

ControlPoint

Native Installation Guide

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Who Should Use This Kit?

This document describes the "Native" ControlPoint kit, which is intended for use by customers whose environment meets any of the following criteria:

- Are using SharePoint with Custom Claims providers, including ADFS
- Need to use Windows Claims to log onto ControlPoint
- Are unable to create an additional Web Application, and therefore must install into an existing Web application

If your environment does *not* meet any of the criteria described above, you should use the "standard" ControlPoint kit, which has been created for the most common SharePoint environments.

Differences Between Standard and Native Kits

Standard Kit	Native Kit
Uses InstallShield	Uses a purely scripted install.
Creates a separate Web Application to host the ControlPoint Configuration site.	Requires installation into an already existing Web Application, using a wild-card managed path. NOTE: Although not required, if practical it is recommended that that you create a separate Web Application to contain the ControlPoint Configuration site. This allows a cleaner separation of permissions and processing.
Creates a separate IIS Virtual Directory	Uses the IIS Virtual Directory created by SharePoint (which, among other benefits allows ControlPoint to integrate better with custom Claims providers.

System Requirements

Server Requirements

For a SharePoint 2010 Farm

- **Windows Server** 2008 64-bit, with IIS activated.
- **SharePoint 2010** (**Foundation** or **Server**) web front-end.

  NOTE: To run fully functional ControlPoint Activity analyses in a SharePoint 2010 Server environment, the Web Analytics service must be used by all Web applications in the farm.
- **Microsoft SQL Server:** SQL Server 2008 (64-bit) 2012, or 2014

  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.

For a SharePoint 2013 Farm

- **Windows Server** 2008 or 2012 (64-bit), with IIS activated.
- **SharePoint 2013** (**Foundation** or **Server**) web front-end.

  NOTE: To run ControlPoint Activity analyses in a SharePoint 2013 Server environment, SharePoint Usage must be enabled.
- **Microsoft SQL Server:** SQL Server 2008 (64-bit), 2012 or 2014

  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 4.5**

  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.

For a SharePoint 2016 Farm

- **Windows Server** 2012 R2 (64-bit), with IIS activated.
- **SharePoint 2016** web front-end.

  NOTE: To run ControlPoint Activity analyses in a SharePoint 2016 environment, SharePoint Usage must be enabled.
- **Microsoft SQL Server:** SQL Server 2014 SP1 (64-bit)

  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 4.6**

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.

Web Application Requirements

The Web application into which you will be installing ControlPoint must be configured to allow Windows-based authentication (which may be in the context of Claims) in addition to any other authentication providers.

REMINDER: If possible, it is recommended that you create a separate Web Application specifically for use by ControlPoint. This will allow for a cleaner isolation of the permissions, processing requirements, and configuration choices required by ControlPoint. However, installation into an existing Web application used for other purposes is fully supported.

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 ControlPoint 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
  - ideally, a Farm Administrator

    NOTE: If it is not possible for the account to be a Farm Administrator, you will be unable to set Site Collection Quotas in ControlPoint and an additional configuration step will be required.
  - a domain account if any database resides on a different server(s) from the server on which you will be installing ControlPoint

IMPORTANT NOTES:

- 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.
- In accordance with SharePoint Best Practices, the ControlPoint Service Account should *not* be the SharePoint Farm Account (that is, the account used to run Central Administration), as the performance of some ControlPoint operations may be negatively impacted.

Compatible Browsers

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

- **For SharePoint 2013 or 2016:**
  - Microsoft Internet Explorer (IE) version 10 or later, running in Compatibility View

    NOTES:

    With **IE 10**:

    - ControlPoint must be run with the 'AutoComplete User names and passwords on forms' option disabled.
    - When launching ControlPoint from a server, IE Enhanced Security Configuration (ESC) on that server must be *off*.

    When using Internet Explorer build 11.0.9600.18617, report results do not fill the entire results section.
  - Microsoft Edge
  - Mozilla Firefox (latest public release)
  - Google Chrome (latest public release)
- **For SharePoint 2010**:
  - Microsoft Internet Explorer (IE) version 10 or later, running in Compatibility View

    NOTES:

    - With IE 10, 'AutoComplete User names and passwords on forms' option must be disabled.
    - When using Internet Explorer build 11.0.9600.18617, report results do not fill the entire results section.
  - Microsoft Edge
  - Microsoft Edge
  - Mozilla Firefox version 3 or later

- Google Chrome

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 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 Web application that hosts the ControlPoint Configuration Site collection 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 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, 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 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.

Installing ControlPoint

Metalogix ControlPoint is installed and runs as a .NET application. It is installed into an existing Web application, 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.

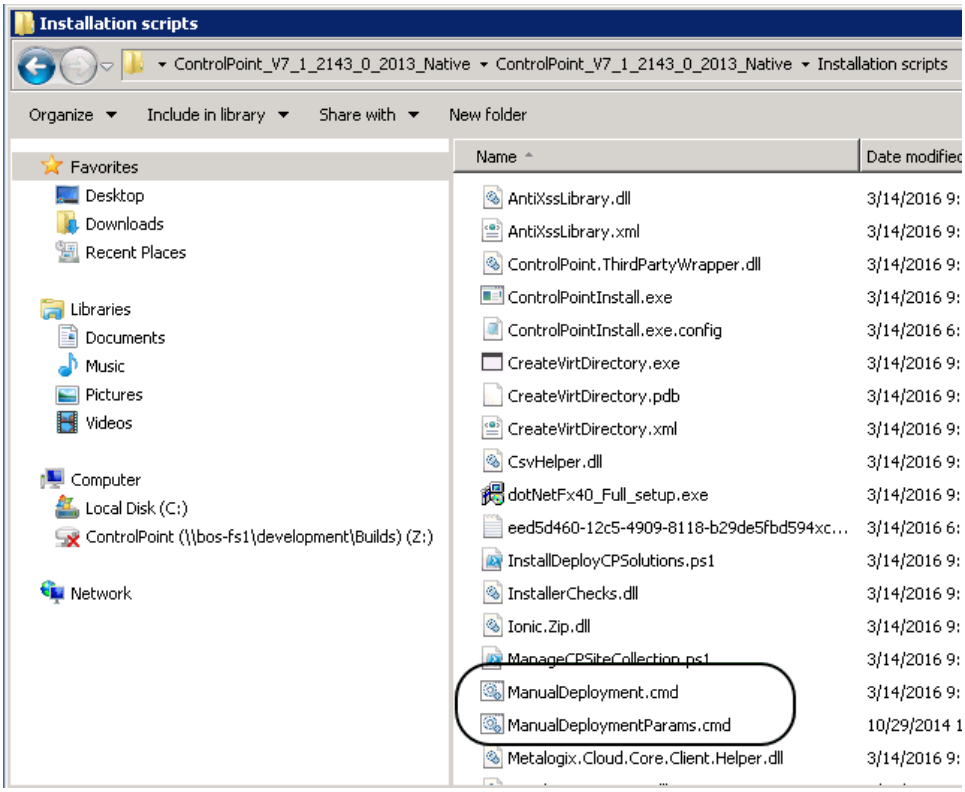
NOTE: You can install ControlPoint on any Web front-end server machine in your farm. It is recommended, however, that you install ControlPoint on the machine on which you want to run the most resource-intensive ControlPoint processes. The machine name of the server on which you install ControlPoint is 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.

Native Kit Components

The Native Kit consists of the following three folders:

- **Release Documents** - Contains the set of installation and user documentation for ControlPoint.
- **Solutions Artifacts** - Contains the solution (.wsp) files that contain the core functionality of ControlPoint; it may also include the Visual Studios symbol (.pdb) files that are used by the MSOCAF code analysis framework.
- **Installation Scripts** - Contains the command files, parameter files, executables, and dlls necessary to support the installation process itself. The two most critical components in this folder are the following file :
  - **ManualDeploymentParams.cmd**, which contains the parameters that configure the installation

- **ManualDeployment.cmd**, which contains the script that carries out the installation.



Before You Begin

- For the first farm on which you are installing ControlPoint, 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.

NOTE: If the machine on which ControlPoint is installed does not have Internet access, you can request a license file from Metalogix.

Have the following information ready (you may wish to record it in the spaces provided):

- The URL of the Web Application into which ControlPoint will be installed (For example, if a load balancer is used, the load balancer URL should be entered; if the load balancer performs SSL decryption, the SSL version of the URL should be entered.)

  Web App URL _____

- The managed path where you want to create the ControlPoint Configuration Site Collection to be created (most Web applications have **/sites** available, and that is the default value for this parameter.)

  Web Application Managed Path _____

- The email address of the primary ControlPoint Administrator. (This will act as the "from" account for email correspondence sent on behalf of ControlPoint)

  ControlPoint Administrator Account Email Address _____

- The domain account that will become the Site Collection Administrator for the ControlPoint Configuration Site Collection.

  It is recommended that you use an Active Directory-based name and allow the initial script to add the Windows-Claims prefix for that account. You can add FBA-based or other Claims-based identities to the Site Collection Administrator's list later.

  Site Collection Administrator Account _____

- The domain account to be used to install ControlPoint

  ControlPoint Installation Account _____

  The application pool account for the Web application where the ControlPoint Configuration Site Collection will be installed

- **Web App Application Pool Account** _____

  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** _____

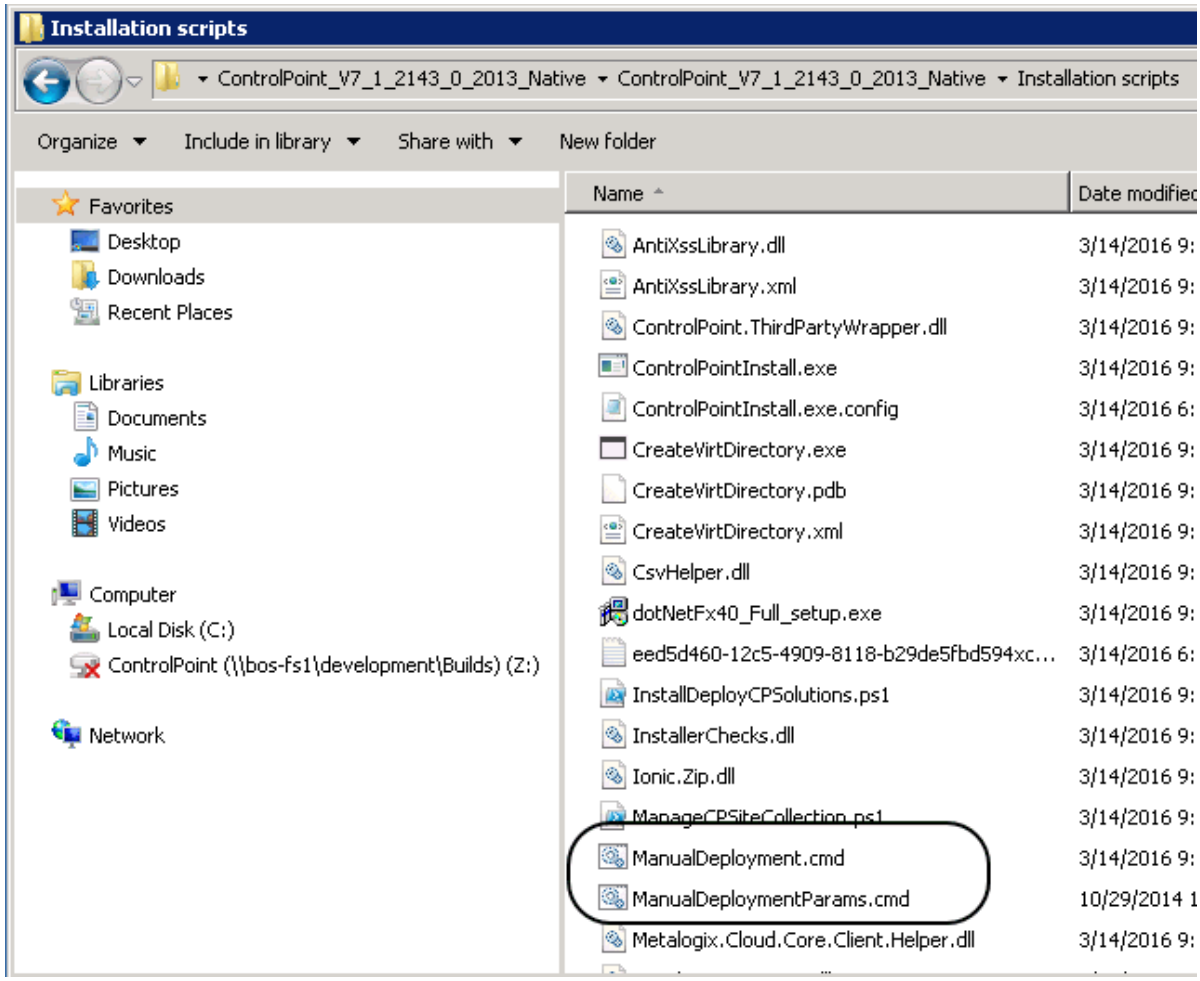
Installing and Deploying ControlPoint

1 On the Web front-end server where ControlPoint will be installed, make sure the installation kit provided by Metalogix is in an accessible location (such as the Desktop).

2 Navigate to the following folder: **Native_Kit\Installation scripts**.

3 Open the file **ManualDeploymentParms.cmd** in Edit mode.

TIP: It is recommended that you make a backup of this file before editing it.



4 Complete the parameters with the information specified in "Before You Begin," earlier in this topic. Use the information in the following table.

NOTE: Metalogix has provided a default value for each parameter to illustrate the correct syntax. When necessary, these values should be overwritten with the parameters specific to your environment.

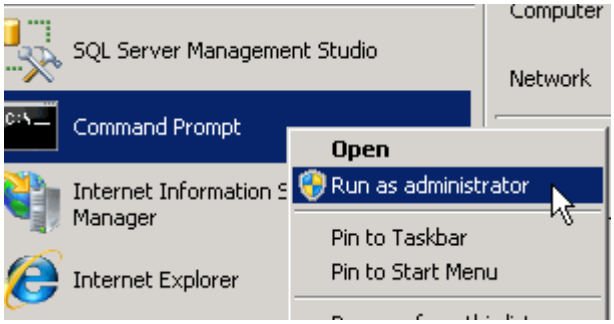
For the parameter ...	Use ...
@Set SkipDBCreate=SKIP	*only* if you elect to create the ControlPoint Service (xcAdmin) database on the server *before* the manual install, unremark this line. NOTE: Typically, the xcAdmin database is created as part of the install. If you want to create it in advance, run the following scripts (located in the folder **Native_Kit/Installation scripts**) in the following order: ▪ **script_xcAdminCreate.sql** ▪ **script_xcAdminUpdate.sql**

For the parameter ...	Use ...
@Set ClPrefix=	If you are using a *custom* Claims provider, replace the default (Windows-based) prefix with your provider's prefix. NOTE: Leave the remainder of the string for this parameter unchanged
@Set COMMAND=	**Deploy** (the default value)
@Set WAPURL=	The path to the Web application where you want the ControlPoint Configuration Site Collection to be created.
@Set ManagedPath	If different than the default (**/sites**), the managed path within the Web application where you want the ControlPoint Configuration Site Collection to be created.
@Set OEmail=	The email address of the ControlPoint Administrator that will be used as the "from" account for email sent on behalf of ControlPoint
@Set OLogin=	The account that will become the Site Collection Administrator for the ControlPoint Configuration Site Collection in the appropriate format: ▪ For Windows authentication: domain\account_name. ▪ For Claims authentication: account name NOTE: Leave the %ClaimsPREFIX% portion of the string unchanged.
@Set ControlPointInstallAccount=	The account used to install ControlPoint (in the format domain\account_name).
@Set ApplicationServiceAccount=	The application pool account running the Web application where the ControlPoint Configuration Site Collection will be installed.
@Set AxcelerOperationsAccount=	N/A (You can ignore this parameter, as it is only used for Dedicated Online installations.)
@Set DBServer=	The SQL server that will host the ControlPoint Service (xcAdmin) database.
Only If Using SQL Authentication:	
@Set UseSQLAuthentication=	true
@Set SQLPwd=	The login credentials for authentication to the SQL server.

For the parameter ...	Use ...
	If you are using SQL Authentication and do not want the password specified in the file, leave the @SQLPwd= parameter blank and you will be prompted for it during installation.

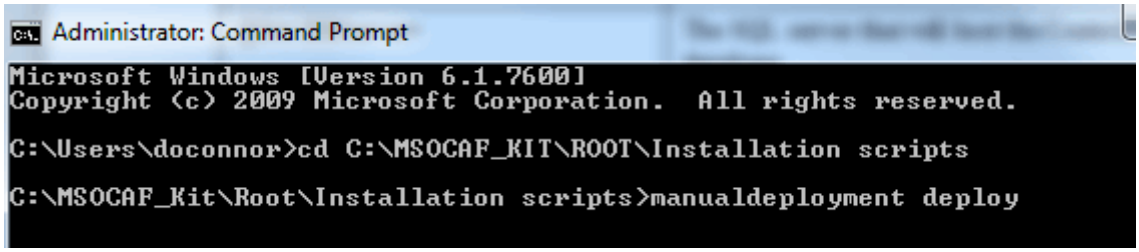
To run the installer:

1 Open a command window using Run as administrator.



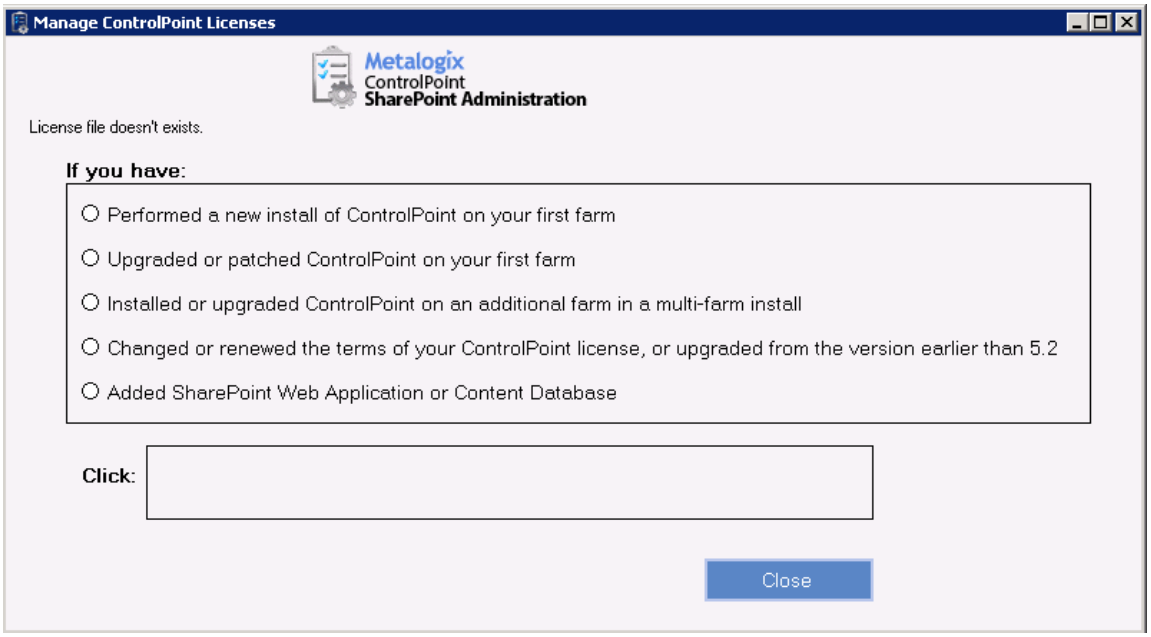
2 Make sure the directory is set to the location of the Installation scripts folder.

3 Type the following string at the command prompt: **ManualDeployment deploy**.



4 Click <Enter>.

The progress of the installation is recorded in the command window. When it has completed, the Manage ControlPoint Licenses dialog displays.

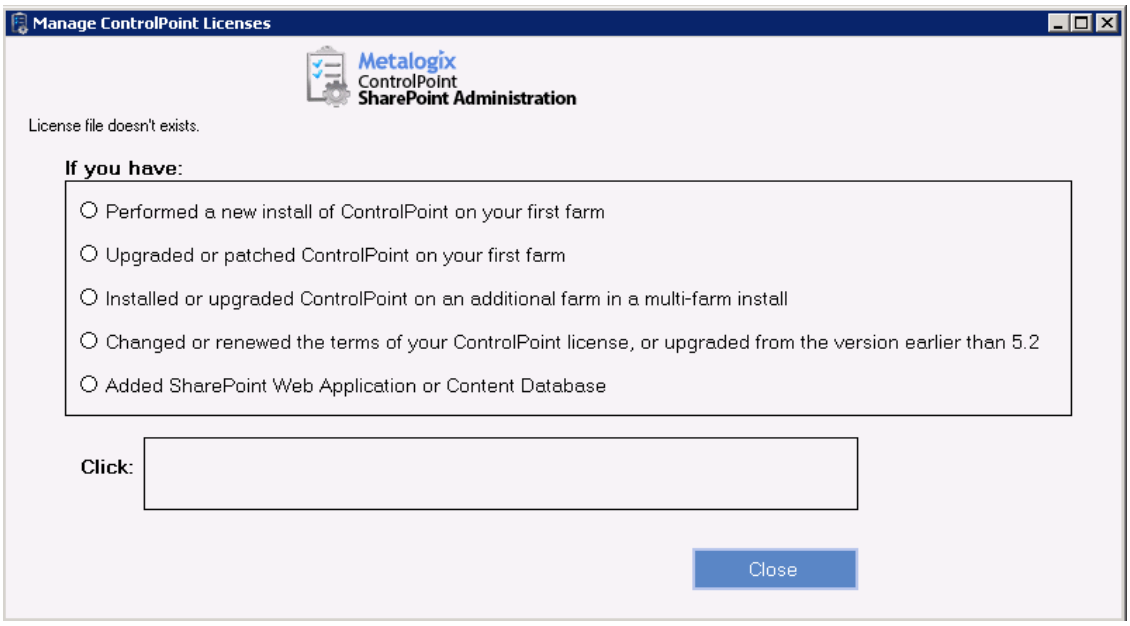


Continue with Activating ControlPoint.

NOTE: If you want to activate the application at a later time, click **[Close]**. When you are ready to activate ControlPoint, you can invoke this dialog at a later time. Be aware, however, that until you activate ControlPoint you will be unable to use it.

Activating ControlPoint

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



If you chose not to activate ControlPoint immediately, you can invoke this dialog:

- by running xcClient.exe, which is located in the folder Native_Kit/Installation scripts

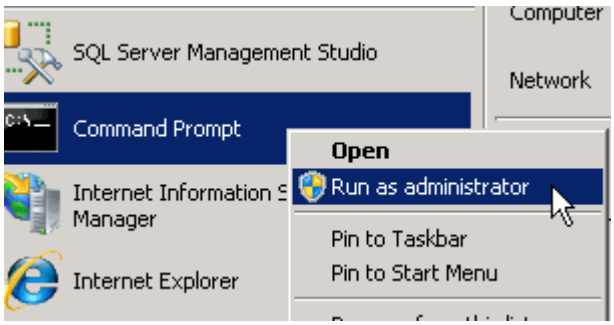
OR

- from a command line, as described below.

NOTE: 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.

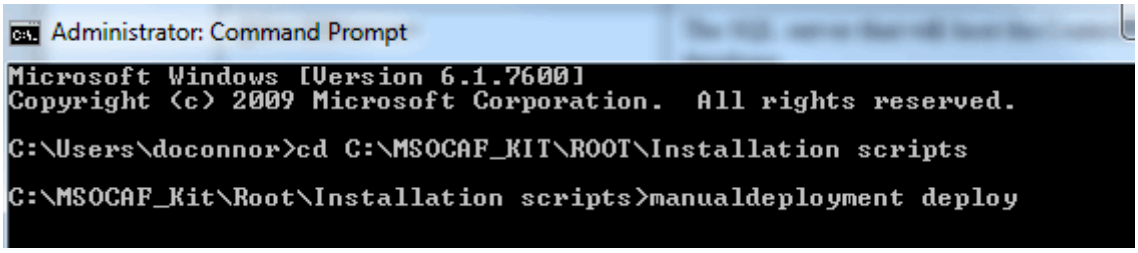
To invoke the Manage ControlPoint Licenses dialog from a command line:

1 Open a command window using Run as administrator.



2 Make sure the directory is set to the location of the Installation scripts folder.

3 Type the following string at the command prompt: **ManualDeployment license**.



4 Click <Enter>.

The progress of the installation is recorded in the command window. When it has completed, the Manage ControlPoint Licenses dialog displays.

Next Steps

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
- when upgrading from a version older than 5.2 (to convert your existing ControlPoint license to a new Metalogix license).

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.*

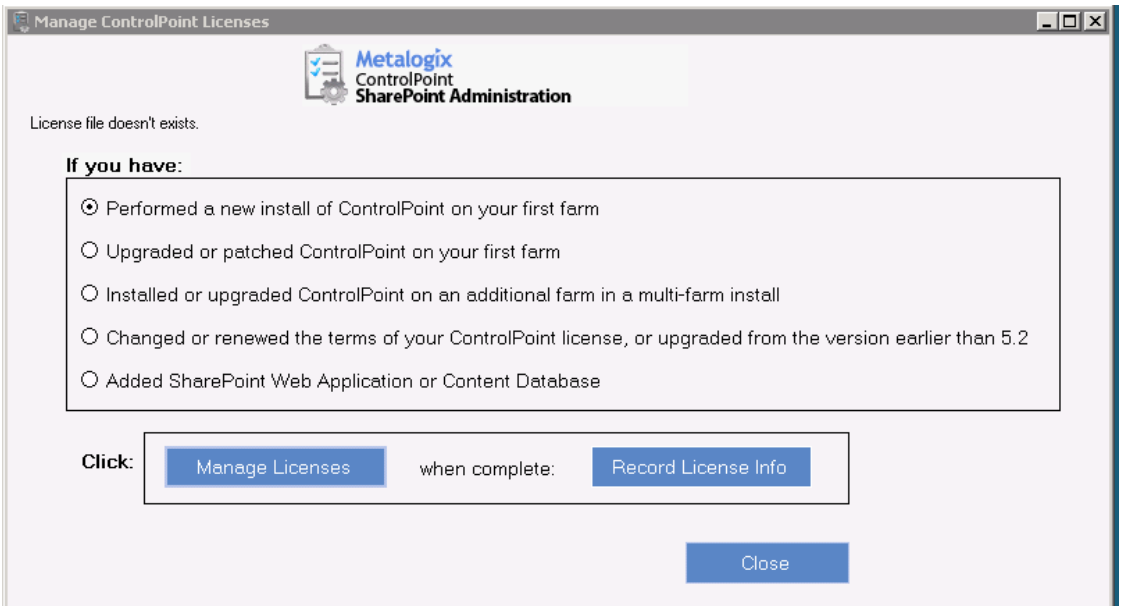
The conventional way to activate ControlPoint is over the Internet, using the procedure for Activating Your License Online.

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.



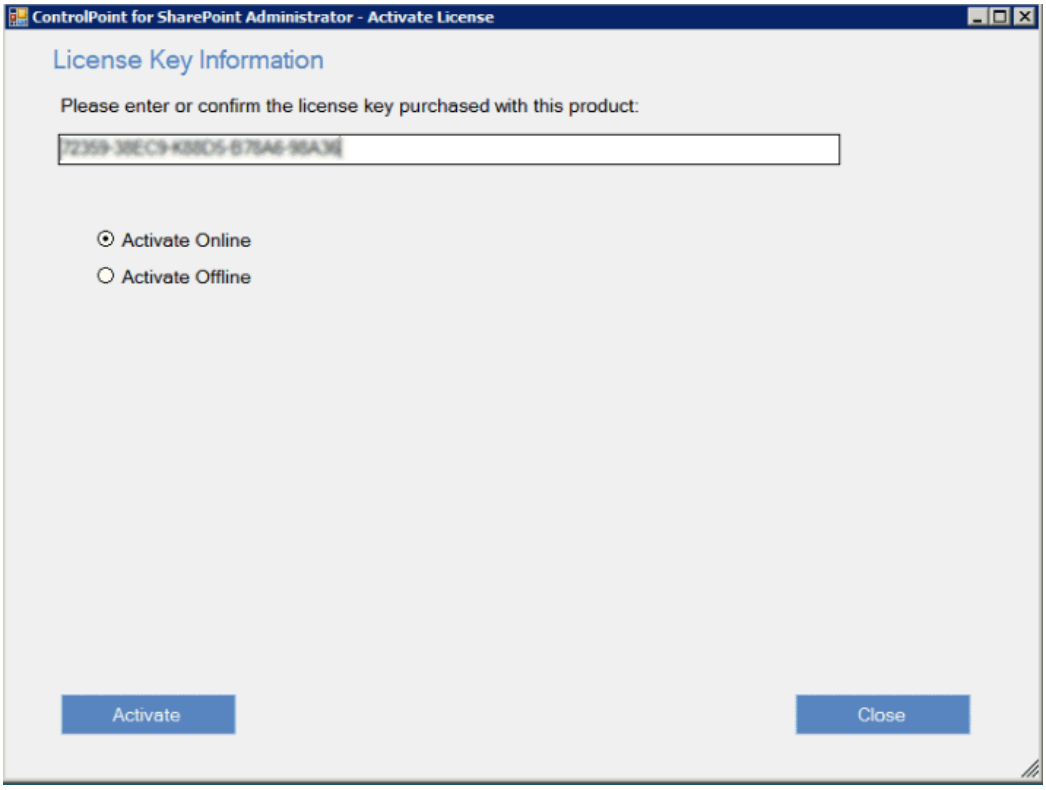
2 Click [Manage Licenses] to display the **Activate License** dialog.

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 Enter the license activation key provided by Metalogix.

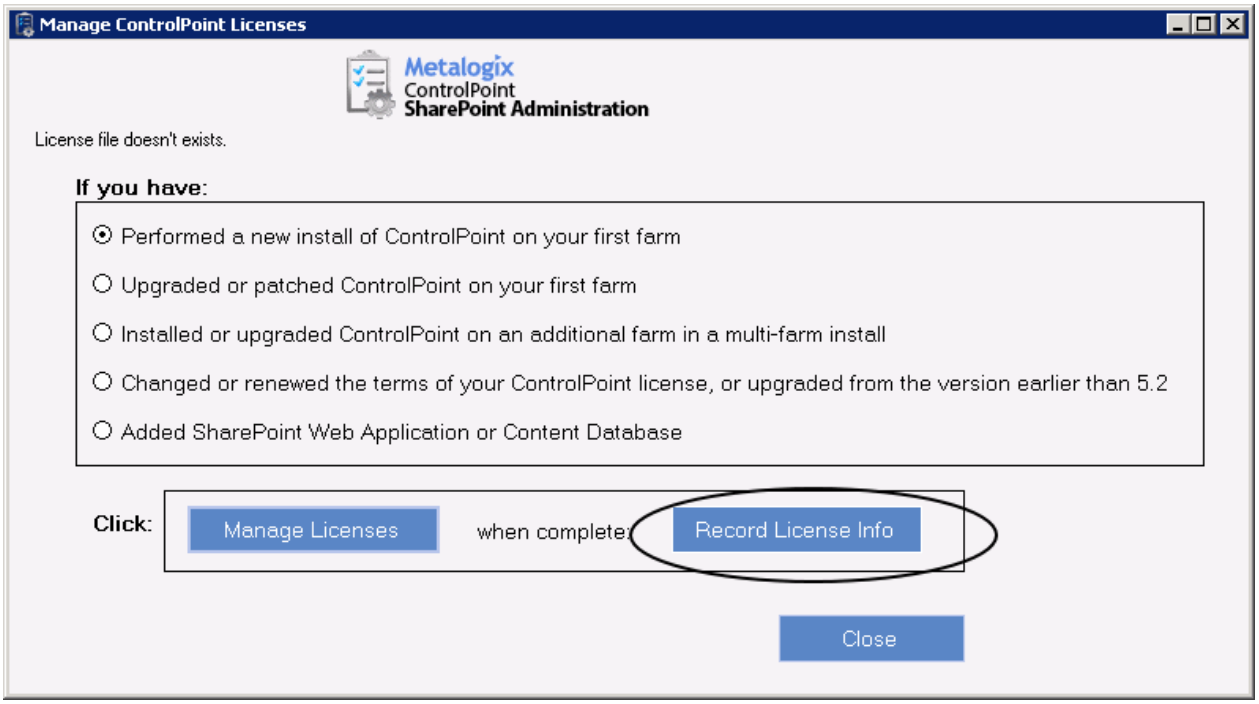
NOTE: If you are upgrading from a version earlier than 5.2, the license key field will already be populated with your current ControlPoint license.



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*.

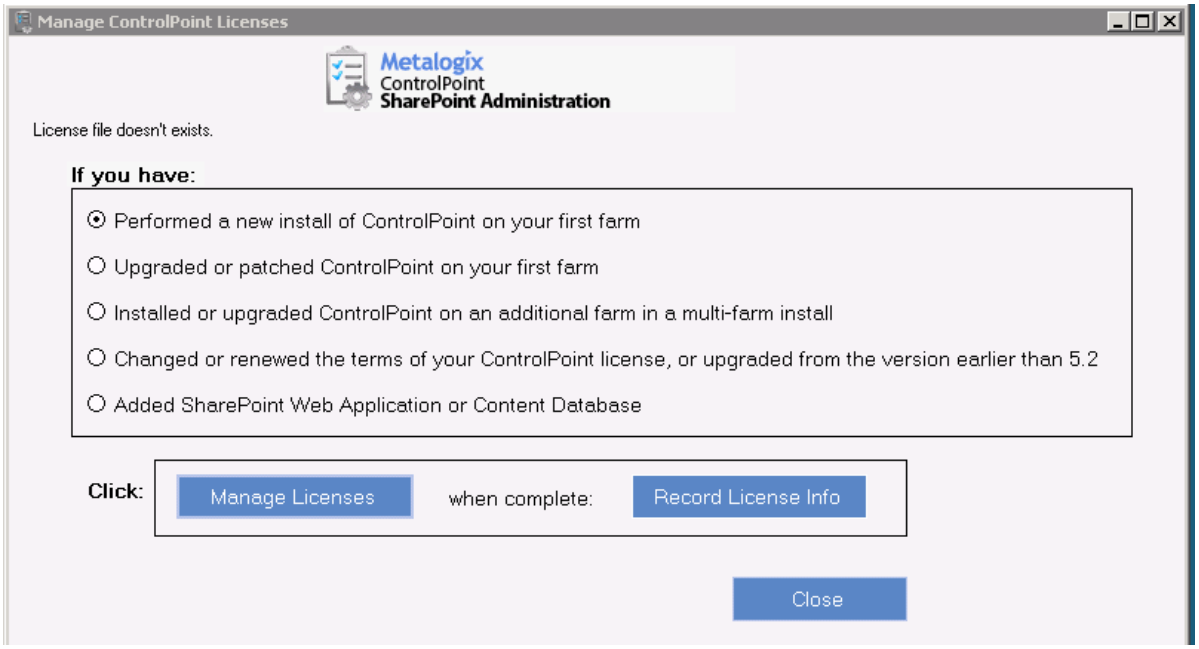
Activating Your License Without Internet Access

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.

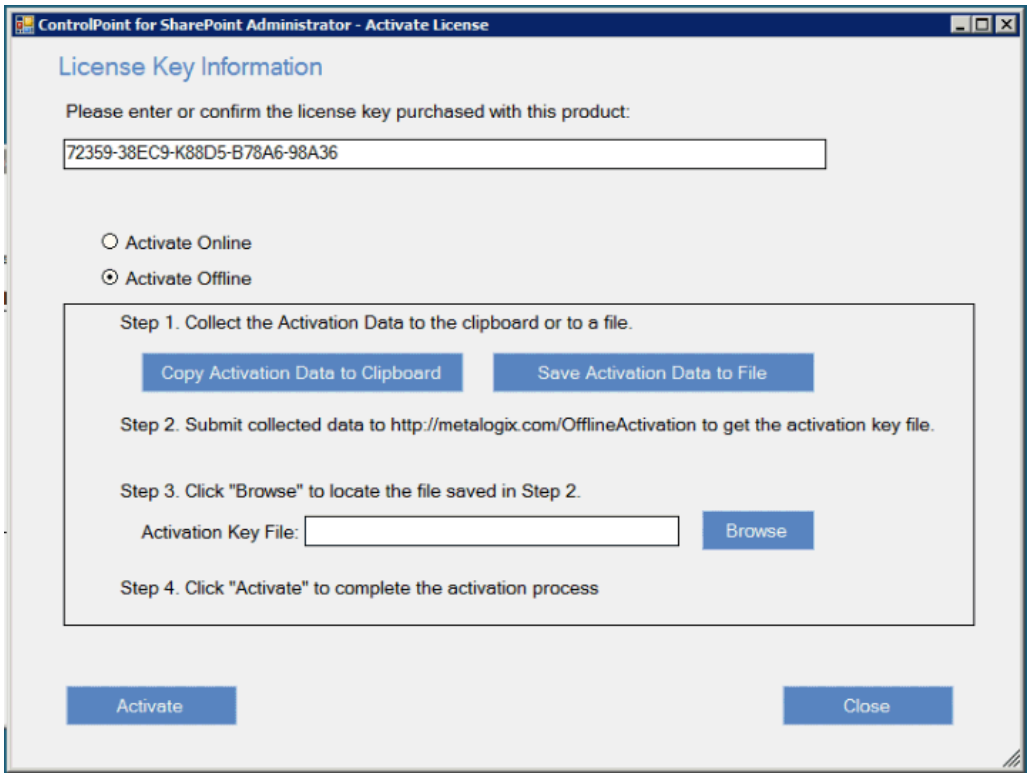


2 Click **[Manage Licenses]** to display the **Activate License** dialog.

3 Enter the license activation key provided by Metalogix,

NOTE: If you are upgrading from a version earlier than 5.2, the license key field will already be populated with your current ControlPoint license.

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.

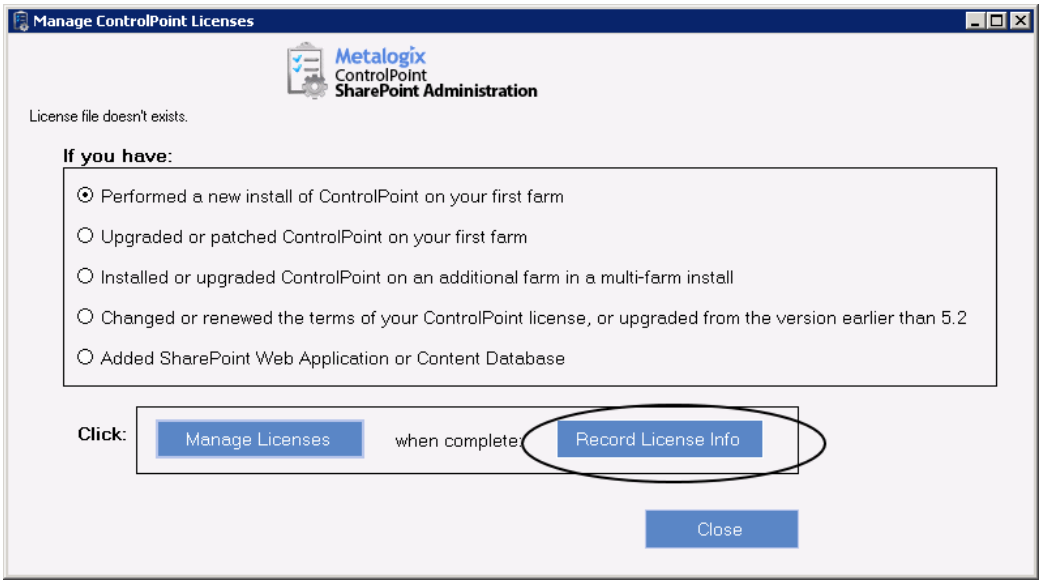
When your activation key is returned, you have the option of copying it to the clipboard or saving it to a data file. Make sure that you choose the option to save to a data file option as it is the only method that Activate License dialog allows.

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 ContrlPoint 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:

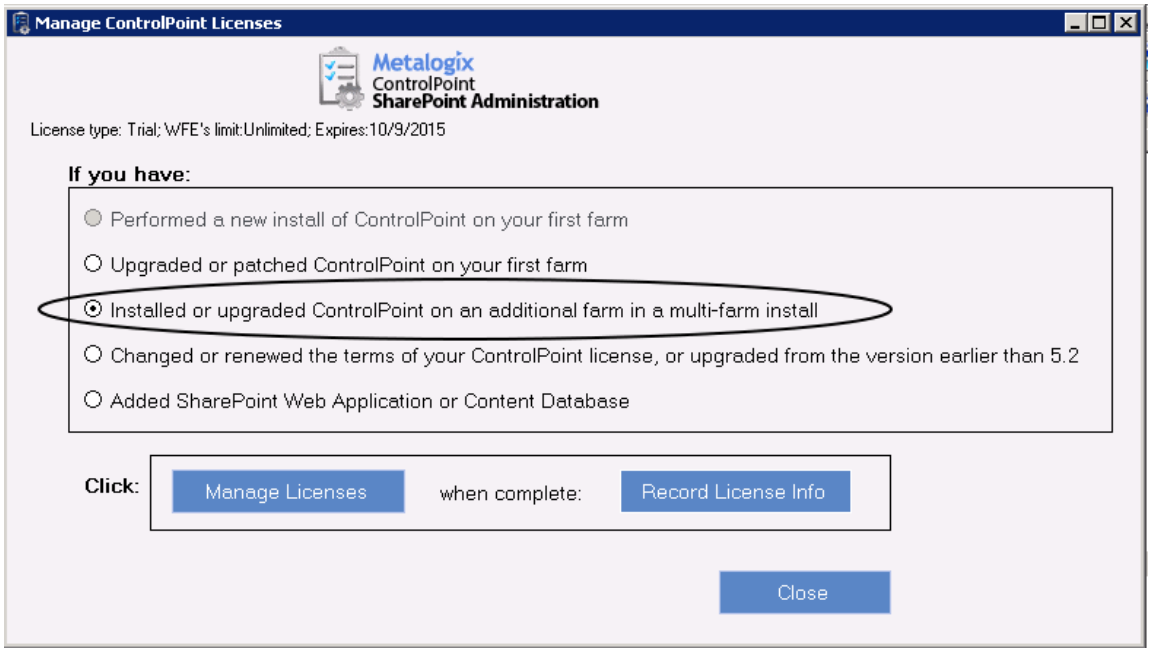
- The polices on all existing Web applications are set to grant the ControlPoint Service Account Full Control access.

- 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:

- 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).
- Update ControlPoint Settings.

Updating ControlPoint Settings

Before ControlPoint can be launched, a number of settings must be configured in the ControlPoint Configuration Site Collection for your environment.

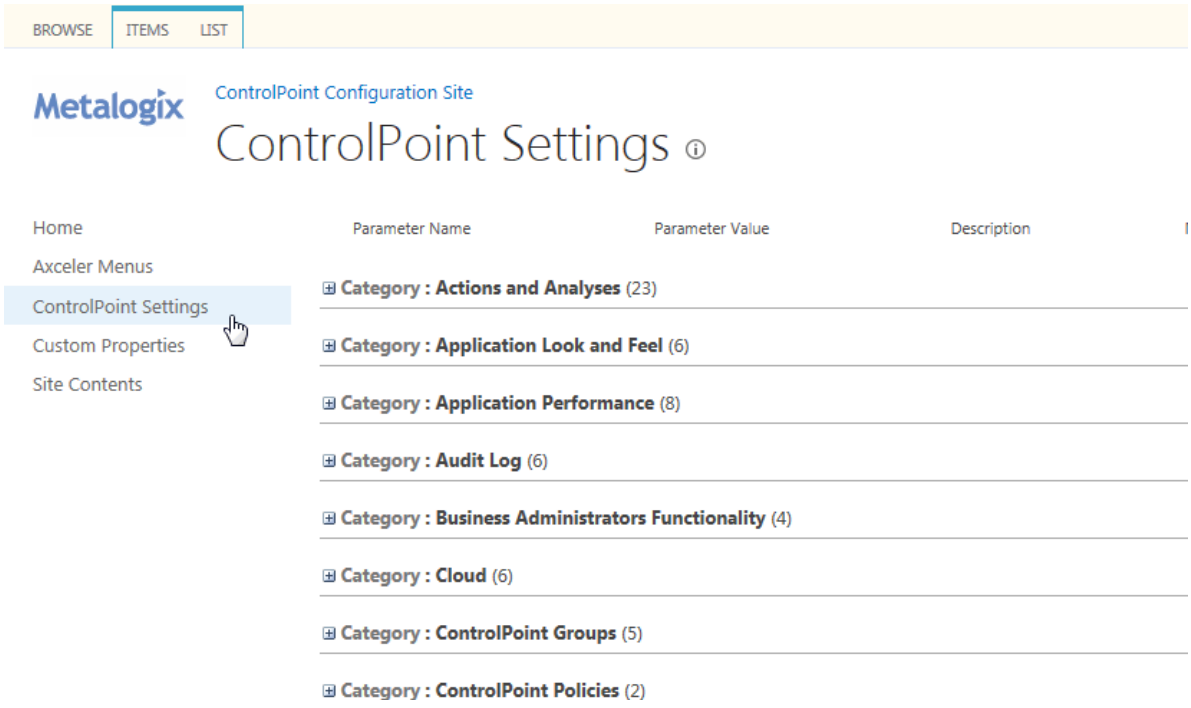
To open the ControlPoint Settings list:

1 Open a browser session.

2 Enter **http** (or **https**)://<*machine_name*>:<*port_number*>/<*managed_path*>/**cpconfig**.

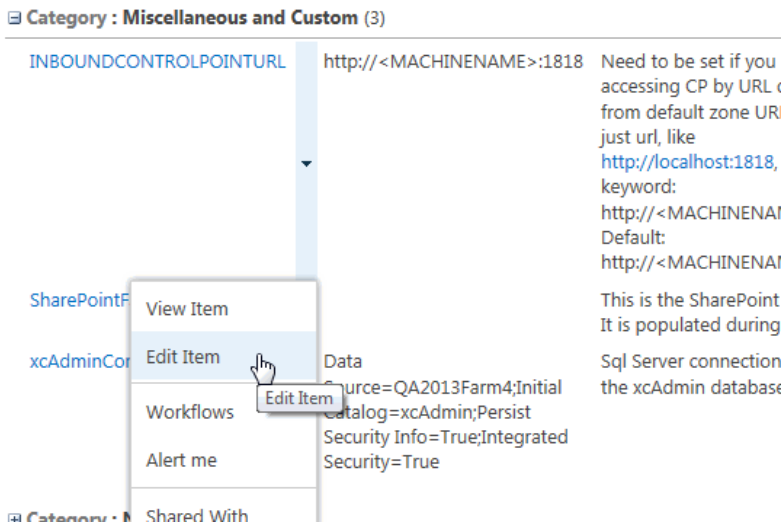
(where <*machine_name*> is the SSL string used to connect to the server machine on which ControlPoint is installed, <*port_number*> is the port number of the Web application within which ControlPoint was insstalled, and <*managed_path*> is the managed path used for the ControlPoint Configuration Site Collection).

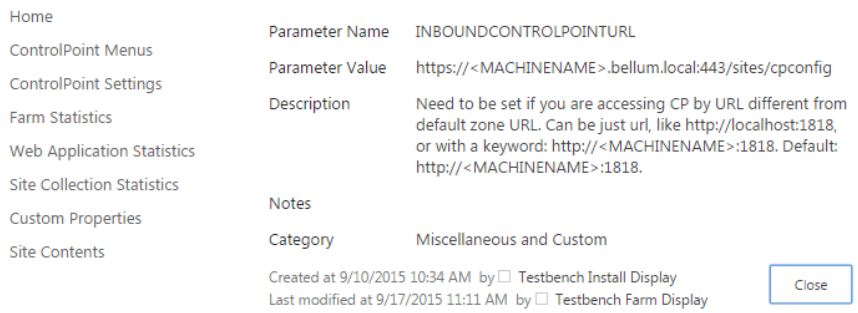
3 Open the **ControlPoint Settings** list.

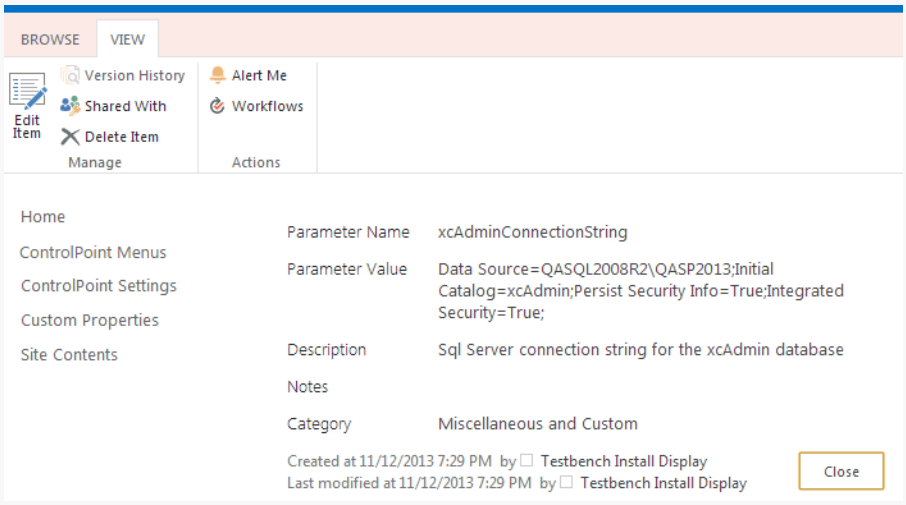


4 Expand the **Miscellaneous and Custom** section.

5 Enter the Value of each of the settings described in the following table.



Setting	Value
INBOUNDCONTROLPOINTURL	**https://**<MACHINENAME>:<port_number>/<managed_path>/**cpconfig** (where <*port_number*> is the port number of the Web application within which ControlPoint was installed, and <*managed_path*> is the managed path used for the ControlPoint Configuration Site Collection.)  Note that the literal <MACHINENAME> should not be changed. It is a token that is replaced at run time.
xcAdminConnectionString (for SQL Server Authentication)	*If using SQL Server Authentication only*: Integrated Security =**False**

Setting	Value
	

Launching ControlPoint

To launch ControlPoint:

1 Open a browser session.

2 Enter the url, as follows:

- **In SharePoint 2010 environments**: http: (or https)://<machine_name>:<port_number>/<managed_path>/cpconfig/_layouts/Axceler/xcmain.aspx
- **In SharePoint 2013 or 2016 environments**: http: (or https) ://<machine_name>:<port_number>/<managed_path>/cpconfig/_layouts/15/Axceler/xcmain.aspx

(where <machine_name> is the server (or SSL string used to connect to the server) on which ControlPoint is installed, <port_number> is the port number of the Web application within which ControlPoint was installed, and <managed_path> is the managed path used for the ControlPoint Configuration Site Collection.

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.

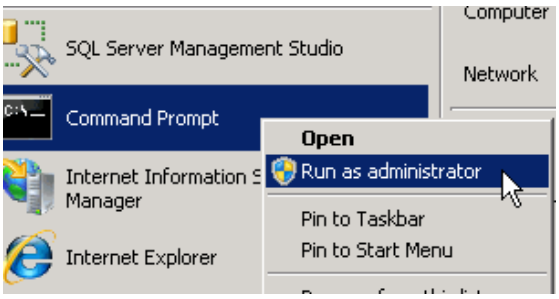
Additional ControlPoint Management Tasks

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*.

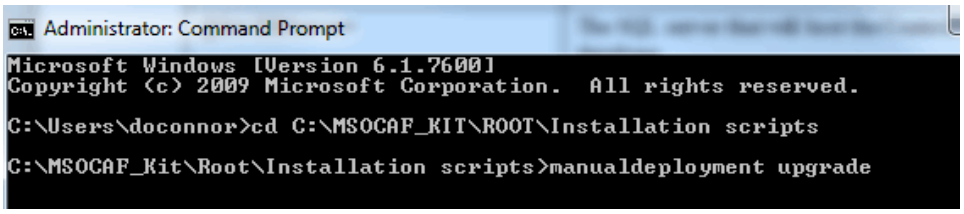
Upgrading a ControlPoint Native Installation

To upgrade a ControlPoint Native installation:

1. On the Web front-end server where ControlPoint was originally installed, navigate to the folder **Native_Kit\Installation scripts**.
2. Open a command window using Run as administrator.

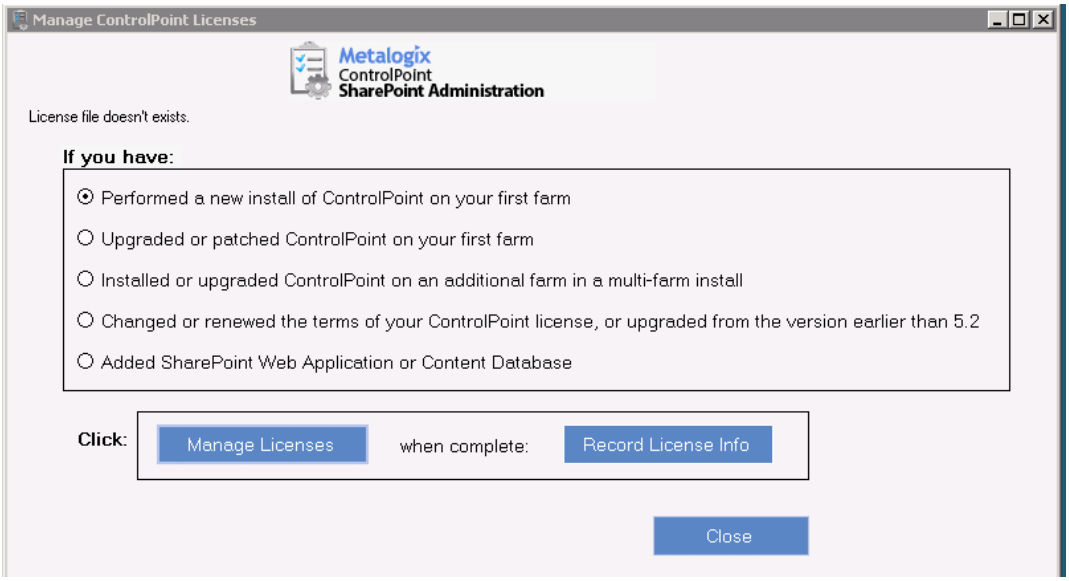


3. Make sure the directory is set to the location of the Installation scripts folder.
4. Type the following string at the command prompt: ManualDeployment upgrade.



5. Click <Enter>.

   The progress of the installation is recorded in the command window. When it has completed, the Manage ControlPoint Licenses dialog displays.



Continue with Updating Your ControlPoint License After a Software Upgrade or Maintenance Release.

NOTE: If you want to update the application at a later time, click **[Close]**. When you are ready to update your ControlPoint license, you can invoke this dialog as described in the topic Activating your ControlPoint License.

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 .as described in the topic Activating Your ControlPoint License.

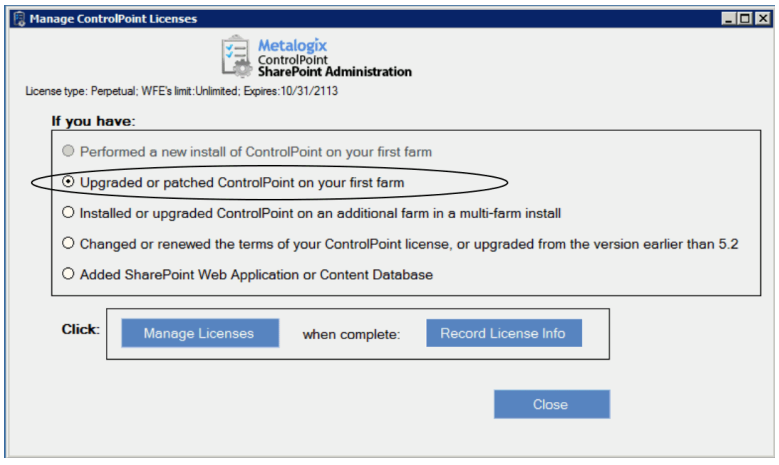
If you are activating ControlPoint at a later time, make sure that you log in using the same account that was used to install the application.

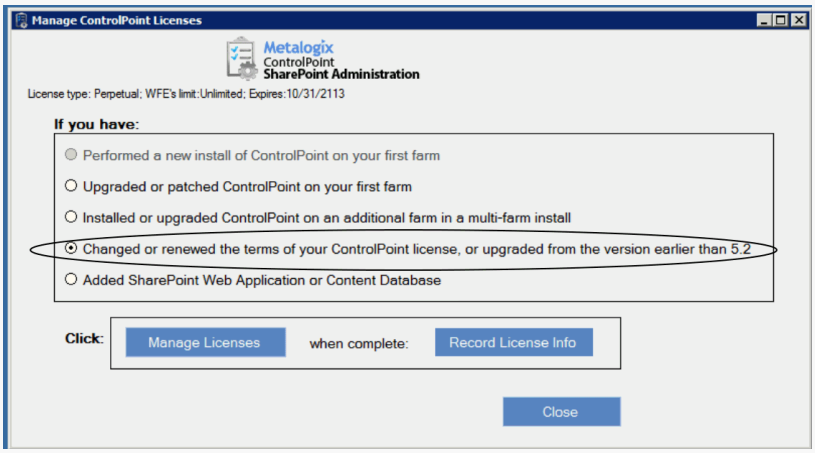
NOTE: You may need to "Run as Administrator" to invoke the dialog.

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.**

If you have ...	Then ...
	

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.