

ControlPoint

Installation Guide for SharePoint 2007

April 16, 2018

Copyright

© Metalogix International GmbH., 2008-2018
All rights reserved. No part or section of the contents of this material may be reproduced or transmitted in any form or by any means without the written permission of Metalogix International GmbH.

ControlPoint™ is a trademark of Metalogix International GmbH.

Windows SharePoint Services is either a registered trademark or a trademark of Microsoft Corporation in the United States and/or other countries. Other product and company names mentioned herein may be the trademarks of their respective owners.

Technical Support

For information about Metalogix Technical support visit http://metalogix.com/support.

Technical support specialists can be reached by phone at +1-202-609-9100. The level of technical support provided depends upon the support package that you have purchased. Contact us to discuss your support requirements.

Contents

Preface **4**

System Requirements **5**

Installation and Service Account Requirements 5

Compatible Browsers 6

Using ControlPoint to Manage Multiple Farms **7**

First Time Installation and Configuration **9**

Installing and Deploying ControlPoint 11

Activating ControlPoint 20

Activating your ControlPoint License 21

Activating Your License Online 22

Activating Your License Without Internet Access 24

Recording Your ControlPoint License 27

Activating ControlPoint for Additional Farms in a Multi-Farm Installation 27

Configuring the ControlPoint Application Environment 28

Configuring ControlPoint for Additional Web Front-End Servers 29

Additional ControlPoint Management Tasks 30

Launching ControlPoint 30

Moving ControlPoint to A Different Web Front-End Server 33

Upgrading from a Previous Version of ControlPoint **34**

Updating Your ControlPoint License After a Software Upgrade or Maintenance Release 35

Removing (Uninstalling) ControlPoint **38**

ControlPoint Log Files 40

Installation Log (xcControlPoint.log) 40

Licensing and Activation Log File (xcClient.log) 40

Preface

This guide contains instructions for installing Metalogix ControlPoint, a Web-based application that offers a proactive, integrated solution for managing site collections within one or more SharePoint farms, specifically for SharePoint 2007.

Details for installing ControlPoint in a SharePoint 2010 or later farm environment are covered in a separate document, the *ControlPoint Advanced Installation Guide*.

System Requirements

- **Windows Server** 2003 or 2008 (32- or 64-bit), with IIS activated

NOTE: If you have more than one Web front-end server in your farm, you should install ControlPoint on the machine on which you want the most resource-intensive ControlPoint processes to be run. *If you are installing ControlPoint on Windows Server 2008 with UAC enabled you MUST run the installer using the "Run as administrator" option.*

- **SharePoint 2007** web front-end configured to use SQL or SQL Express, with:
  - **WSS 3.0** (at a minimum), and
  - **MOSS**, which is optional for running ControlPoint, but required if you want to be able to run fully functional ControlPoint Activity analyses.

NOTE: To run fully functional ControlPoint Activity analyses in a MOSS environment, usage reporting must be activated by enabling Usage Analysis from the Central Administration > Operations page AND by enabling Usage Analysis from the Shared Services Administration site.

- **Microsoft SQL Server** (or SQL Express) 2005 or 2008 (32- or 64-bit):

NOTES:

  - SQL Server 2000 may be used to host the content databases (including the Axceler content database), but 2005, 2008, or 2012 is required to host the ControlPoint Service database.
  - The embedded version of SQL that is installed with a WSS Basic or Standard installation cannot be used because it cannot be accessed by ControlPoint.

NOTE: ControlPoint can use the same SQL Server instance as SharePoint, but it can also use a separate instance or separate server.

- **NET framework version 3.5, Service Pack 1 or higher**

NOTE: For convenience, it is recommended that this be installed before you install ControlPoint. However, if it is not present, the ControlPoint installer will install it.

Additional Considerations for Multi-Farm Installations

In addition, if ControlPoint is to be installed on multiple farms sharing the same ControlPoint Service database, each farm must have sufficient bandwidth to access it.

Installation and Service Account Requirements

- The **account used to** *install* **ControlPoint**:
  - must be a member of the local Administrator's group on the machine where it is installed
  - must be a Farm Administrator, and
  - should be added to the security server role `sysadmin` in:
  - the SQL server(s) used for SharePoint content databases, and

- the SQL server used for the ControlPoint Services database.

  NOTE: If `sysadmin` privileges cannot be granted, you will need to use an account that has the SQL server roles `securityadmin` and `dbcreator`, such as the server farm account (that is, the account under which Central Administration runs). If you do not use an account with `sysadmin` privileges to run the installer, you will be prompted to log in as the server farm account to complete the final step.

- The **account that will be used to *run* ControlPoint** (that is the Axceler Web application's Service Account) must be:
  - a member of the local Administrator's group on all of the Web front-end machines in the farm
  - a Farm Administrator
  - a domain account if any database resides on a different server(s) from the server on which you will be installing ControlPoint

IMPORTANT NOTE: The account used to install ControlPoint and the ControlPoint Service Account must *both* be either local or domain accounts. This is necessary to enable the installer to verify the existence of the execution account. If the server on which you are installing ControlPoint is not your database server (that is, your databases reside on a *different* server), then the Service Account *must* be a domain account.

Compatible Browsers

ControlPoint users must use a compatible **Web browser**:

Microsoft Internet Explorer (IE) version 10 or later, in Compatibility View.

NOTES:

- With IE 10, ControlPoint must also have the 'AutoComplete User names and passwords on forms' option disabled.
- When using Internet Explorer build 11.0.9600.18617, report results do not fill the entire results section.

Using ControlPoint to Manage Multiple Farms

If you want to use ControlPoint to manage multiple farms, a copy of the ControlPoint application must be installed on a Web front-end server in each farm. Each farm has:

- its own Axceler Web application and ControlPoint Configuration site
- its own ControlPoint menus (including any customized menus), and
- its own ControlPoint security model, which determines administrators' access to ControlPoint menu items.

You have the option of installing ControlPoint either:

- as **separate, single-farm installations**, which means that each farm has:
  - its own ControlPoint Service (xcAdmin) databases, and
  - its own ControlPoint license activation code
- as a **multi-farm installation**, which means that farms share:
  - the same ControlPoint Service (xcAdmin) database, which allows ControlPoint users to navigate among and operate on other farms and makes it easier to switch from one farm to another from within the ControlPoint application interface, and
  - a common ControlPoint license activation code.

You can manage farms running different versions of SharePoint in a multi-farm installation. You cannot, however, copy/move site collections, sites, lists, or list items between farms with different SharePoint versions. Metalogix offers a tool that can help you migrate between SharePoint versions. Contact Metalogix for more information.

Factors to Consider When Choosing the Appropriate Installation Type for your SharePoint Environment

The optimal installation type depends on a number of factors, including how your SharePoint environment is configured, the size of your farms, and whether there is connectivity between them.

Single-farm installations are preferable if

- farms are in different domains that do not have a two-way trust relationship
- farms are on different WANs or network segments where bandwidth is limited or connectivity between farms is not maintained
- SQL server resources are limited and scalability of the xcAdmin database is a concern, and/or
- different groups of people are responsible for managing different farms.

If you choose this approach, you will need to bookmark each of the farms if you want to easily switch between them. You will still be able to copy and move sites across farms, but you will have to enter the destination site's url instead of selecting it from a list.

Consider a multi-farm installation if:

- you want to be able to:
  - navigate through and operate on more than one farm using a single application interface
  - run ControlPoint actions and analyses on more than one farm in a single operation, and/or
  - quickly switch between farms from the ControlPoint application interface
- farms are in the same domain or in domains with at least a two-way trust relationship
- farms are on the same WAN or network segment (that is, bandwidth is adequate and connectivity between farms is maintained)
- your SQL server is robust enough that scalability of the xcAdmin database is not an issue
- the same group of people is responsible for managing all farms.

For farms that utilize a common instance of SQL server, you will *need to* perform a multi-farm installation. When installing ControlPoint in this circumstance, be sure to provide a unique name for the content database used by the Axceler Web application for each farm.

You can of course use different installation types to suit the needs of different farms. For example, you may want to use a multi-farm installation for QA and development farms and single farm installations for production farms.

Installation Guidelines

Installation Type	Guidelines

single-farm installations	• Contact Metalogix Technical Support to obtain a license activation code for each additional farm.
	• For each farm, complete the entire single-farm installation process, which includes:
	  ▪ specifying the location where you want to create the ControlPoint Service (xcAdmin) database for the farm, and
	  ▪ activating a separate ControlPoint license for each farm.

a multi-farm installation	Install ControlPoint in the first farm as you would for a single-farm installation, which includes: • specifying the location where you want to create the ControlPoint Service (xcAdmin) database that will be shared by all farms, and • activating your ControlPoint license. For additional farms, perform a complete installation and: • Make sure that you specify **Multi-Farm** as the Installation Type. • When you specify the location of the xcAdmin database, be certain to specify the server on which you created the database for the first farm. • You will not be required to enter a license activation code, as this step is only necessary for the first farm.

First Time Installation and Configuration

Within each farm being managed, Metalogix ControlPoint is installed and runs as a .NET application. Typically, it uses its own Web application (Axceler) which creates its own content database, and it creates a separate Service database (xcAdmin) for configuration information and analysis data. This Service database may be installed either on the same database server as all other SharePoint databases or on a separate server.

NOTE: You can install ControlPoint on any Web front-end server machine in your farm. It is recommended, however, that you install ControlPoint on the machine on which you want to run the most resource-intensive ControlPoint processes. The machine name of the server on which you install ControlPoint is the name that ControlPoint will use by default as the farm name in the ControlPoint application interface. You can, however, change the display name of the farm at a later time. By default, the machine on which you install ControlPoint will be used for background processes such as Discovery and scheduled reports and actions.

If you are upgrading from a previous version of ControlPoint, follow the instructions for Upgrading from a Previous Version of ControlPoint.

Before You Begin

- The machine on which you are installing ControlPoint must meet System Requirements.
- Make sure the machine on which you are installing ControlPoint has access to the Internet, which is necessary to permit activation of your ControlPoint license and to download the .NET framework, if necessary.
- Have the following information ready (you may wish to record it in the spaces provided):
  - The ControlPoint Service Account—that is, the account under which the ControlPoint Web application will run. (This is normally a domain account, but if you are running an evaluation version of the product—and the database is on the same machine as ControlPoint—you may use a local account.)

    Account: _____

    Password: _____
  - The port number that you want the Axceler Web application to use. (The default is 1818, but you can set it to any available value. It is strongly recommended that you *not* install ControlPoint on Port 80, as you may encounter complications during setup. If you are using host headers and want to redirect ControlPoint to a port that is currently in use (including Port 80), you can do so after installing the application.)

    Port Number: _____

    The SharePoint Content Database Server Name: _____

    (This is where the content database for the Axceler Web application will reside.)

- The user ID and (optionally) email address of the primary ControlPoint Application Administrator. (This individual will be set as the initial Site Collection Administrator in the ControlPoint site collection).

  ControlPoint Application Administrator Account Name: _____

- The Name of the SQL server that will host the ControlPoint Service database, as well as the authentication method to be used:

  Database Server Name: _____

  Windows Authentication

  OR

  SQL Server ID _____ **Password** _____

- **The ControlPoint license activation code**: _____

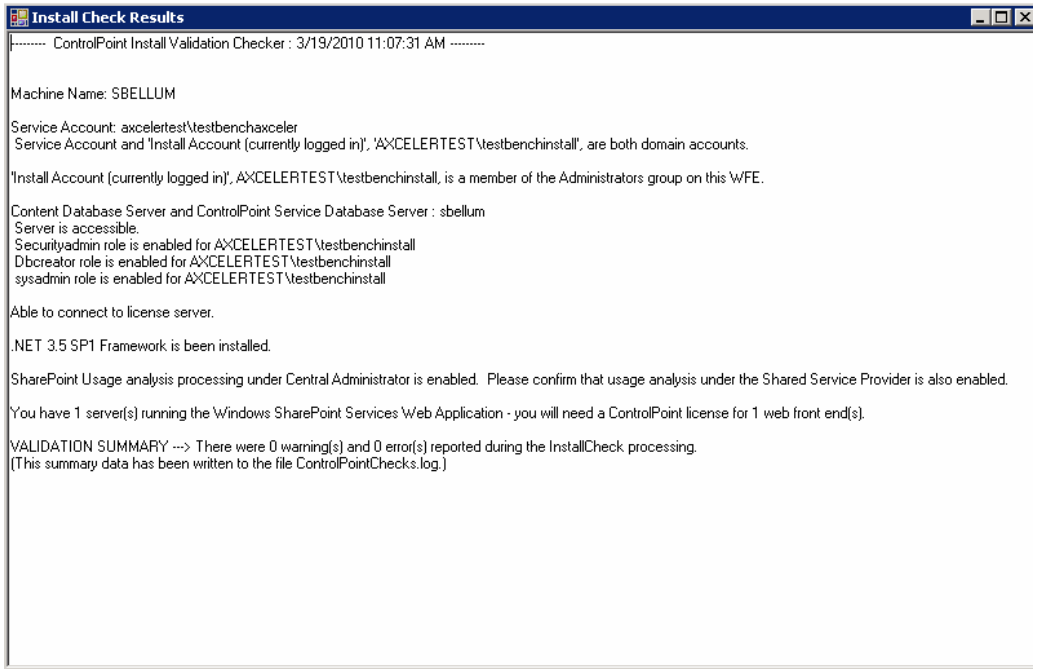
NOTE: If you do not already have a license activation code, contact Metalogix to obtain one.

Performing a Pre-Installation Validation Check

Before installing ControlPoint for the first time, it is strongly recommended that you run the ControlPoint Install Check, which is located in the PreInstall Validation folder in the ControlPoint installation kit. When you run this utility (by double-clicking **ControlPointInstallCheck.exe**), you are prompted to enter the following information:

- Metalogix Service Account name and password
- SharePoint Content Database Server name
- ControlPoint Service Database Server name.

- When you click [**Perform Install Validation**], the utility verifies that key system requirements are met. At the conclusion of the verification check, a summary of results displays.



If any errors are reported in the Validation Summary, you can correct them before attempting to install ControlPoint.

(The install check also runs automatically as part of the installation process. However, by running the utility prior to installation, you may be able to identify and address certain key issues in advance, and thus avoid having to abort an installation in progress.)

First Time Installation and Configuration Process

The ControlPoint first time installation and configuration process consists of the following stages:

1 Installing the ControlPoint application and deploying ControlPoint features.

2 Activating ControlPoint.

3 Configuring the ControlPoint Application Environment.)

NOTE: If you are using ControlPoint to manage multiple farms, you must complete the entire installation and configuration process for each farm.

Installing and Deploying ControlPoint

It is recommended that you temporarily disable virus checkers on all Web front end servers in the farm as they can slow the solution deployment enough to trigger timeout errors.

Summary of the ControlPoint Installation Process

The ControlPoint InstallShield Wizard performs the following tasks:

Install prerequisites (if applicable): If not currently installed on the system, installs (or prompts you to install) the appropriate version of the .NET Framework.

> REMINDER: If the machine on which you are installing ControlPoint does not have Internet access, you can install the .NET Framework by downloading and installing the full package, which is accessible via the Metalogix website. For more detail, see "Before You Begin" earlier in this section.

Create ControlPoint Service database: Creates the ControlPoint Service database (xcAdmin) on the selected database server. This database is where administrative information and cached data used for analysis and reporting is collected. (Note that in a multi-farm installation, this database is shared among farms.)

Create Axceler Web Application: Installs the Axceler Web application within SharePoint, which includes the creation of a content database for the Web application

Create ControlPoint site collection: Creates the site collection called ControlPoint Configuration Site within the Axceler Web application, and assigns an initial Site Collection Administrator.

Deploy a SharePoint Solution: Installs the ControlPoint application features, which includes:

- installation of ControlPoint menus and the ControlPoint Settings list into the ControlPoint Configuration Site, and
- creation of the IIS Virtual Directory on the Web front-end server.

NOTE: As is the case with other SharePoint Solution deployments, upon completion all running application pools will be recycled.

To install the ControlPoint application:

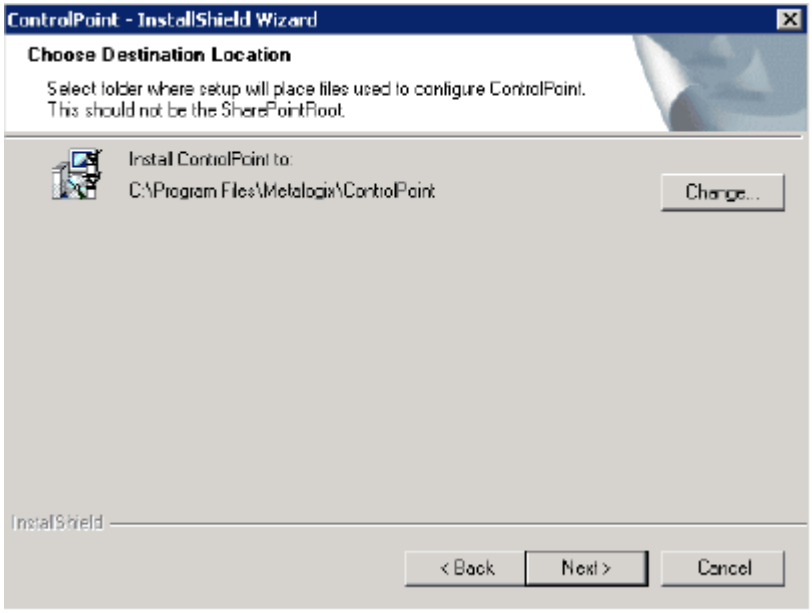
REMINDER: If you are installing ControlPoint on a Windows 2008 server with UAC enabled, you must "Run as Administrator."

1 Unzip the downloaded zip file then launch the installer (**setup.exe**).
A splash screen displays, followed by the InstallShield Wizard Welcome dialog.

2 Click [**Next**] to display the **License Agreement** dialog.

3 Read the license agreement. Select **I accept the terms of this license agreement**.

4 Click [**Next**] to display the **Choose Destination Location** dialog.

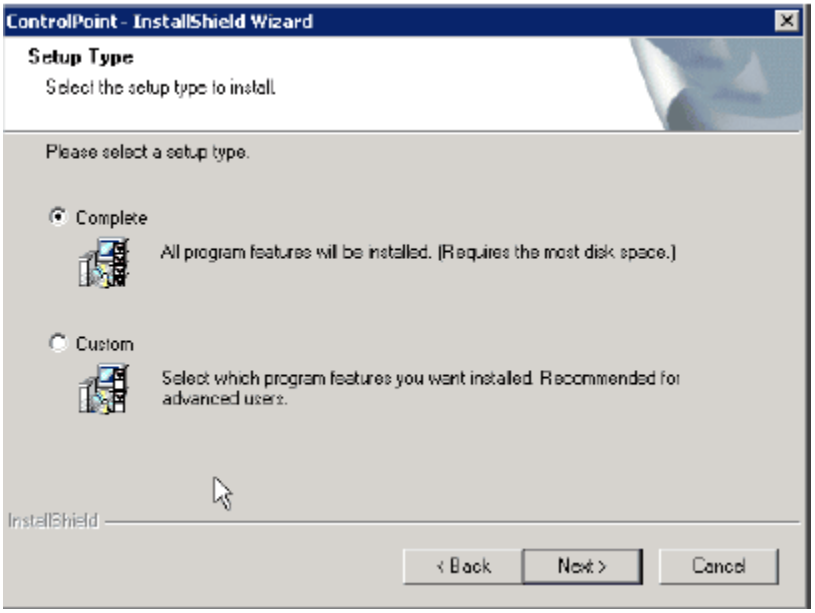


The InstallShield Wizard specifies a default install directory (**C:\Program Files\Metalogix\ControlPoint**), but you can click [**Change**] and select a different one.

NOTE: This directory is where the installer will place the files needed to complete the installation. If you choose to change the default directory, you should *not* use the SharePoint hive.

5 Click [**Next**] to display the **Setup Type** dialog.

6 For **Setup Type**, accept the default option (**Complete**).



7 Click [**Next**] to display the **Installation Type** dialog.

8 Select the appropriate option:

- **Single Farm Install** (you may also choose this option for the *first* farm in a multi-farm installation)

OR

- **Multi Farm Install**.

9 Click [**Next**] to display the first **Create the Axceler SharePoint Web Application** dialog.

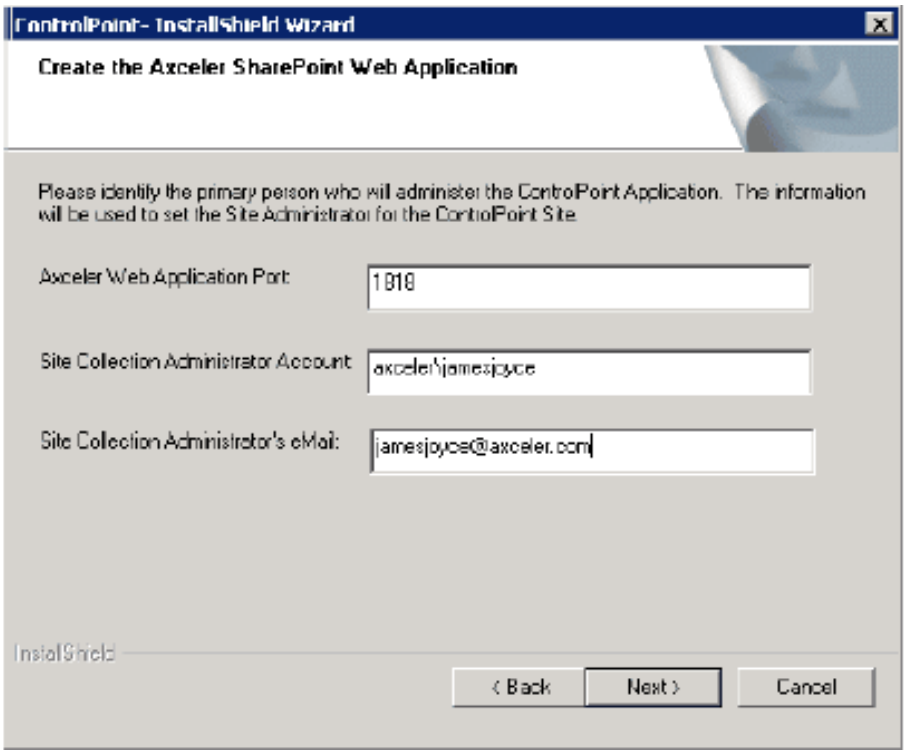
10 For **Axceler Web Application Port Number**, either

- accept the default value (1818)

OR

- enter a different, unused Port number. (It is strongly recommended that you *not* install ControlPoint on Port 80, as you will encounter complications during setup. If you are using host headers and want to redirect ControlPoint to a port that is currently in use (including Port 80), you can do so after completing the installation using the method for Setting Up Host Headers described in refer to *The ControlPoint Administration Guide*.

11 For **Site Collection Administrator Account**, enter the user ID and (optionally) the email address of the initial ControlPoint Application Administrator. (This individual will be set as the first site collection administrator in the ControlPoint Configuration site collection.)



12 Click **[Next]**.

13 Complete the Content Database dialog with the following information:

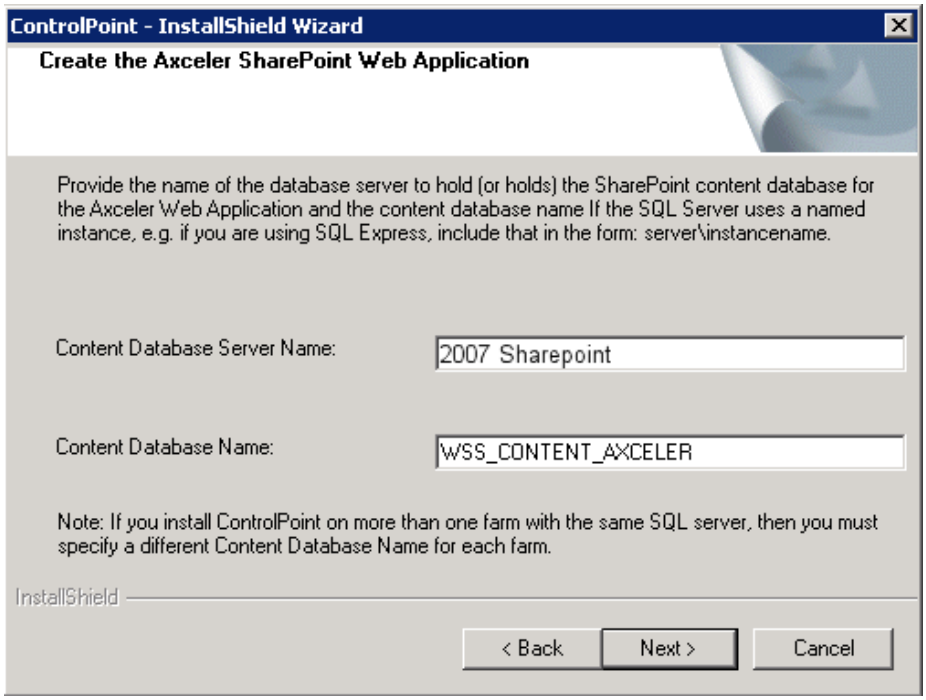
- For **Content Database Server Name**, enter the name of the server (and, if applicable, instance) on which you want the content database for the ControlPoint Configuration site collection to reside.

NOTE: If you are using SQL Express for development or evaluation purposes, the Database Server instance name is typically entered as <server_machine_name>\SQLExpress.

- For **Content Database Name**, either
  - accept the default value (WSS_CONTENT_AXCELER)

  OR

  - enter a different database name

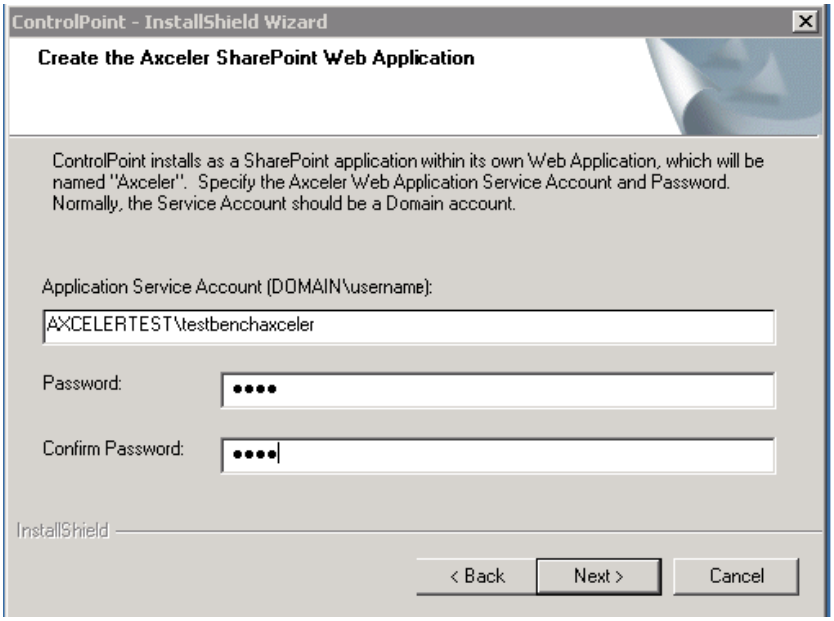


NOTE: If you are installing ControlPoint on more than one farm with the same SQL server, you must specify a different Content Database Name for each farm.

14 Click [**Next**] to display the next **Create the Axceler SharePoint Web Application** dialog.

15 Enter the ID and password of the Service Account under which you want the Axceler Web application to run.

REMINDER: If your databases reside on a different server, then the Service Account must be a domain account.



NOTE: If the account name contains accented characters, you can enter the account name but may be unable to browse for it.

16 Click [**Next**] to display the **ControlPoint Service Database Server** dialog.

17 For the **Database Server** where you want to place the ControlPoint Service database:

a) Do one of the following:

- select a server from the drop-down

OR

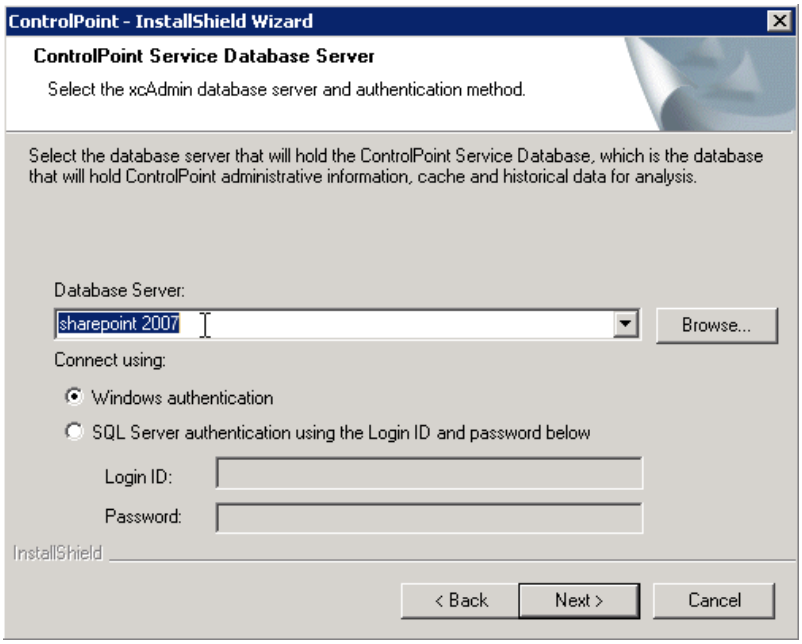
- click [**Browse**] to choose a different database server

OR

- enter the server name.

If your server uses an instance name other than the default (which is often necessary when using SQLExpress, for example), be sure to include the instance name in the Database Server name (that is, <server_machine_name>\<instance>). In the rare event that your server uses a non-standard port number, you may enter it in the form <server_machine_name>\<instance>,<port>.

IMPORTANT: If you selected Multi Farm as the Installation Type and you have already installed ControlPoint on the first farm, be sure to select the Database Server you specified for that farm.



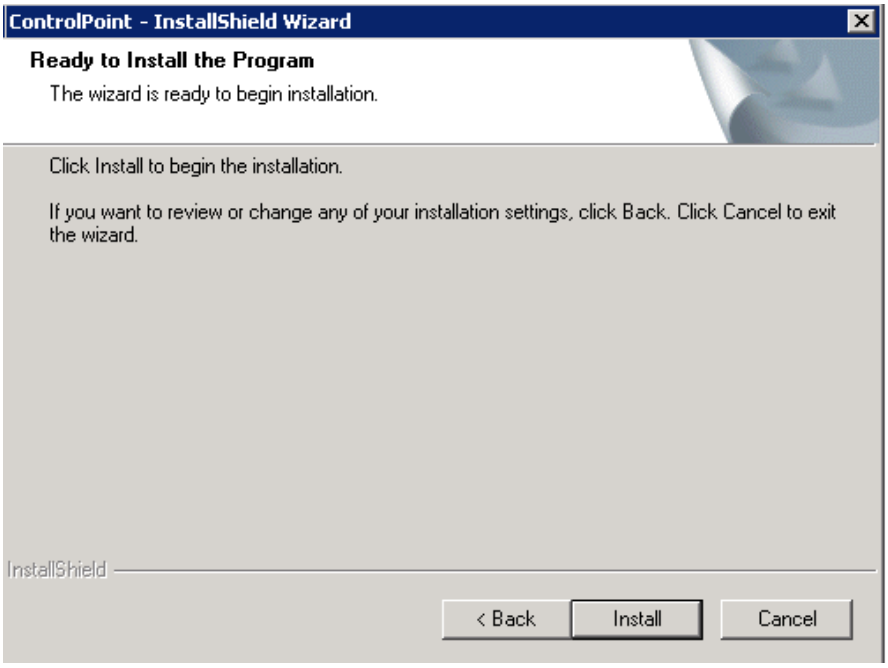
b) Specify the authentication method you want to use. (If you select SQL Server authentication, you will be prompted to enter the **Login ID** and **Password**.)

c) Click [**Next**].

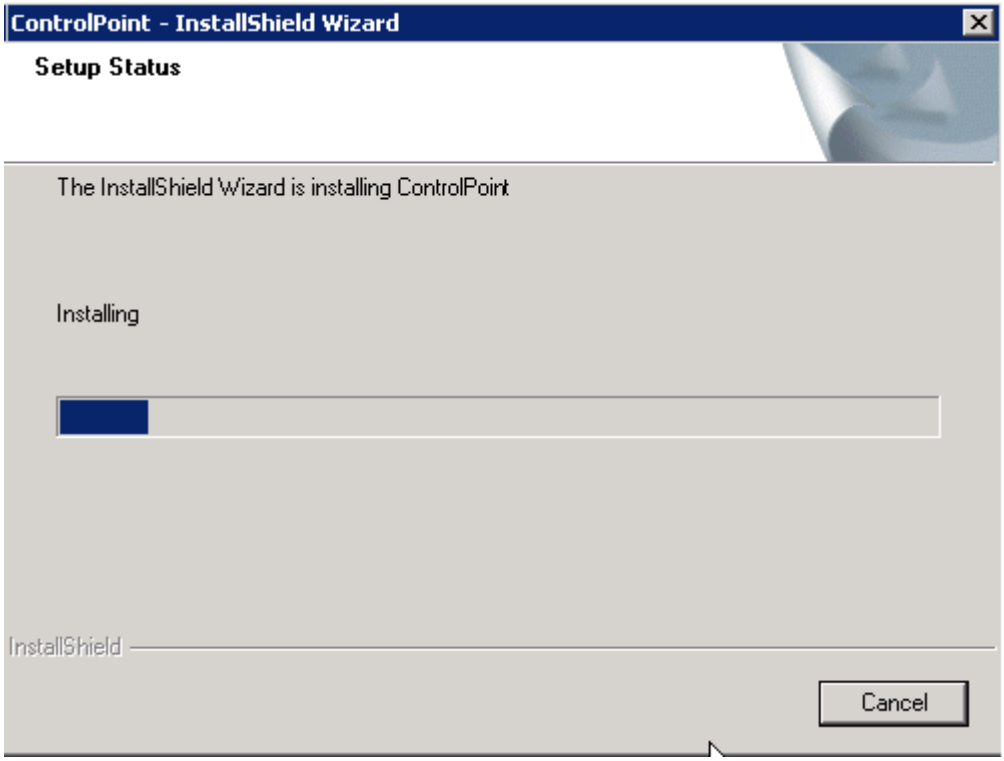
NOTE: If you selected SQL Server authentication, a pop-up will display informing you that additional manual configuration steps will be required. Click [**Yes**] to dismiss the dialog, and complete the installation.

18 Click **[Next]** to display the Ready to Install Program dialog.

NOTE: If you know you entered valid account credentials but you receive a message that the account cannot be validated (which may happen if, for example, you are installing ControlPoint in a development environment and NetBIOS has been disabled), click [**Back**] and check the **Skip validation of Service Account and Password** box before proceeding. Under normal circumstances, you should *not* skip the validation step.



19 Click [**Install**].



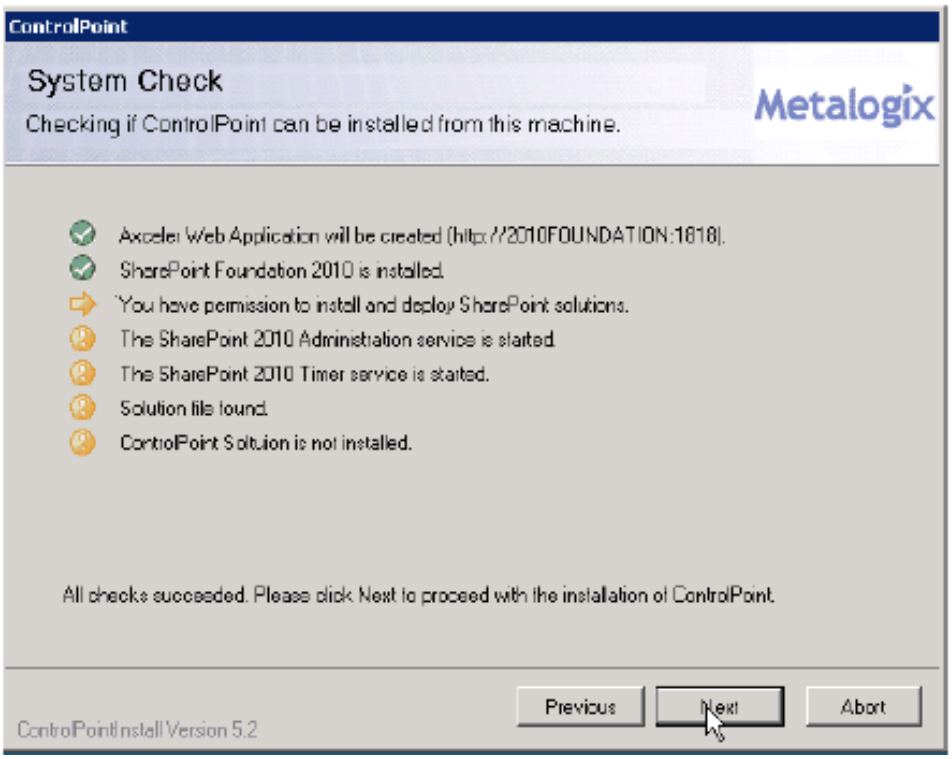
Once the setup process has run, the prerequisites installation begins. If the installer detects that it is missing, it initiates the installation of .NET 3.5.

When the prerequisite installation has completed—or if the prerequisites step was skipped—the **ControlPoint Features** dialog displays.

20 Click [**Next**].

The Features Wizard performs a system check to verify that the solution containing the ControlPoint features can be installed, based on the criteria listed on the dialog.

If one or more criteria are not met (for example you have insufficient permissions) an error message displays. Dismiss the message and follow the instructions on the dialog to exit the installer. After you have corrected the problem, re-run the installer. At this stage it will be treated as a Repair.



21 Click [**Next**] to display the **Installing** dialog.

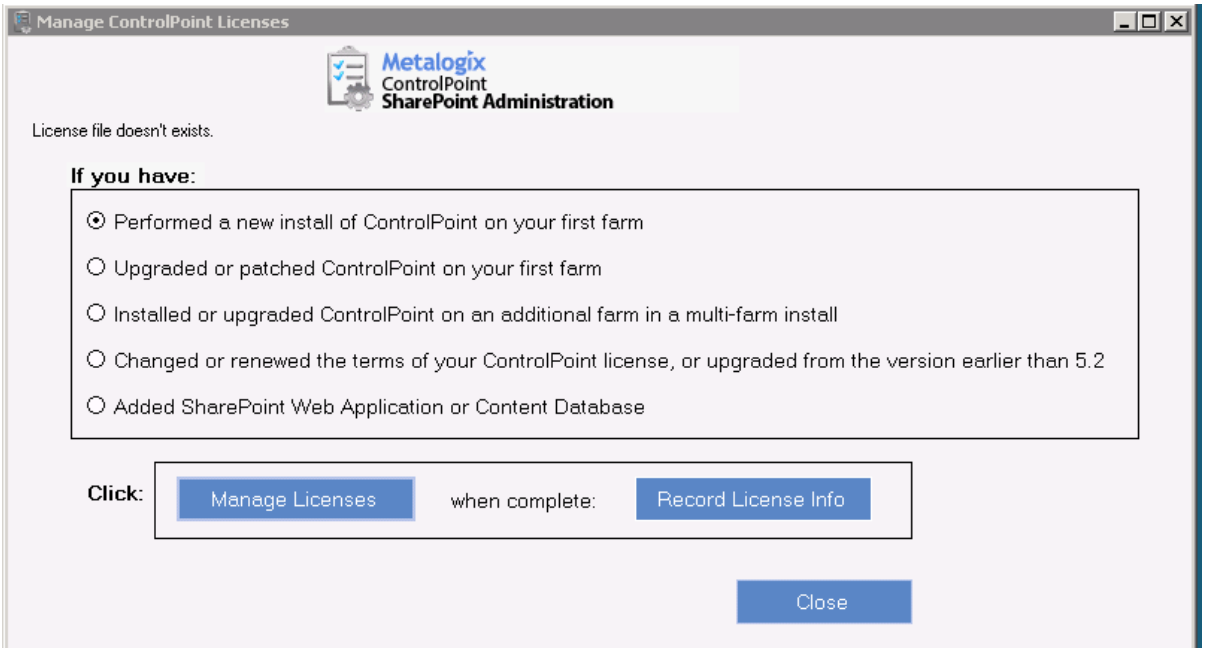
22 When the installler has finished running and the **All operations successfully completed** message displays.

23 Click [**Close**].

24 A dialog displays prompting you to install ControlPoint Change Management (which is separately-licensed functionality).

25 Use the information in the following table to determine the appropriate action to take.

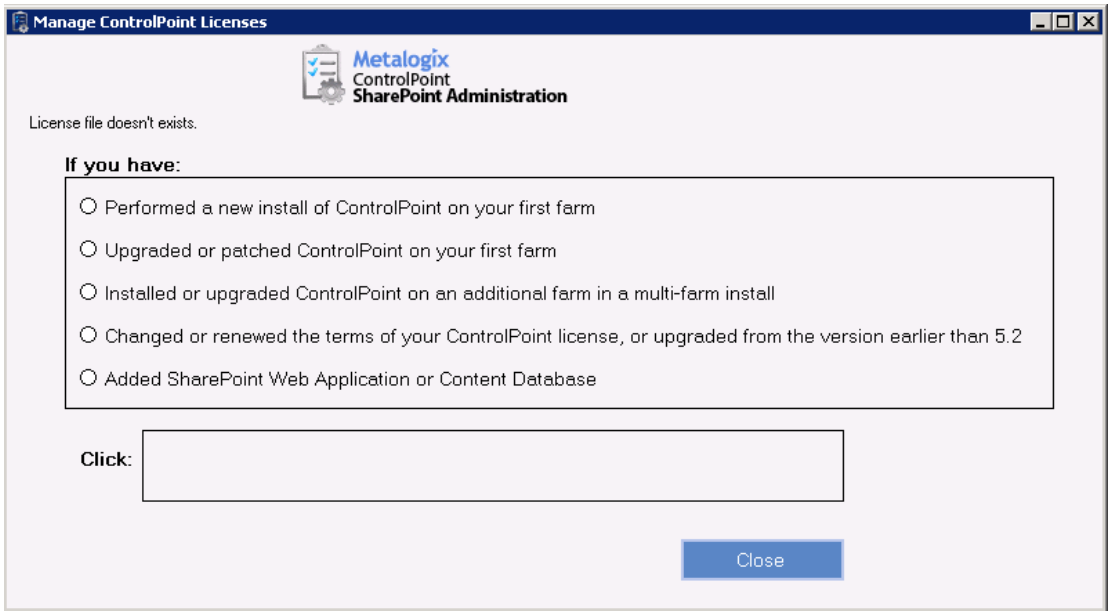
The **Manage ControlPoint Licenses** dialog displays.



NOTE: You can also invoke this dialog from the Windows Start menu on the machine where the application was installed. Be aware that until license information is recorded, you will be unable to use ControlPoint.

Activating ControlPoint

The **Manage ControlPoint Licenses** dialog automatically displays at the conclusion of the installation and deployment process.



If you choose not to activate ControlPoint immediately, you can invoke this dialog from the Windows Start menu of the server on which the application was installed by choosing Start>All Programs>AxcelerManage ControlPoint Licenses.

IMPORTANT: If UAC is enabled, you will need to Run as Administrator. Otherwise, an error will occur when you attempt to record the license.

If you are activating ControlPoint at a later time, make sure that you log in using the same account that was used to install the application.

The procedure you follow depends on the type of installation you have performed. Use the information in the following table for guidance.

If ...	Then ...
• you have performed a single-farm installation of ControlPoint OR • you have installed ControlPoint on the first farm in a multi-farm installation	follow the procedure for Activating your ControlPoint License.
you have installed ControlPoint on an additional farm in a multi-farm installation	follow the procedure for Activating ControlPoint for Additional Farms in a Multi-Farm Installation.

Activating your ControlPoint License

You must activate your ControlPoint license when installing ControlPoint for the first time or after performing an upgrade.

NOTE: After the initial license activation, you can manage your license from the ControlPoint application interface.

Summary of the ControlPoint License Activation Process

When you activate your ControlPoint license, the following actions are carried out:

- The ControlPoint license is activated, then recorded (which makes license information available to additional Web front end servers).
- The polices on all existing Web applications are set to grant the ControlPoint Service Account Full Control permissions.
- The ControlPoint Service Account is granted the `db_owner` role in all existing content databases:
- Final setup on the ControlPoint Configuration site is performed.

NOTE: If you do *not* complete the activation process, the following message will display in the ControlPoint application header: *License not yet recorded.*

The conventional way to activate ControlPoint is over the Internet, using the procedure for Activating Your License Online.

If the machine on which ControlPoint is installed does not have Internet access, you will need to request a license file from Metalogix. Continue with the procedure for Activating Your License Without Internet Access.

Activating Your License Online

To activate your ControlPoint license online:

1 On the Manage ControlPoint Licenses dialog, select the appropriate radio button.

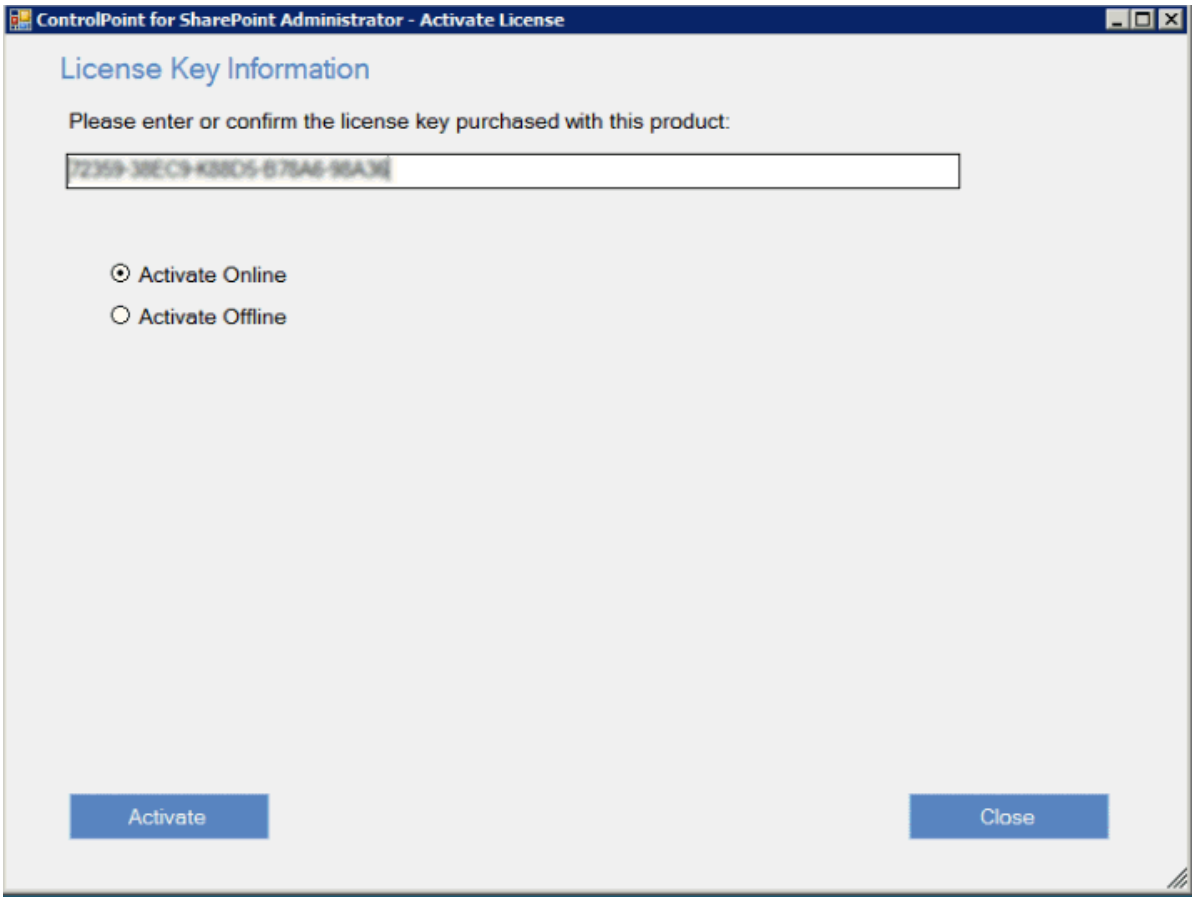
2 Click **[Manage Licenses]** to display the **Activate License** dialog.

3 Make sure **Activate Online** is selected.

REMINDER: If the server on which ControlPoint is installed does not have internet access, use the procedure for Activating Your License Without Internet Access.

4 If you have installed ControlPoint for the first time or are upgrading from a version earlier than 5.2, enter the license activation key provided by Metalogix. (If you are upgrading from a version earlier than 5.2, the **License Key** field will already be populated with your current ControlPoint license, which must be replaced with the new license provided by Metalogix.)

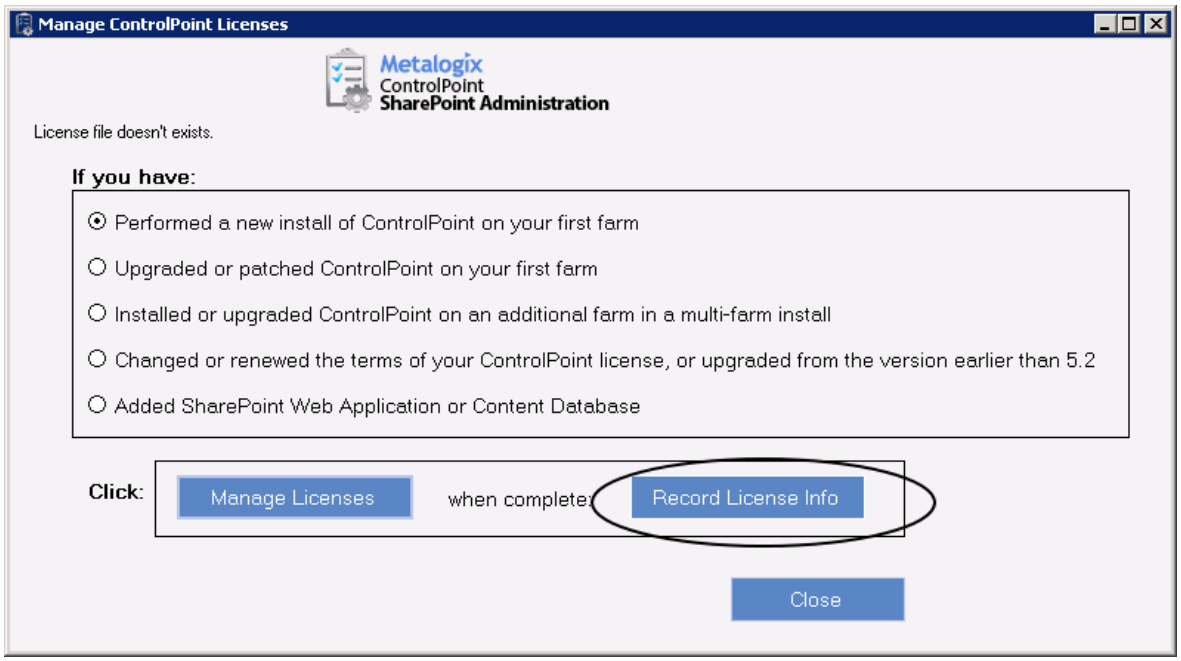
NOTE: If you are upgrading from version 5.2 or later, simply activate the currently-displayed License Key.



5 Click **[Activate]**.

6 When the *License activation succeeded* message displays in the lower-left corner of the dialog, click **[Close]** to return to the Manage ControlPoint Licenses dialog.

7 Click **[Record License Info]**.



The message *Processing License* displays in the lower left corner of the dialog as license information is made available to additional Web front-end servers in your environment. When processing is completed, it is replaced by the message *ControlPoint has been activated and License recorded.*

When you record your ControlPoint license, the following actions are carried out:

- ControlPoint license makes license information available to additional Web front end servers.
- The polices on all existing Web applications are set to grant the ControlPoint Service Account Full Control permissions.
- The ControlPoint Service Account is granted the `db_owner` role in all existing content databases:
- Final setup on the ControlPoint Configuration site is performed.

NOTE: If you do not complete the activation process, the following message will display in the ControlPoint application header: *License file does not exist*.

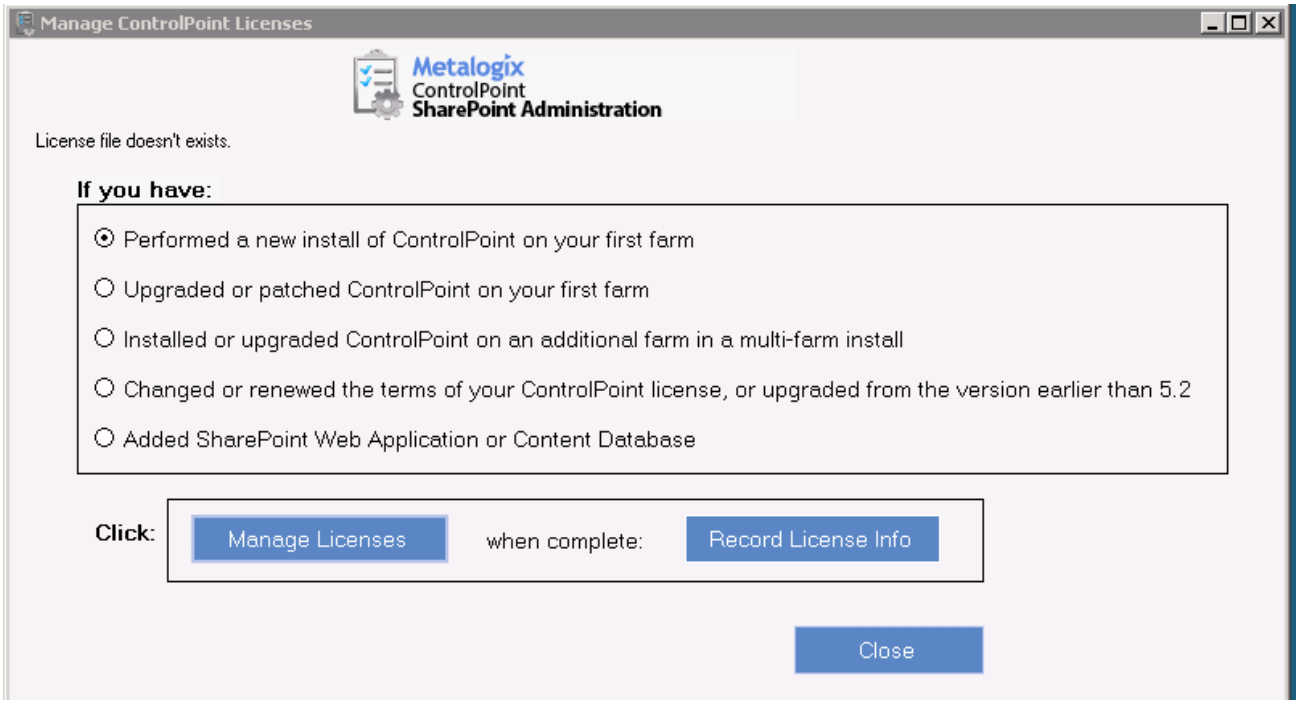
Activating Your License Without Internet Access

You can activate your ControlPoint license offline by requesting an activation key file from Metalogix. This file can then be used to activate your ControlPoint license.

NOTE: Because the request for the activation key file must be submitted via the Metalogix website the request must be *submitted* from a machine that has internet access.

To activate your ControlPoint license offline:

1 On the Manage ControlPoint Licenses dialog, select the appropriate radio button.

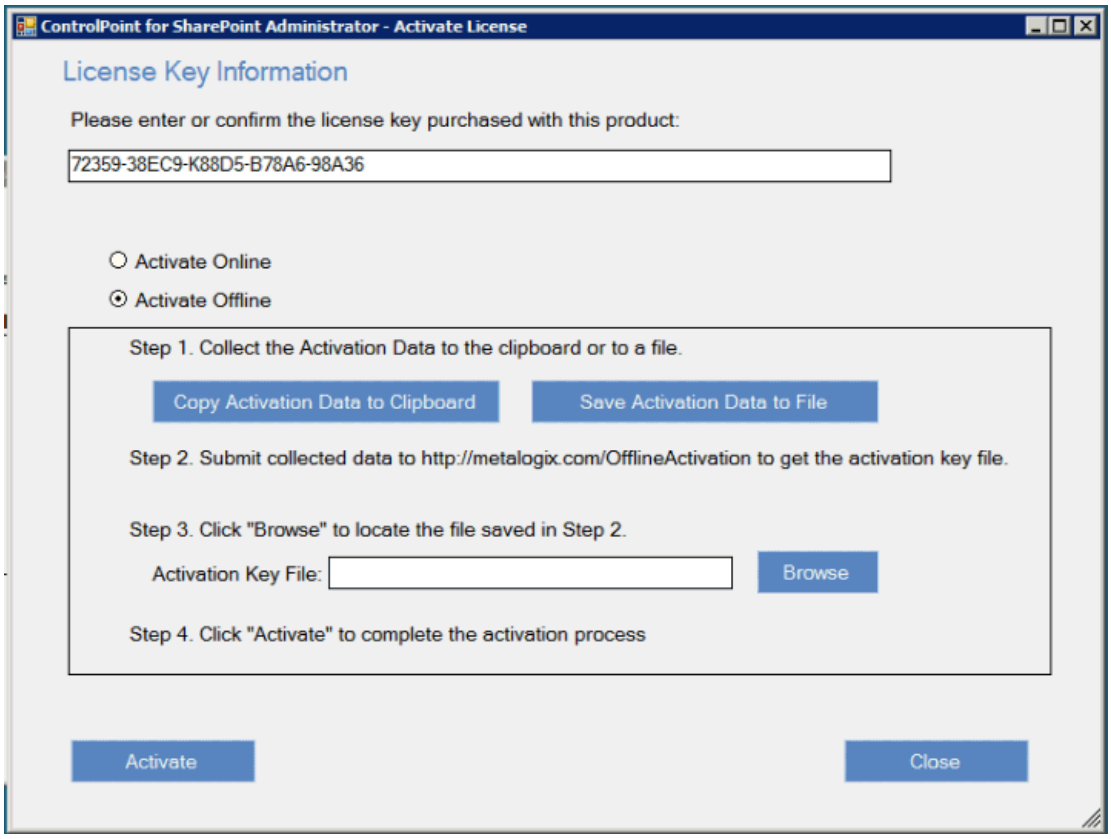


2 Click [Manage Licenses] to display the **Activate License** dialog.

3 If you have installed ControlPoint for the first time or are upgrading from a version earlier than 5.2, enter the license activation key provided by Metalogix. (If you are upgrading from a version earlier than 5.2, the License Key field will already be populated with your current ControlPoint license, which must be replaced with the new license provided by Metalogix.)

NOTE: If you are upgrading from version 5.2 or later, simply activate the currently-displayed License Key.

4 Select **Activate Offline**.



5 Follow the instructions that display in the dialog to complete the activation process:

a) **Collect the Activation Data**. You have the option to either **Copy Activation Data to Clipboard** or **Save Activation Data to (text) File**.

b) **Submit collected data to Metalogix**. Go to http://www.metalogix.com/Support/OfflineActivation.aspx and follow the instructions for submitting your activation data.

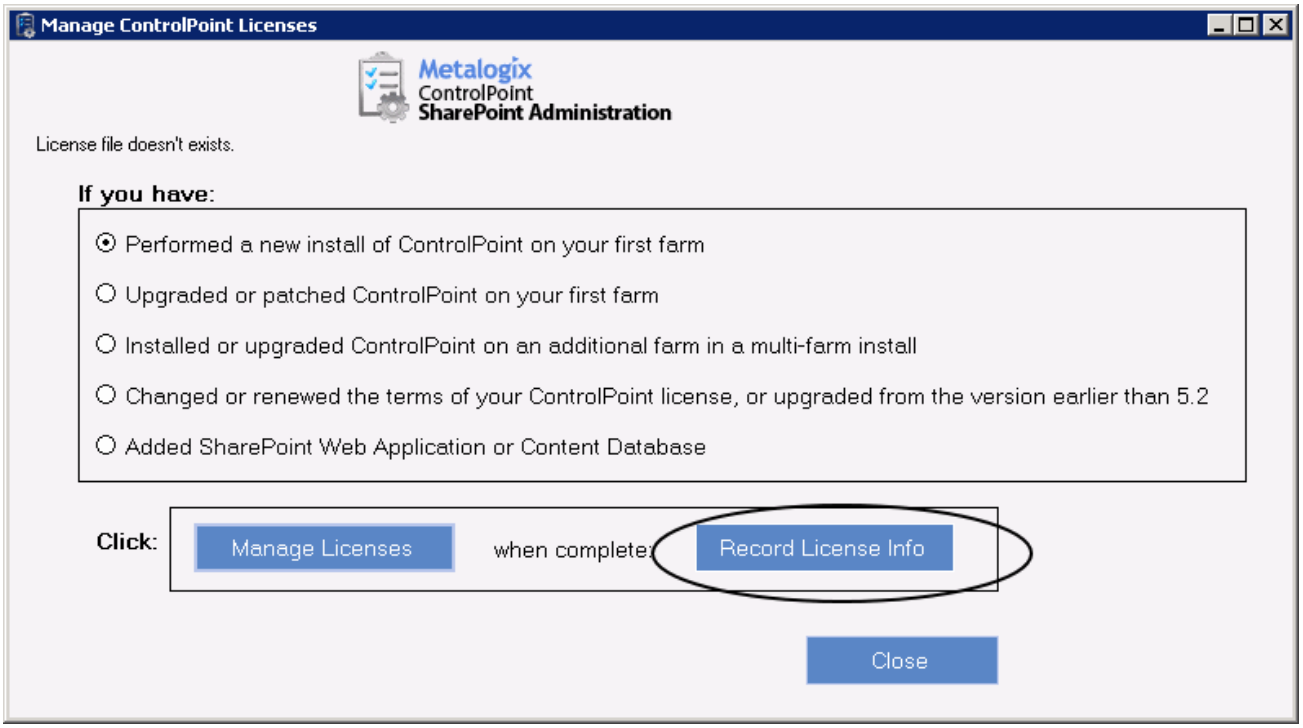
When your activation key is returned, you have the option of copying it to the clipboard or saving it to a data file. Make sure that you choose the option to save to a data file as it is the only method that Activate License dialog allows.

c) **Upload Activation Key File** obtained from Metalogix to the Activate License dialog.

d) Click **[Activate]**.

When the *License activation succeeded* message displays in the lower-left corner of the dialog, click **[Close]** to return to the Manage ControlPoint Licenses dialog.

6 Click **[Record License Info]**.



The message *Processing License* displays in the lower left corner of the dialog as license information is made available to additional Web front-end servers in your environment. When processing is completed, it is replaced by the message *ControlPoint has been activated and License recorded.*

Recording Your ControlPoint License

When you record your ControlPoint license, the following actions are carried out:

- ControlPoint license makes license information available to additional Web front end servers.
- The polices on all existing Web applications are set to grant the ControlPoint Service Account Full Control permissions.
- The ControlPoint Service Account is granted the `db_owner` role in all existing content databases:
- Final setup on the ControlPoint Configuration site is performed.

NOTE: If you do not complete the activation process, the following message will display in the ControlPoint application header: *License file does not exist*.

Activating ControlPoint for Additional Farms in a Multi-Farm Installation

If you have installed ControlPoint on an additional farm in a multi-farm installation, follow the procedure below to activate the ControlPoint application for that farm.

Summary of the Additional Farm Application Process

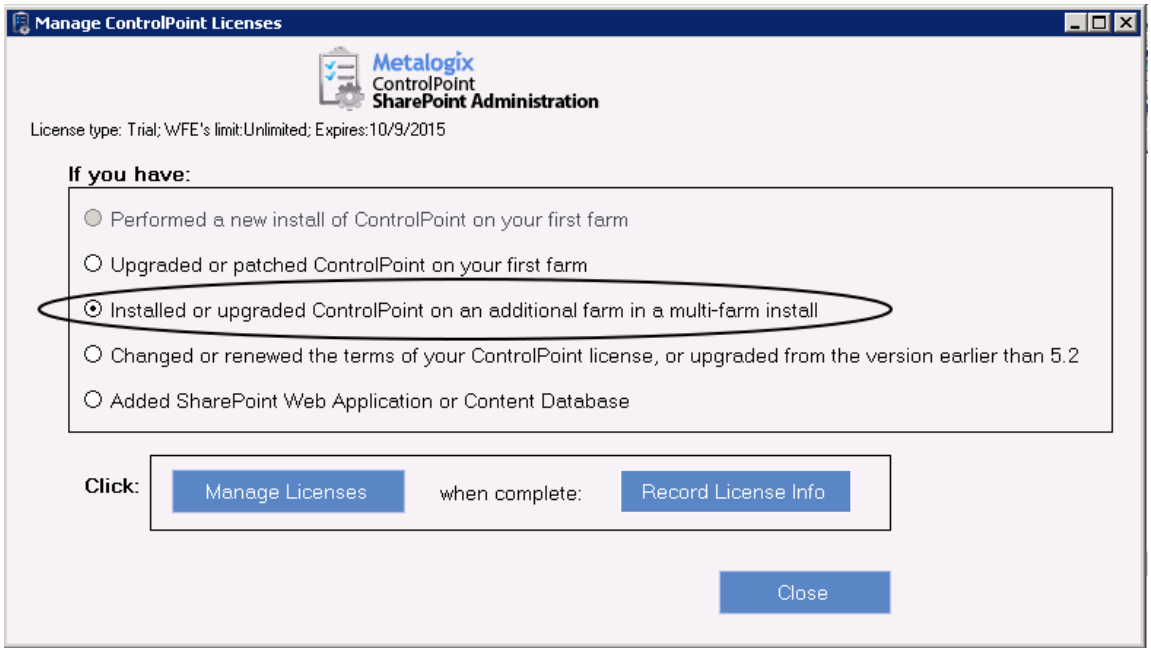
When you activate ControlPoint for additional farms, the following actions are carried out:

- The polices on all existing Web applications are set to grant the ControlPoint Service Account Full Control access.
- The ControlPoint Service Account is given the following database rights:
  - Connect
  - Authenticate
  - Read
  - Execute
- Final setup on the ControlPoint Configuration site is performed.

To activate ControlPoint for additional farms:

1 On the **Manage ControlPoint Licenses** dialog, click the **Installed or updated ControlPoint on additional farms in a multi-farm install** radio button.

The **[Manage Licenses]** and **[Record License Info]** buttons display, prompting you to enter or update your current license.



2 Follow the procedure for Activating your ControlPoint License.

3 Click [**Close**] to dismiss the dialog.

Configuring the ControlPoint Application Environment

Once the ControlPoint application has been installed and configured on the first Web front-end server in your SharePoint farm, you can perform the following tasks as needed:

- Configure ControlPoint for each additional Web front-end server in your farm (both when installing ControlPoint for the first time and whenever a new Web front-end server has been *added* to your farm).
- Set up host headers and/or alternate access mappings (for load balancing).
- If you use alternate authentication providers in your farm, configure ControlPoint to recognize them.

REMINDER: Each farm in a multi-farm installation has its own copy of the ControlPoint application. Therefore, if you have installed ControlPoint on multiple farms, you must perform the entire configuration and setup process for each farm.

Configuring ControlPoint for Additional Web Front-End Servers

If you have more than one Web front-end server in your farm, SharePoint automatically propagates the ControlPoint application to all of them. However, you must perform the following tasks manually on each additional Web front-end server:

- Install prerequisite (that is, the appropriate version of the .NET Framework) From the installation folder, run **prerequisites.exe.**

  NOTE: It is important that additional Web front-end servers run with the version of prerequisites provided by Metalogix. Refer to the topic Installing and Deploying ControlPoint for more information on prerequisites.

- Create an IIS Virtual Directory, as described below.

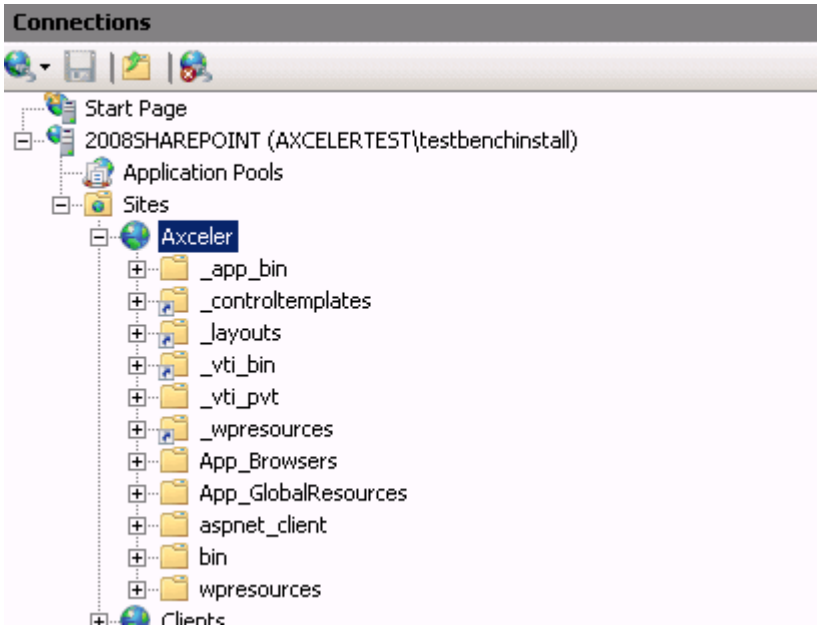
  NOTE: SharePoint automatically propagates the ControlPoint application to all Web front end servers; however, it only creates the IIS Virtual Directory on the machine on which ControlPoint was installed. Included with ControlPoint is a utility called **CreateVirtDirectory.exe** to help automate this process. Alternatively, you can create the IIS Virtual Directory manually. Consult your Microsoft Server documentation for details, as the procedure varies based on the version of IIS Manager you are running.

To create an IIS Virtual Directory on an additional front-end server using the Create Virtual Directory utility:

1 Open the IIS Manager on the additional Web front-end server.

2 Verify that SharePoint has propagated the Axceler website, as indicated by its presence in the IIS of the server).

NOTE: The amount of time it takes for SharePoint to propagate the Axceler website to additional Web front-end servers depends on a number of factors, including the size of your farm.



3 On the front end server where the ControlPoint application was initially installed, go to the following directory:
C:\Program Files\Metalogix (or **Axceler)\ControlPoint\AxcelerFeature**

4 Copy the file **CreateVirtDirectory.exe** to any location on the additional front-end server, then double-click to run it.

NOTE: If you are running Windows Server 2008, it may be necessary to "Run as Administrator."

5 Repeat Steps 1-4 for each additional front-end server in your farm.

Additional ControlPoint Management Tasks

For information on performing additional ControlPoint management tasks (such as setting up host headers and alternate access mappings, managing ControlPoint users and groups, and making ControlPoint available to business users), refer to *The ControlPoint Administration Guide*, which is located in the ControlPoint User's Guide zip file.

If you need to allow users of custom claims providers to use ControlPoint, contact Metalogix Technical Support (for additional instructions.

Launching ControlPoint

Use one of the following options to start the ControlPoint application.

From your workstation browser:

Enter **http://**<*server_machine_name*>:<*port_number*>/_**layouts/Axceler**.

(The server machine name is the name of the machine on which ControlPoint is installed. 1818 is the default port number for the Axceler Web application.)

NOTE: If you are a ControlPoint Application Administrator logging in for the first time, complete the login screen using the account that was designated as the ControlPoint Site Collection Administrator account at the time the ControlPoint application was installed.

From the server on which ControlPoint is installed:

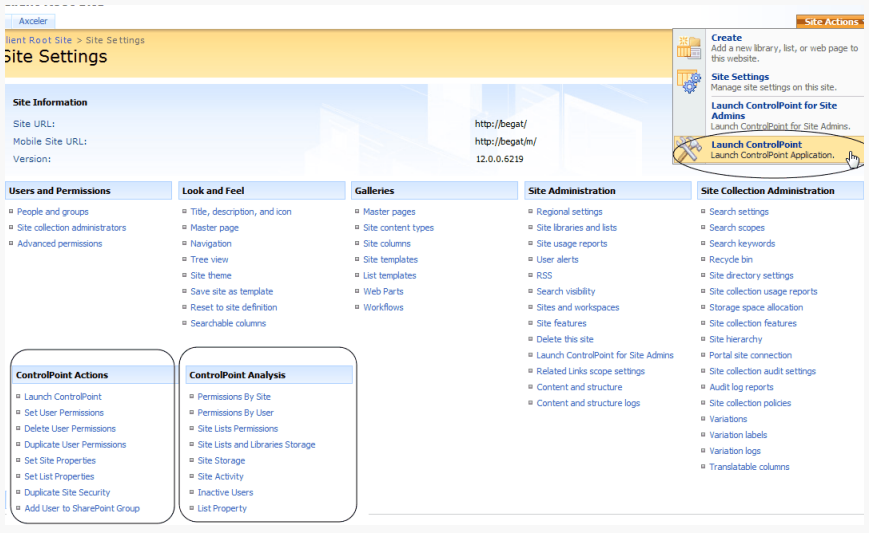
1 Log into the server using the account that was designated as the Axceler Service Account at the time the ControlPoint application was installed.

2 From the Windows Start menu, choose Programs > Axceler > ControlPoint > Launch ControlPoint Application.

From within a SharePoint site:

NOTE: You can launch ControlPoint from within a SharePoint site only if the ControlPoint for Site Admins feature and/or the ControlPoint Menus for Site Settings feature has been activated for the site. More information can be found in the *ControlPoint Administration Guide*.

If ...	Then ...
ControlPoint for Site Admins has been activated	from the SharePoint Site Settings page or the Site Actions menu, choose Launch ControlPoint for Site Admins.

If ...	Then ...
	
ControlPoint Menus for Site Settings has been deployed and activated	• from the Site Settings page, select one of the **ControlPoint Actions** or a **ControlPoint Analysis** OR • from the Site Actions menu, choose Launch ControlPoint. 

Moving ControlPoint to A Different Web Front-End Server

If the need arises to move the ControlPoint application from the Web front-end server on which it was originally installed (for example, the machine may have become nonoperational or is being decomissioned), you can install it on a different Web front-end server using the following procedure.

To move ControlPoint to a different Web front-end server:

1 Contact Metalogix and obtain a new license code.

NOTE: When a ControlPoint license is initially activated, the license is node-locked to the machine on which it is installed and cannot be entered on a different machine.

2 In Central Administration, change the url in the default zone for the Axceler Web application to a url that includes the new machine name and port number that has already been specified for the Axceler Web application (1818 is the ControlPoint default).

NOTE: It is important to complete this step *before* installing on the new Web front-end to allow the installer to recognize that the Axceler Web application exists within the context of the new machine name.

3 Install, configure, and activate ControlPoint on the new Web front-end using the instructions for First Time Installation and Configuration. Provide all of the same information used for the original installation— Service Account credentials, port number, location of the Axceler Service database, and so on.

The installer will find and re-use the existing ControlPoint Configuration site and ControlPoint Administration (xcAdmin) database, so all settings and historical data will be preserved.

Upgrading from a Previous Version of ControlPoint

To upgrade from a previous version of ControlPoint, run the latest version of the installation program provided by Axceler as a **Repair**.

When upgrading to a new version of ControlPoint:

Make sure that you:

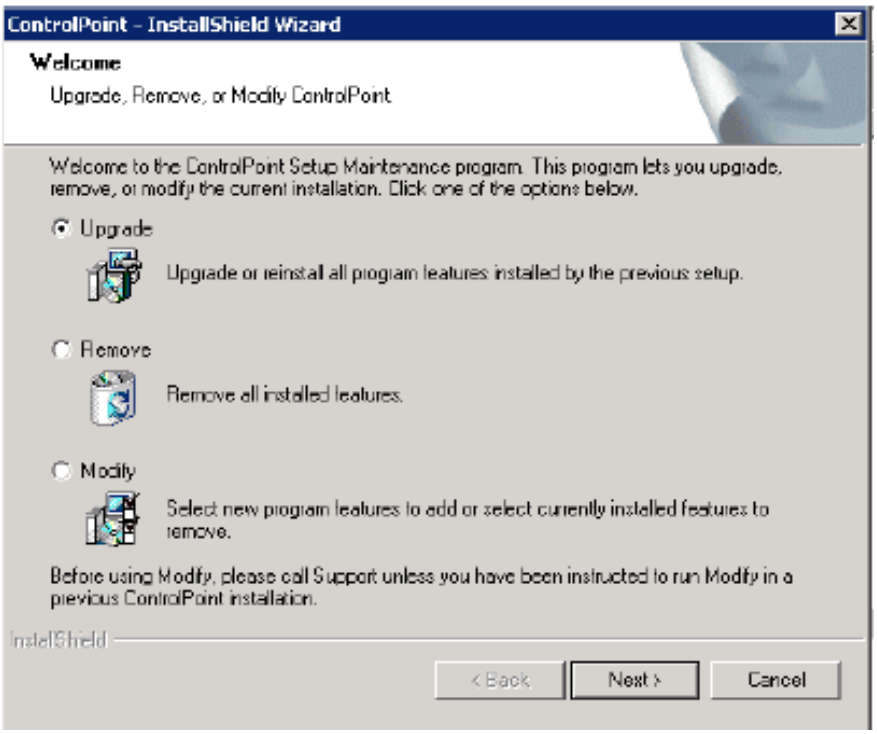
- run the installer on the Web front-end server on which the original installation was performed, and
- log in using the account from which the original installation was run.

Remember to perform this procedure for each farm in a multi-farm installation.

NOTE: If UAC is enabled, you must "Run as Administrator."

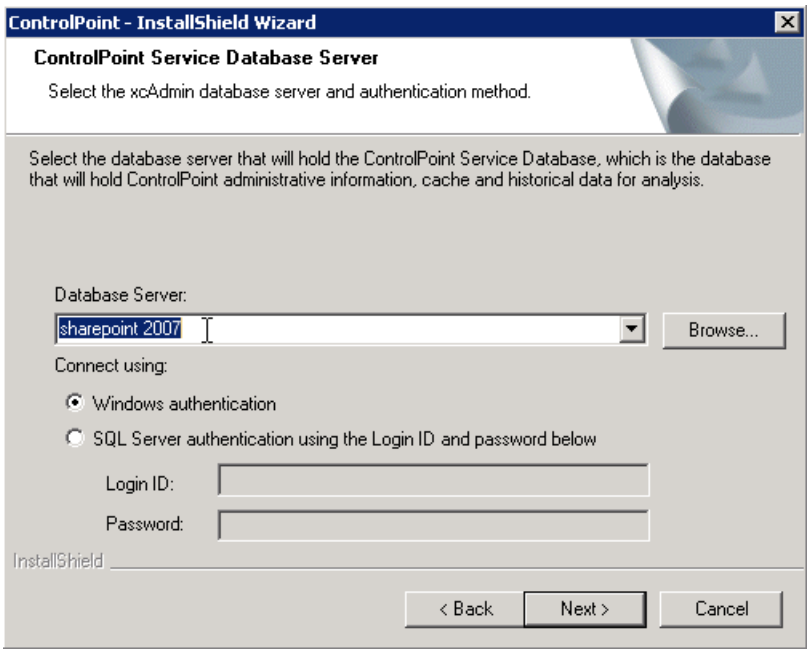
To upgrade installed components:

1 From the InstallShield Wizard Welcome screen, select **Upgrade** (the default option).



2 Click [**Next**].

The ControlPoint Service Database Server dialog displays.



NOTE: The information on this dialog should be changed only under special circumstances. For example, if you want to create a ControlPoint Services database in a different location (or use one that is located on another server), you can select a different Database Server.

3 Click [**Next**].

The InstallShield Wizard installs the new features using the same parameters specified during that installation (that is, the dialogs that prompt you to enter these values are skipped).

At the conclusion of the upgrade process, the Manage ControlPoint Licenses dialog displays, prompting you to update your ControlPoint license.

If any ControlPoint policies were created in an earlier version:

After performing the upgrade, existing ControlPoint policies will not be fully enforceable until you have:

- performed an IIS reset on the machine on which ControlPoint has been installed

AND

- re-registered all policies (See the *ControlPoint User's Guide* for information on re-registering policies).

Updating Your ControlPoint License After a Software Upgrade or Maintenance Release

The **Manage ControlPoint Licenses** dialog automatically displays at the conclusion of a software upgrade or maintenance release.

If you choose not to activate ControlPoint immediately, you can invoke this dialog from the Windows Start menu of the server on which the application was installed by choosing Start>All Programs>Axceler>Manage ControlPoint Licenses.

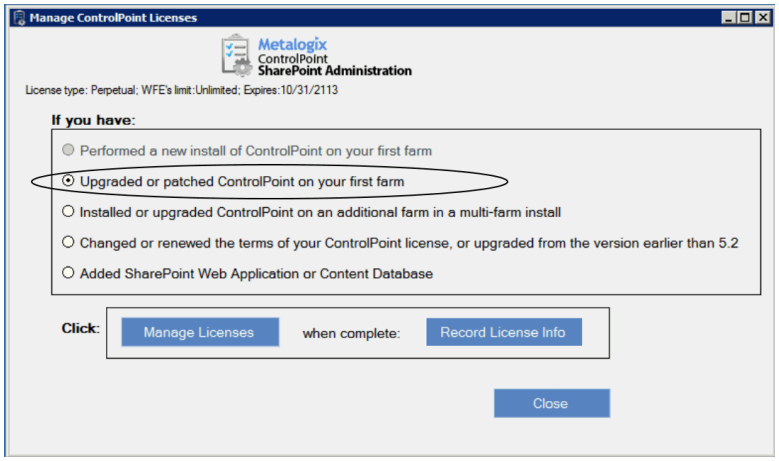
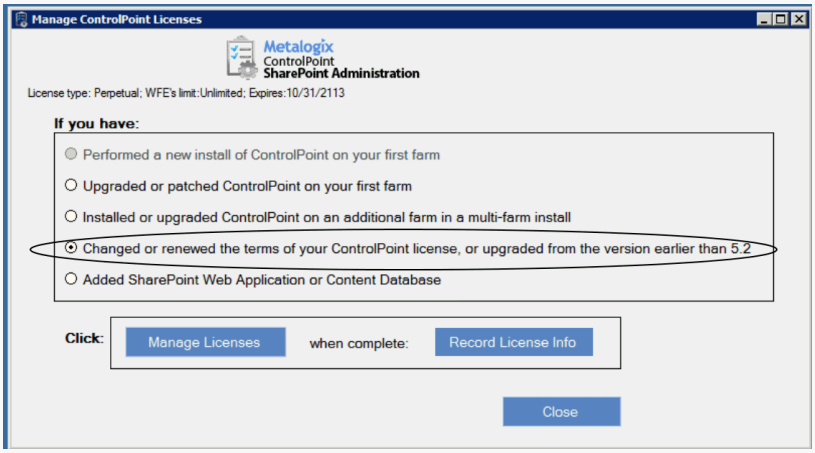
If you are activating ControlPoint at a later time, make sure that you log in using the same account that was used to install the application.

NOTE: You may need to "Run as Administrator" to invoke the dialog.

Use the following procedures to update your ControlPoint license after you have installed a software upgrade or maintenance release from Metalogix.

To update your ControlPoint License for the first (or only) farm:

1 Use the information in the following table to determine the appropriate action to take.

If you have ...	Then ...
upgraded from version 5.2 or later	select **Upgraded or patched ControlPoint on your first farm.** 
upgraded from a version earlier than 5.2	select **Changed or renewed the terms of your ControlPoint license, or upgraded from a version earlier than 5.2.** 

2 The **[Manage Licenses]** and **[Record License Info]** buttons display, prompting you to enter or update your current license.
Follow the procedure for Activating your ControlPoint License.

3 Click **[Close]** to dismiss the dialog.

To update your ControlPoint license for additional farms in a multi-farm installation:

Follow the procedure for Activating ControlPoint for Additional Farms in a Multi-Farm Installation.

Removing (Uninstalling) ControlPoint

After the initial installation of ControlPoint, you can use the **Remove** option if you want to completely remove ControlPoint from your farm.

The Axceler Web application and all of its contents will be deleted as part of the uninstall.

When removing installed components:

Make sure that you:

- run the installer on the Web front-end server on which the original installation was performed, and
- log in using the account from which the original installation was run.

To launch the installer:

Use one of the following options:

- the applicable Windows tool:
  - for Server 2008: Programs and Features (choose **Uninstall**)
  - for Server 2003: Add or Remove Programs (choose **Remove**)

OR

- if the application was installed from a downloaded zip file, locate the folder to which the installation files were unzipped, and double-click **setup.exe**.

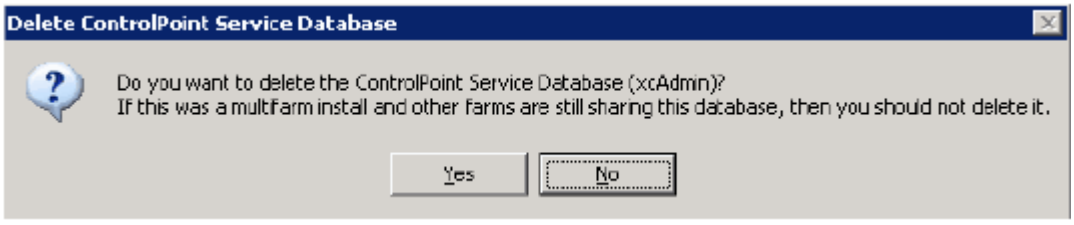
To remove (uninstall) ControlPoint:

1 From the InstallShield Wizard Welcome dialog, select **Remove**.

NOTE: If you invoked the installer using the Windows Add or Remove Programs or Programs and Features tool, this dialog will be skipped.

2 Click [**Next**].

A pop-up dialog displays, asking you whether you want to delete the Axceler Service database.



3 Use the information in the following table to determine the appropriate action to take.

If ...	Then ...
• you are permanently removing ControlPoint from a single-farm environment OR • you have a multi-farm installation of ControlPoint and you want to permanently remove the application from all farms	click [**Yes**].
• you are using ControlPoint in a multi-farm environment and want to continue to use it to manage other farms OR • you plan to reinstall ControlPoint in your environment	click [**No**].

A pop-up dialog displays, asking whether you want to delete ControlPoint Policies (if any) that have been created for your farm.



4 Use the information in the following table to determine the appropriate action to take.

If ...	Then ...
you are permanently removing ControlPoint from the farms	click [**Yes**]. NOTE: The program xcUtilities will be copied to the system temp directory and will be executed from there. Normally, it will continue to perform its cleanup after other aspects of the uninstall have completed.
• you plan to reinstall ControlPoint in your environment and you want all existing ControlPoint policies to be retained OR • no ControlPoint polices have been created for your farm	click [**No**].

5 Click [**Next**].

The InstallShield Wizard:

- removes all installed components, and
- deletes any shortcuts on the menu and the target directory.

ControlPoint Log Files

There are a number of log files that can help in troubleshooting ControlPoint issues.

NOTE: If you cannot diagnose your issue using the information in this guide and need to contact Metalogix Technical Support, have any applicable log file(s) readily available to help the Technical Support Specialist better assist you.

Installation Log (xcControlPoint.log)

`xcControlPoint.log`:

- is the log file where the progress of a ControlPoint installation is recorded, and
- is located on the machine on which ControlPoint was installed for the farm, in the directory **C:\Program Files\Axceler\ControlPoint\AxcelerFeature**.

Licensing and Activation Log File (xcClient.log)

`xcClient.log`:

- is the log file where ControlPoint license activation and management is recorded, and
- is located on the machine on which ControlPoint was installed for the farm, in the directory **C:\Program Files\Metalogix** (or **Axceler**)**\ControlPoint\AxcelerFeature**.