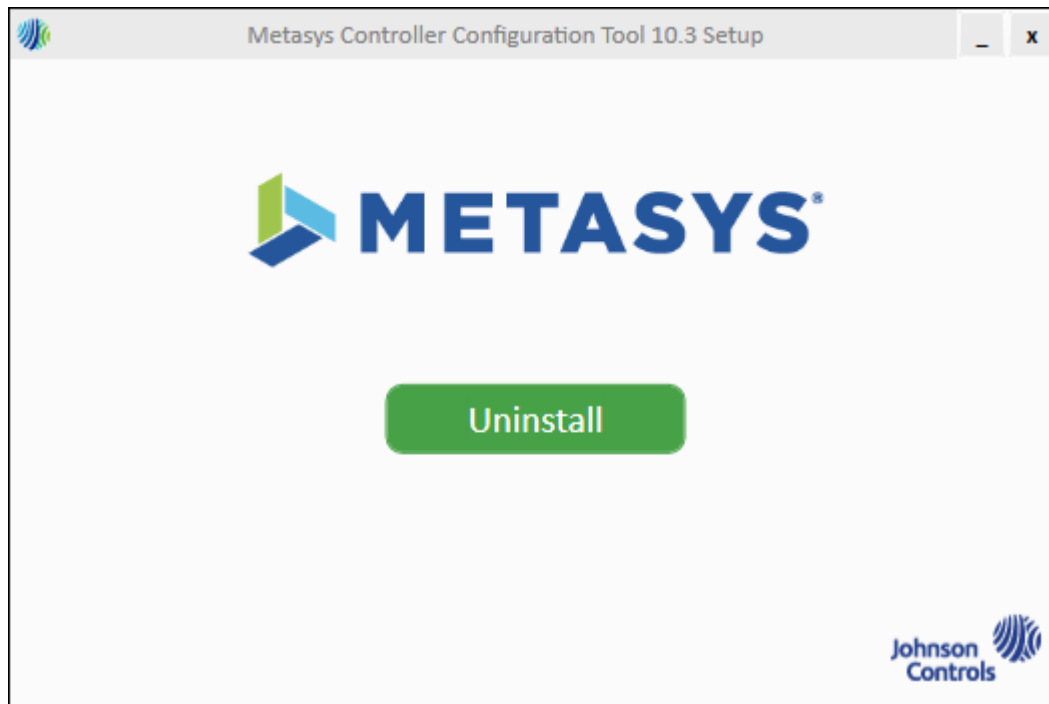


7. Click **Finish**. At the prompt to restart your computer, choose to restart now or later.
8. Go to [CCT Custom Installation](#).

Uninstalling CCT Release 10.3 Software

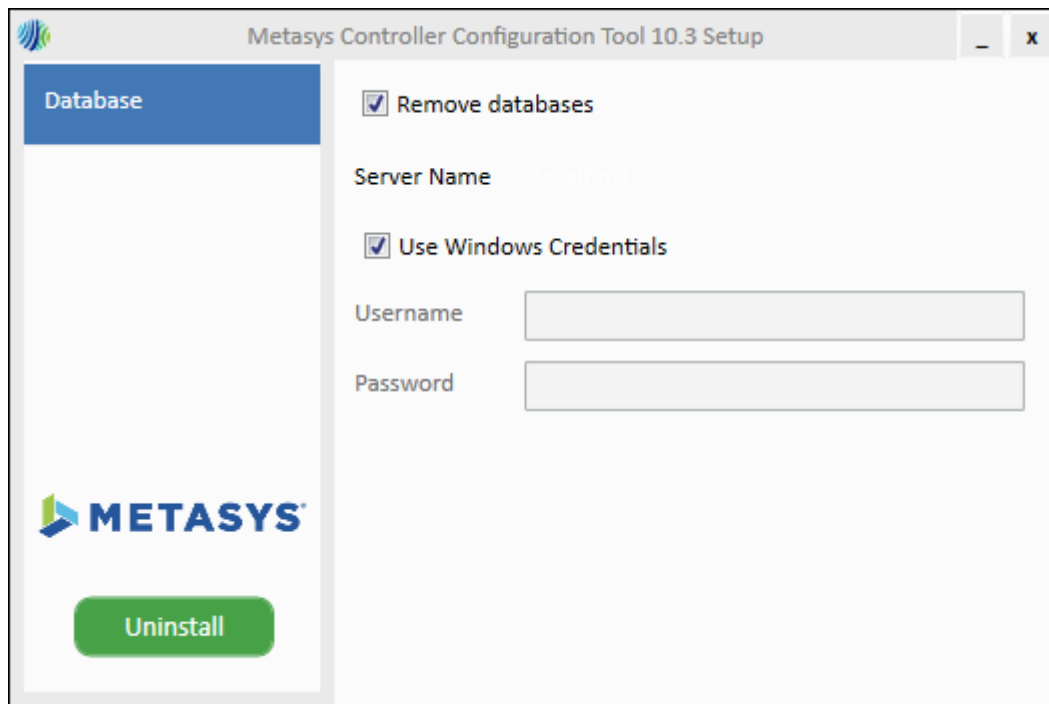
1. On the Start menu, click **Control Panel**. The Control Panel appears.
2. Click **Programs and Features**. The Programs and Features window appears.
3. In the list of programs, right-click **Metasys Controller Configuration Tool 10.3** and click **Uninstall**. The *Metasys Controller Configuration Tool 10.3 Setup* window appears.

Figure 5: Metasys Controller Configuration Tool 10.3 Setup Window



4. Click **Uninstall**. The Uninstall CCT Databases window appears.

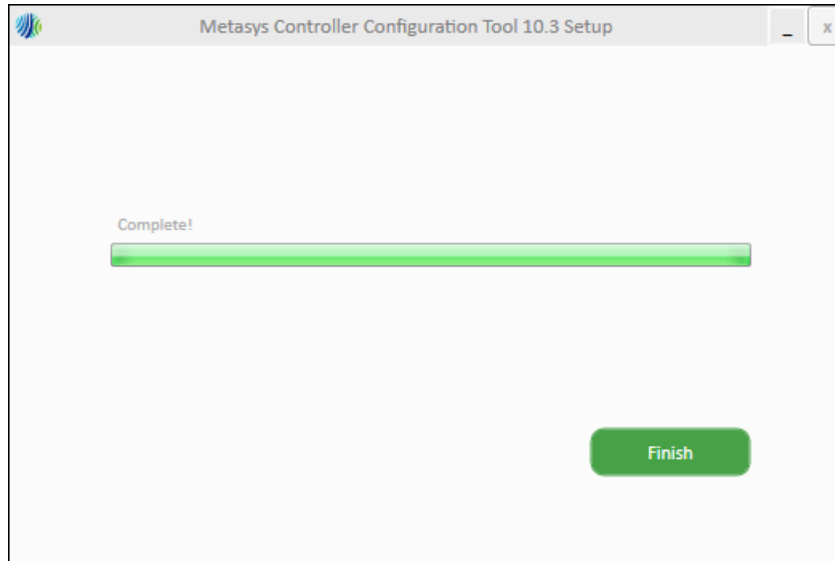
Figure 6: Uninstall CCT Databases Window



Note: The **Remove databases** checkbox is selected by default. If SQL Server is already uninstalled or the user account information is unknown, remove the selection of the **Remove databases** checkbox.

5. Login in to your SQL Server. To log in to your SQL Server with Windows Credentials keep the **Use Windows Credentials** checkbox selected. To log in to your SQL Server using SQL Server authentication, remove selection of the **Use Windows Credentials** check box and enter the username and password.
6. Click **Uninstall**. The Uninstall Program Progress window appears.
7. Click **Finish** when the Uninstallation Complete window appears.

Figure 7: Uninstall Complete Window



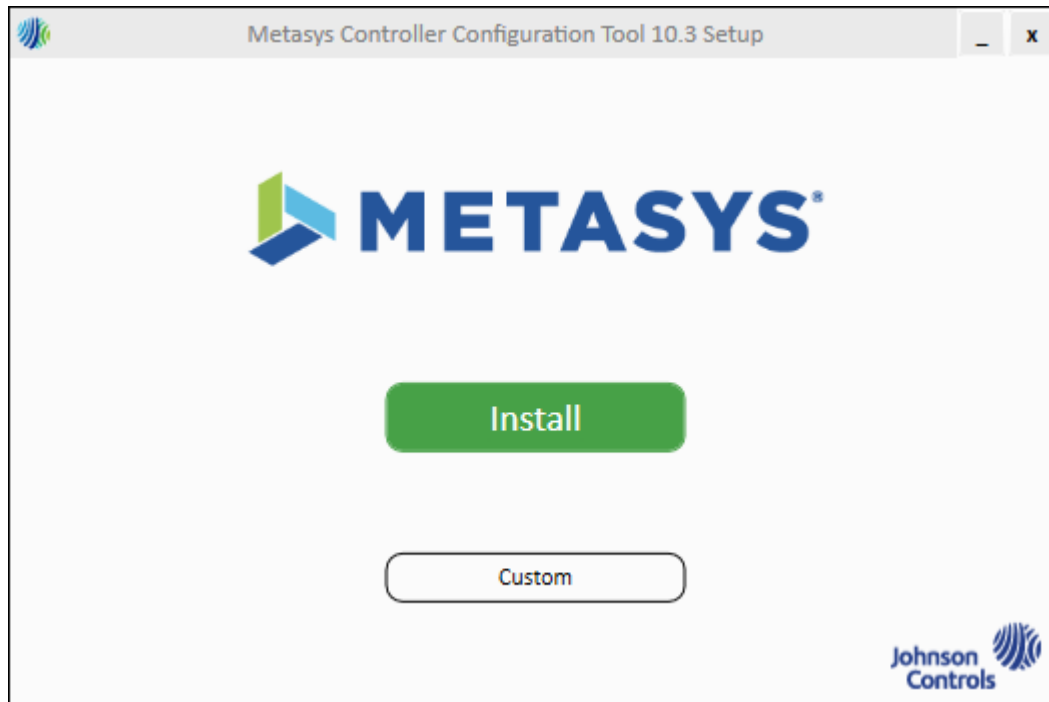
Installing the CCT Software

CCT Software One-Click Installation

Note: The one-click installation is available on computers with Windows 7, Windows 8.1, or Windows 10 and when SQL Server is not already installed. If you already have SQL Server installed or want to follow the Custom installation option, see the [CCT Custom Installation](#) section.

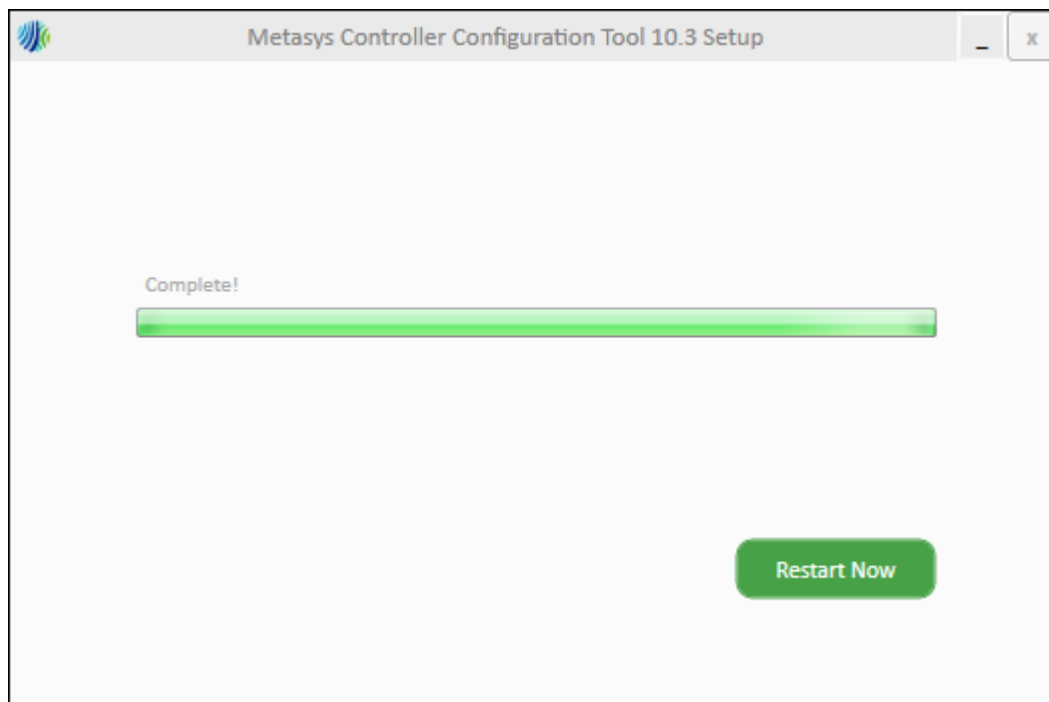
1. Insert the CCT product disc.
2. In Windows® File Explorer, browse to the CCT folder.
3. Double-click the **MetasysControllerConfigurationTool_10.3.exe** file. The *Metasys* Controller Configuration Tool 10.3 Setup window appears.

Figure 8: Metasys Controller Configuration Tool 10.3 Setup Window



4. Click **Install**. All prerequisite software for CCT is installed first, then the CCT software is installed. The Install Program Progress window appears.
5. Click **Restart Now** when the **Complete!** status appears.

Figure 9: Installation Complete Window

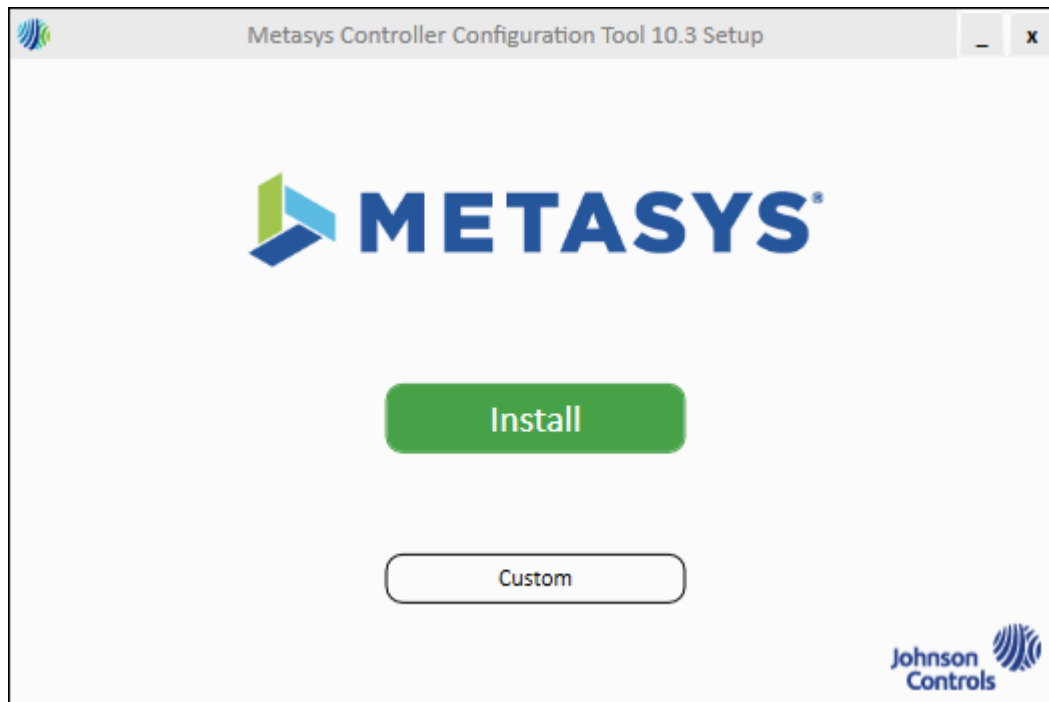


6. When you run CCT for the first time, you are prompted to choose a Release Mode. For information on choosing a Release Mode, refer to the *Release Modes* section of the *Controller Tool Help (LIT-12011147)*.

CCT Custom Installation

1. Insert the CCT product disc.
2. In Windows File Explorer, browse to the CCT folder.
3. Double-click the **MetasysControllerConfigurationTool_10.3.exe** file. The *Metasys Controller Configuration Tool 10.3 Setup* window appears.

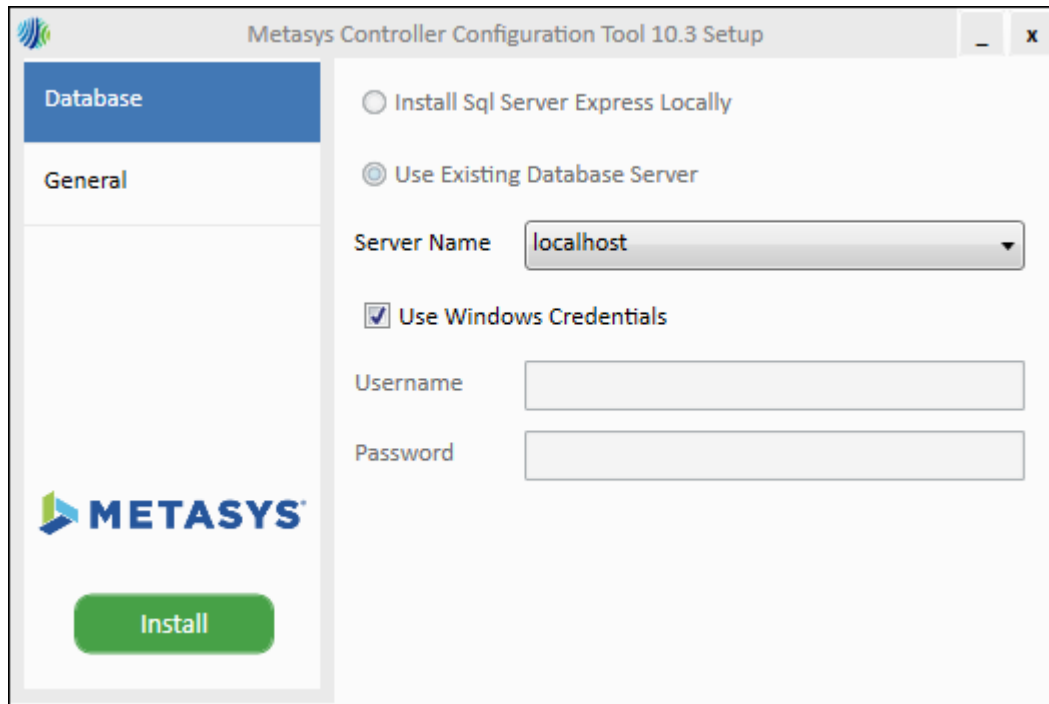
Figure 10: Metasys Controller Configuration Tool 10.3 Setup Window



4. Click **Custom**. The SQL Server Selection window appears from the Database tab.

Note: Users with SQL Server installed prior to this installation are also able to access the SQL Server Selection window by clicking **Install**.

Figure 11: SQL Server Selection Window



5. Select the **Install SQL Server Express Locally** or **Use Existing Database Server** options to set up your SQL server preferences, then select one of the following SQL login authentication options:

- **Windows authentication credentials of current user**

Select this option to log in to the SQL Server software by using the Windows operating system credentials of the current Windows user.

To use this option, the current Windows user must have SQL Server Administrator rights on the SQL Server. If the user does not have these rights, do not select this option.

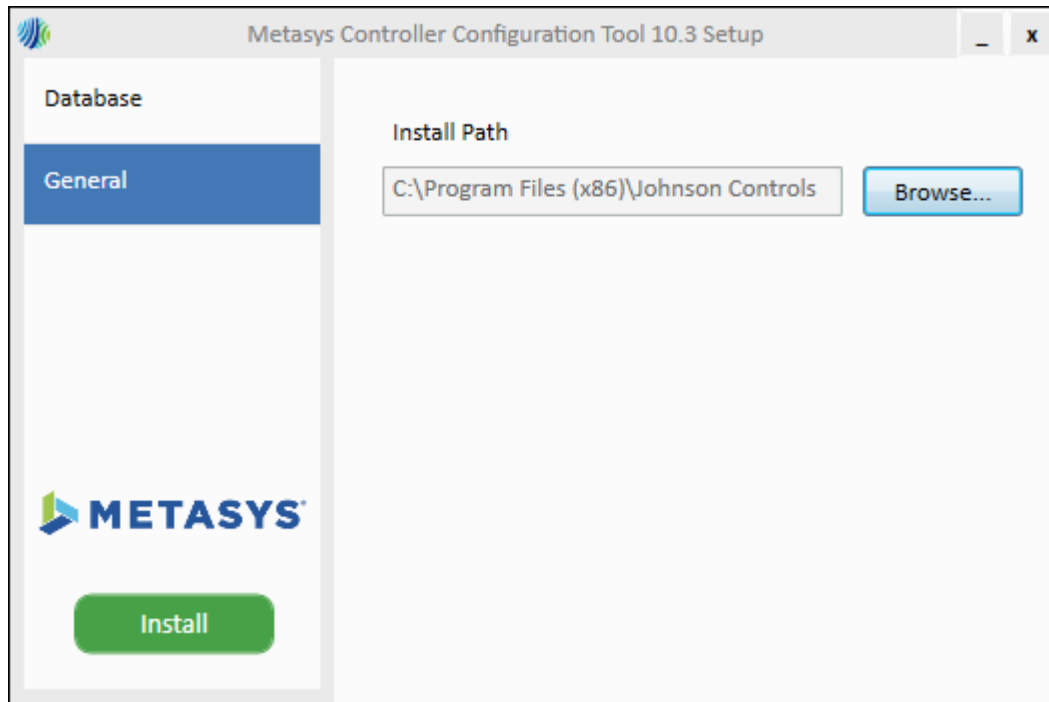
- **SQL Server Login and Password**

Select this option and fill in the SQL Username and Password fields to use SQL Server authentication to access SQL Server software during the installation. In the SQL Username field, enter a valid server administrator (SA) user name for the SQL Server software on the computer. In the Password field, enter the matching password.

Note: When you install CCT on a computer running SQL Server, the startup type of the SQL Server Browser service must be set to Automatic. The SQL Server Browser service must be running when you start CCT.

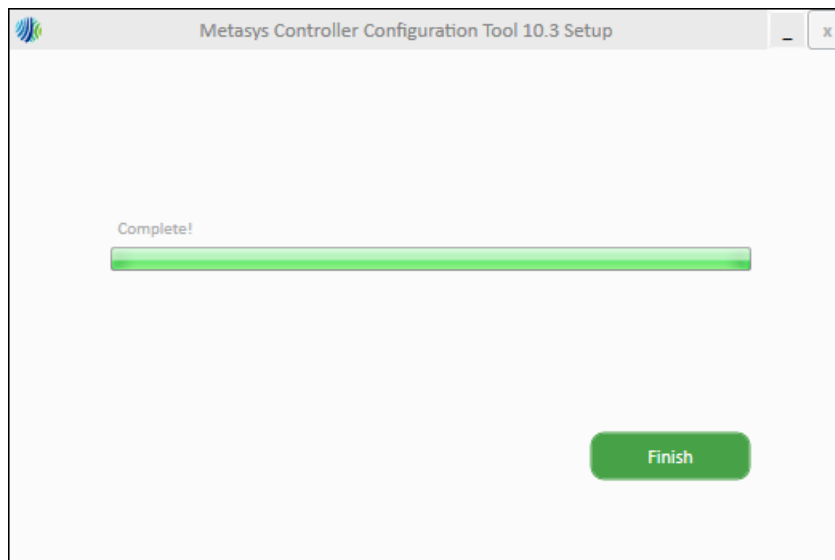
6. Click the **General** tab. The Destination Folder window appears.

Figure 12: Destination Folder Window



7. To install CCT in the specified destination folder, click **Install**. If you want to install CCT in a different location, click **Browse**, select the location, and then click **Install**. The Install Program Progress window appears.
8. Click **Finish** when the Installation Complete window appears.

Figure 13: Installation Complete Window



When you run CCT for the first time, you are prompted to choose a Release Mode. For information on choosing a Release Mode, refer to the *Release Modes* section of the *Controller Tool Help (LIT-12011147)*.

Troubleshooting

Problem	Solution
CCT does not function properly when you downgrade to an earlier version (for example, you uninstall Release 10.1 and install Release 10.0).	Controller Tool Release 10.2 and later provide an option to switch release modes within the UI. You can work within and change modes of any Release 10.x version. For earlier releases, follow these procedures to complete a clean installation: 1. Uninstall the current version of CCT. 2. Back up the data found in the CCT folder: • C:\ProgramData\Johnson Controls\MetasysIII\ 3. Delete the CCT folder from the following locations: • C:\Program Files (x86)\Johnson Controls\ • C:\ProgramData\Johnson Controls\MetasysIII\ 4. Back up the data found in the DataAccess folder: • C:\ProgramData\Johnson Controls\MetasysIII\ 5. Delete the DataAccess folder from the following location: • C:\ProgramData\Johnson Controls\MetasysIII\ 6. Install the earlier version of CCT. 7. Restart your computer.
The following error message appears: Setup could not find the WMI service called 'winmgmt' on this PC. Setup will not continue.	Use a Windows user account with Administrator privileges to install the software.



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