

Metalogix® ControlPoint 8.7

**for Office 365 Administration Guide**



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Metalogix® ControlPoint  
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# Preface

This guide contains detailed information about configuring, managing, and troubleshooting the ControlPoint application.

## Audience

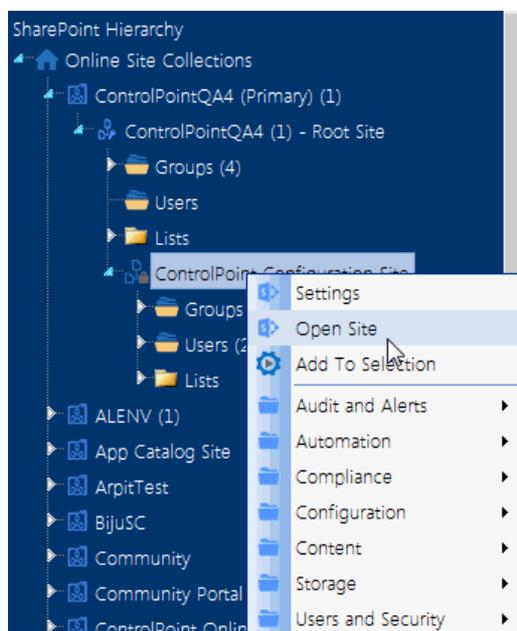
The *Metalogix ControlPoint Administration Guide for Office 365* is intended for **ControlPoint Application Administrators** (that is, SharePoint administrators who also have responsibilities for managing ControlPoint configuration and permissions).

# The ControlPoint Configuration Site

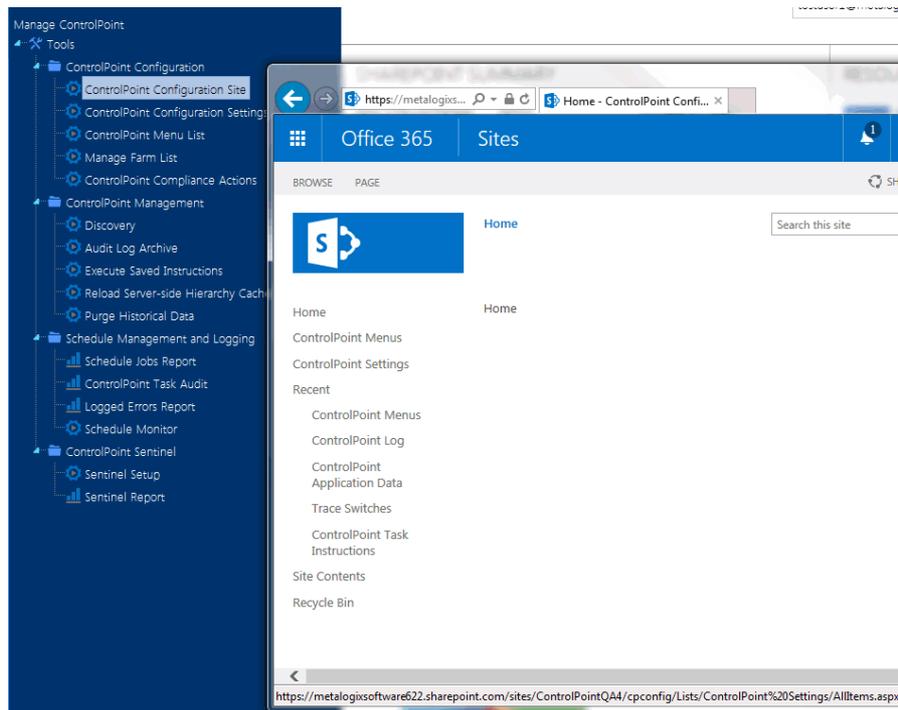
The ControlPoint Configuration site is a SharePoint site that is integral to your ControlPoint installation. This site is used primarily by ControlPoint Application Administrators for managing ControlPoint configuration and settings.

## To access the ControlPoint Configuration Site home page:

- from the SharePoint Hierarchy panel, by right clicking the ControlPoint Configuration Site - Root Site and choosing **Open Site**.



- from the Manage ControlPoint panel by choosing **ControlPoint Configuration > ControlPoint Configuration Site**.



# Managing Your Farm List

If you have permissions to manage the ControlPoint farm list, you can:

- edit one of the following attributes:
  - the name that displays in the SharePoint Hierarchy and selection trees, and/or
  - in a multi-farm environment, the url used when switching farms from the ControlPoint application header.
- delete farms that you have decommissioned or no longer manage through ControlPoint.  
Note that when you choose the delete a farm from the list, you can also choose whether or not to delete farm-related data (log files and cached data).

## To Manage Your Farm List:

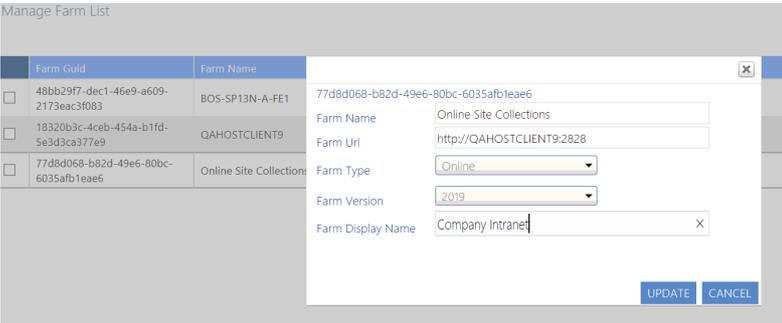
- 1 From the Manage ControlPoint panel, choose **Manage Farm List**.

Manage Farm List ?

	Farm Guid	Farm Name	Farm URL	Farm Type	Farm Version	Farm Display Name
<input type="checkbox"/>	48bb29f7-dec1-46e9-a609-2173eac3f083	BOS-SP13N-A-FE1	https://bos-sp13n-a-fe1.axcelertest.local:8	Native	2013	
<input type="checkbox"/>	18320b3c-4ceb-454a-b1fd-5e3d3ca377e9	QAHOSTCLIENT9	http://qahostclient9:	Standard	2016	
<input type="checkbox"/>	77d8d068-b82d-49e6-80bc-6035afb1eae6	Online Site Collections	http://QAHOSTCLIEN	Online	2019	

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

If you want to ...	Then ...
change the Farm Display Name and/or url	<ul style="list-style-type: none"> <li>• Check the box to the left of the farm you want to edit, then click <b>[Edit]</b>.</li> </ul>

If you want to ...	Then ...
	 <p>• Update the applicable field(s).</p> <p>• Click <b>[Update]</b>.</p> <p>NOTE: If the Farm Display Name is left blank, ControlPoint will always display "Online Site Collections" for SharePoint Online tenants.</p>
delete the farm	<p>• Click <b>[Delete]</b>.</p> <p>A pop-up dialog displays, asking you to delete the farm.</p> <p>To delete the farm, click <b>[Yes]</b>.</p> <p>A second pop-up dialog displays, asking whether you want delete farm-related data from the ControlPoint database.</p> <p>• Click the appropriate option.</p>

Changes will be visible the next time the browser is refreshed.

# Managing Your ControlPoint License

If your ControlPoint license key begins with the digits **726**, the product is licensed according to the number of SharePoint users in your farm and/or SPO tenancy.

If the first three digits are **723** (which is a "legacy" license issued prior to version 8.2), it is licensed according to *both* the number of SharePoint users *and* the number of farms and/or SPO tenancies being managed with ControlPoint.

## Renewing or Changing the Terms of Your ControlPoint License

Use the following procedure if you need to:

- extend the period of an evaluation license
- update your ControlPoint license to include additional SharePoint users
- upgrade from an evaluation version to a full version of ControlPoint, or
- reactivate a license that has expired or is about to expire.

### To change the terms of a ControlPoint license:

- 1 [Contact Quest](#) and request a license update.
- 2 From the left navigation pane, choose **LICENSE**.

726 License	723 License
<p><b>License Info</b></p> <p>License Owner: Metalogix Toronto Test</p> <p>License Status: <b>Valid</b></p> <p>License Type: Perpetual</p> <p>License Key: 72611-72611-72611-72611-72611 <span>Reactivate License</span></p> <p>Maintenance Expiration Date: 10/1/2113</p> <p>License Expiration Date: Perpetual</p> <p>Managed Persons Licensed: 2113</p>	<p><b>License Info</b></p> <p>License Owner: Axceler QA</p> <p>License Status: <b>Valid</b></p> <p>License Type: Perpetual</p> <p>License Key: 72311-72311-72311-72311-72311 <span>Reactivate License</span></p> <p>Maintenance Expiration Date: 10/31/2113</p> <p>License Expiration Date: Perpetual</p> <p>Farms Licensed: 5</p> <p>Managed Persons Licensed: 723</p>

The License Status may be one of the following:

Valid

Expired

Disabled

## To reactivate a license:

- 1 Click the **[Reactivate License]** button to the right of the **License Key** field to display the Change License Key dialog.
- 2 If you have received a new license key, overwrite the existing license in the **License Key** field.
- 3 Use the information in the following table to determine the appropriate action to take.

If ....	Then ...
you have internet access and want to activate your license updates online.	make sure the <b>Activate Online</b> radio button is selected.
you do not have internet access and/or want to activate your license offline	<p>select the <b>Activate Offline</b> radio button and follow the instructions that display in the dialog to complete the activation process.</p> <div data-bbox="651 898 1310 1339" data-label="Image"> </div> <p><b>NOTE:</b> Because the request for the Activation Data must be submitted via the Quest website, the request itself must be submitted from a machine that has internet access. The Activation Data can then be copied to the server that hosts ControlPoint.</p>

- 4 Click **[Activate]**.

---

# Setting Up ControlPoint Services

Toward the end of ControlPoint configuration process you have the option to configure the following Windows service(s):

- The **ControlPoint Discovery Service**, which collects data and stores it in the ControlPoint Services (xcAdmin) database cache for use in ControlPoint data analysis and reporting.

AND/OR

- If Sensitive Content Manager is installed in your environment, **ControlPoint Sensitive Content Manager (SCM) Services** will allow you to use it within ControlPoint:
  - as a means of checking for:
    - Content Analysis (CA) jobs ready to be uploaded from ControlPoint to Sensitive Content Manager for scanning.

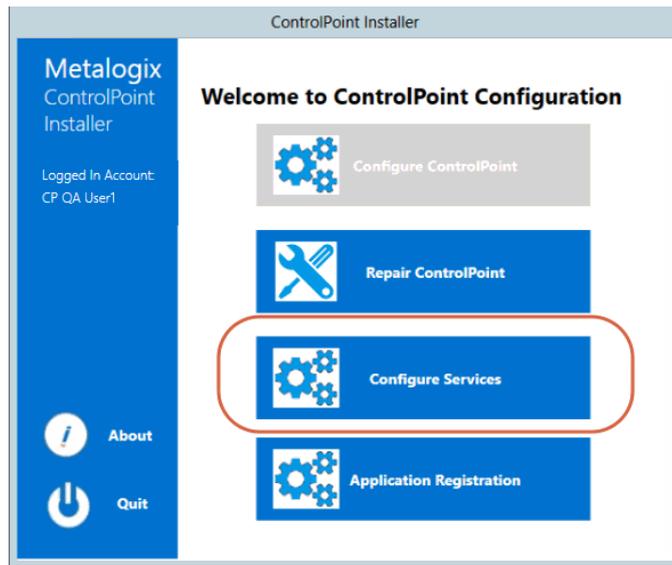
AND

- Scan results ready to be downloaded from Sensitive Content Manager to ControlPoint for further action.

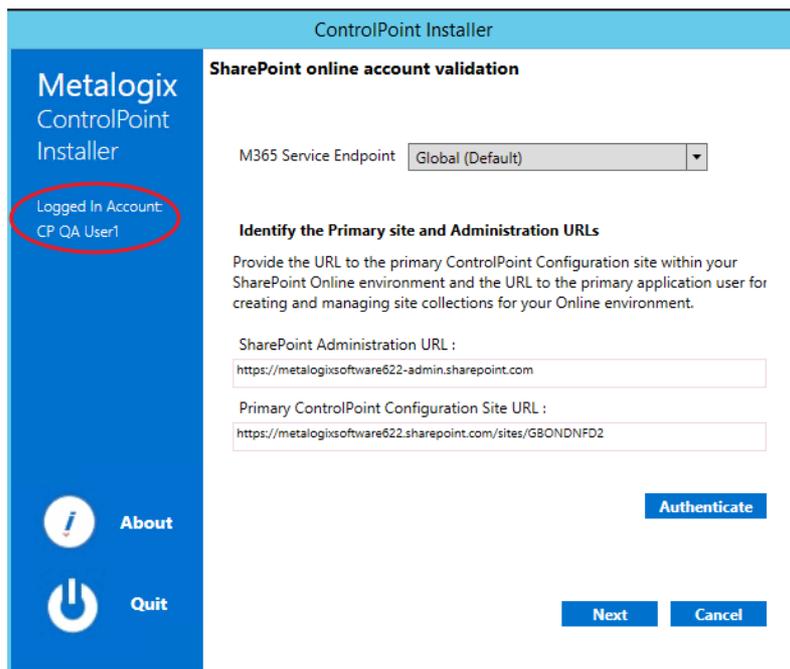
AND

- Because they support multi-threading, SCM Services are especially suited to very large content analysis jobs.

NOTE: If you want to configure services at a later time, you can do so by launching the Configuration Wizard from the server on which ControlPoint is installed (using the same on premises and O365 login accounts used to install the ControlPoint application). After you have verified the Wizard has finished checking installed components, select **Configure Services**.

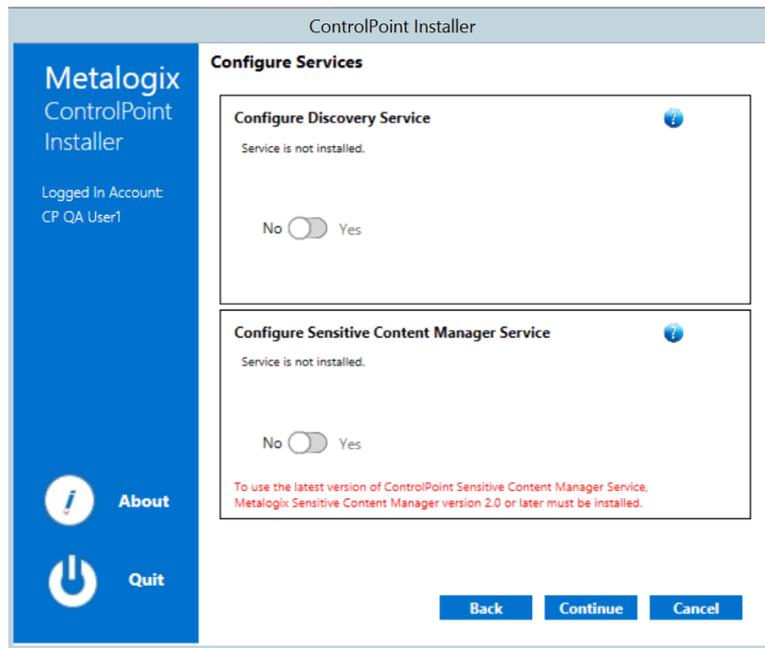


If you do choose to perform this action at later time, you will be prompted to complete the **SharePoint online account validation dialog** and authenticate using the Office 365 account used at the time ControlPoint was installed (which must be a Global Administrator for the tenant).



## To configure ControlPoint Services:

- 1 On the Configure Services dialog, select the service(s) you want to configure.

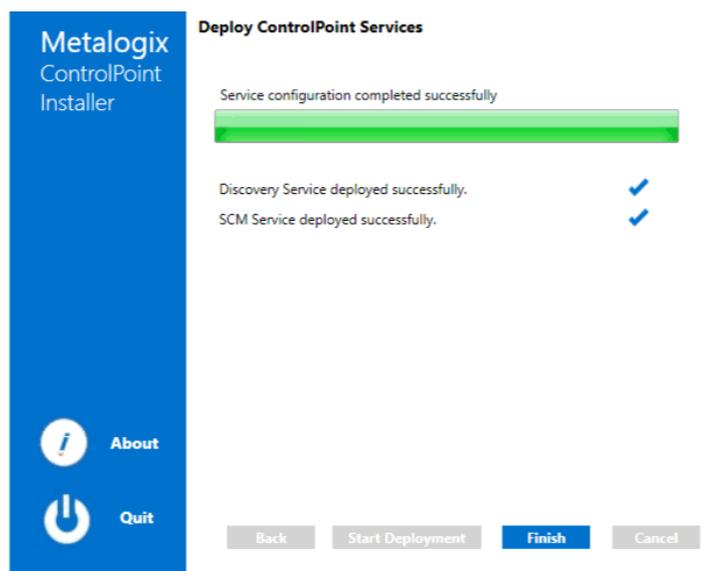


**IMPORTANT:**

- The Service Account must meet all of the requirements of the ControlPoint Service Account, as well as permission to **Run as a Service**.
- Keep in mind that the latest version of ControlPoint Sensitive Content Manager Service will only work with version 2.0 or later of Metalogix Sensitive Content Manager.

- 2 Select the service(s) you want to configure.
- 3 Click **[Continue]**.
- 4 Click **[Start Deployment]**.

The installer deploys the selected Windows service(s).



- 5 When the services have been successfully deployed, click **[Finish]**.

## Additional Setup Requirement for the ControlPoint Discovery Service

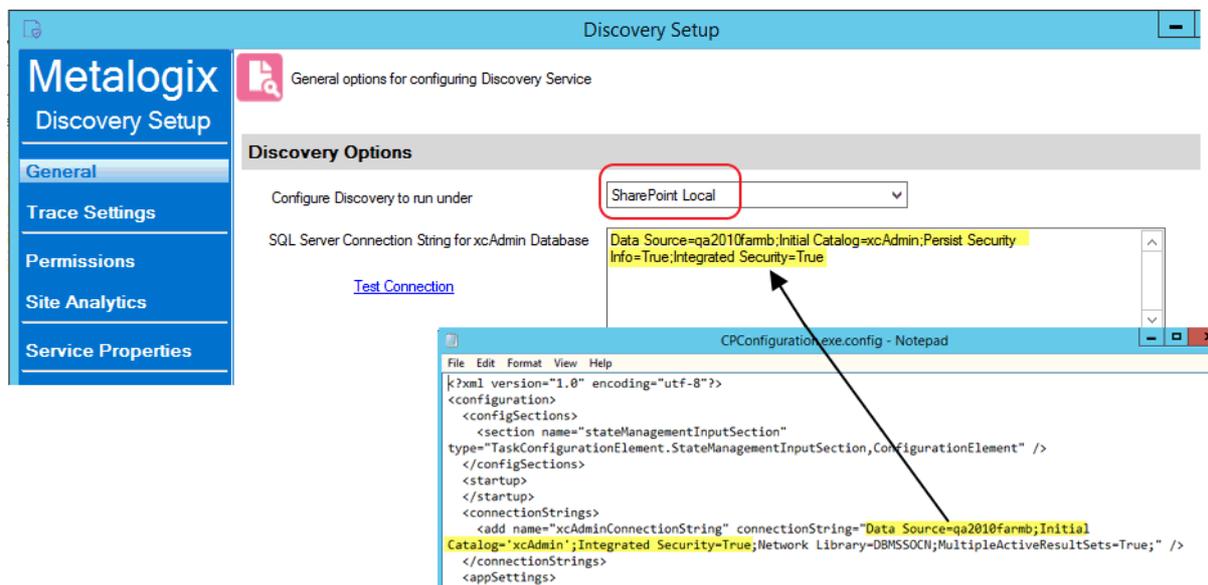
Before you can use the ControlPoint Discovery Service for the first time, you must also perform the following configuration tasks on the General tab of the Discovery Setup application (located, by default, in the folder `C:\Program`

`Files\Metalogix\ControlPointOnline\ControlPointFeatures\Services\Discovery`):

- For **Configure Discovery to run under**, select **SharePoint Local**, and
- Add the **SQL Server Connection String for xcAdmin Database**.

NOTE: You can copy the Connection String from the file **CPConfiguration.exe.config**, located, by default, in the folder `C:\Program`

`Files\Metalogix\ControlPointOnline\ControlPointFeatures`. Use the portion of the string that starts with the words **Data Source** and ends with **Integrated Security = <value>**.



### IMPORTANT: Before Services Can be Run:

Before you can run Discovery and Sensitive Content Manager services, make sure that:

- TLS version 1.2 is enabled on the server where the services are installed

AND

- the .NET Framework is [configured to support strong cryptography](#) (via the Windows Registry setting **SchUseStrongCrypto**).

Refer to the following Microsoft articles for complete details.

- [Transport Layer Security \(TLS\) best practices with the .NET Framework](#)
- [How to enable TLS 1.2](#)

---

## Using Discovery to Collect Information for the ControlPoint Database Cache

ControlPoint Discovery is a tenant-specific background task that collects information and stores it in the ControlPoint Services (xcAdmin) database cache for use in ControlPoint data analysis and reporting.

- for use in ControlPoint data analysis and reporting
- to populate and update statistics lists used to create dashboards.

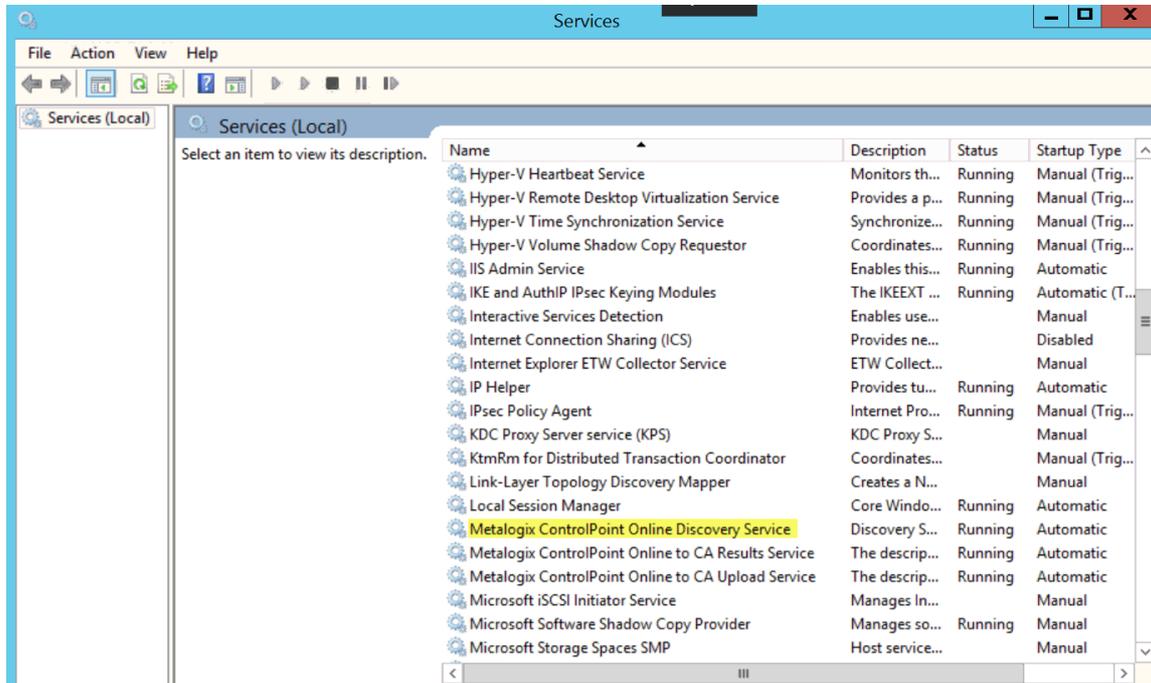
Discovery is triggered by the ControlPoint Discovery Service to run on a pre-defined schedule.

If you want to ensure that your ControlPoint analyses have the most recent cached data—you can [run the Discovery process interactively from the ControlPoint application](#). The ControlPoint installer includes the option to configure the Discovery Service.

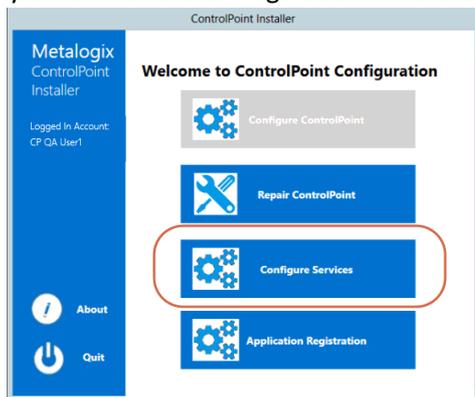
If the ControlPoint Discovery Service is not installed, the operations and parameters that rely on cached data collected by Discovery are disabled.

# Using the Discovery Service

The ControlPoint Discovery Service runs as a Windows Service, and is especially suited to very large SharePoint environments as Discovery run time can be significantly reduced.



The ControlPoint Discovery Service can be configured at the time ControlPoint is installed or upgraded, or at any time when the Configuration Wizard is launched. See [Configuring ControlPoint Services](#) for



details.

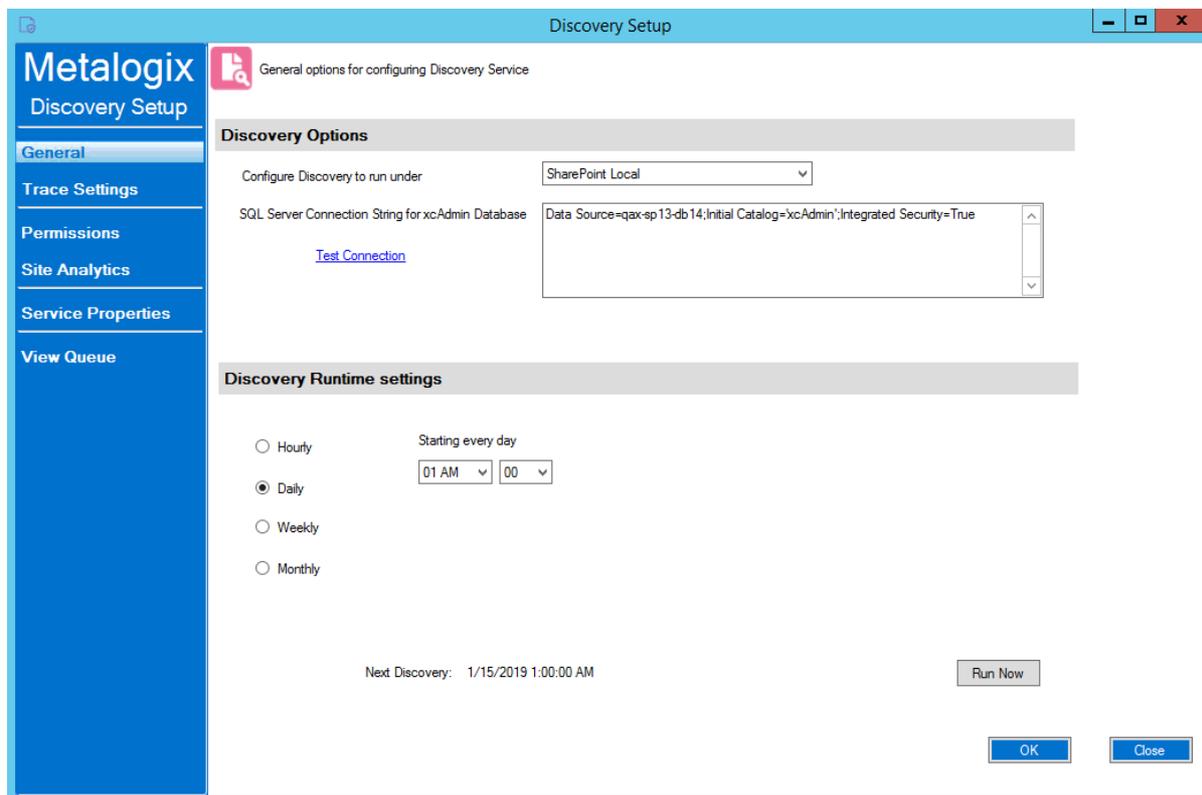
## Launching the Discovery Setup Application

You can use the Discovery Setup Application to

- [change Discovery Service configuration and settings](#)
- [start or stop the Metalogix ControlPoint Discovery Service](#)
- [monitor the Discovery Service Queue](#)

## To launch the Discovery Setup application:

- 1 Navigate to the location where the Discovery Service files reside (by default, `C:\Program Files\Metalogix\ControlPoint Online\ControlPointFeatures\Services\Discovery`)
- 2 Open **DiscoverySetup.exe** (using the **Run as Administrator** option).



## Changing Discovery Service Configuration and Settings

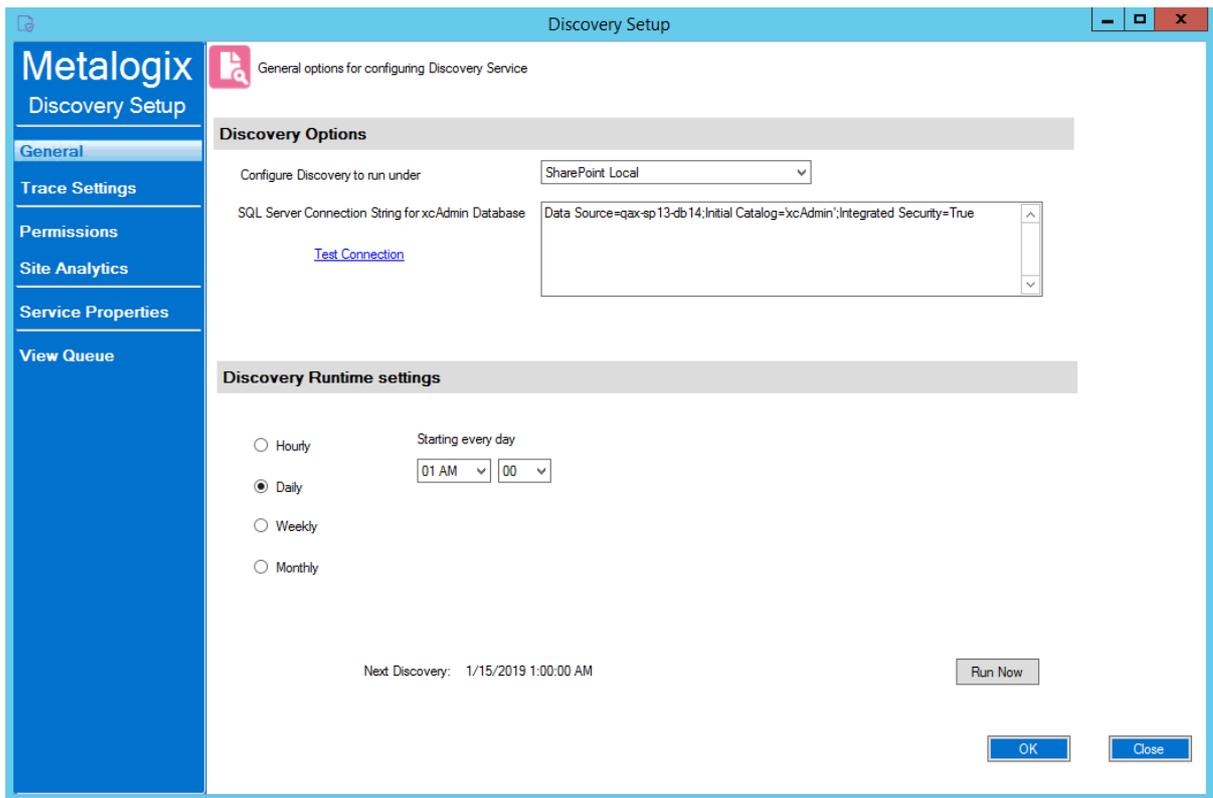
From the Discovery Setup application, you can change the Discovery Service Configuration and Settings described below.

**IMPORTANT:** After making any changes, remember to click **[OK]** to save them.

### General Options

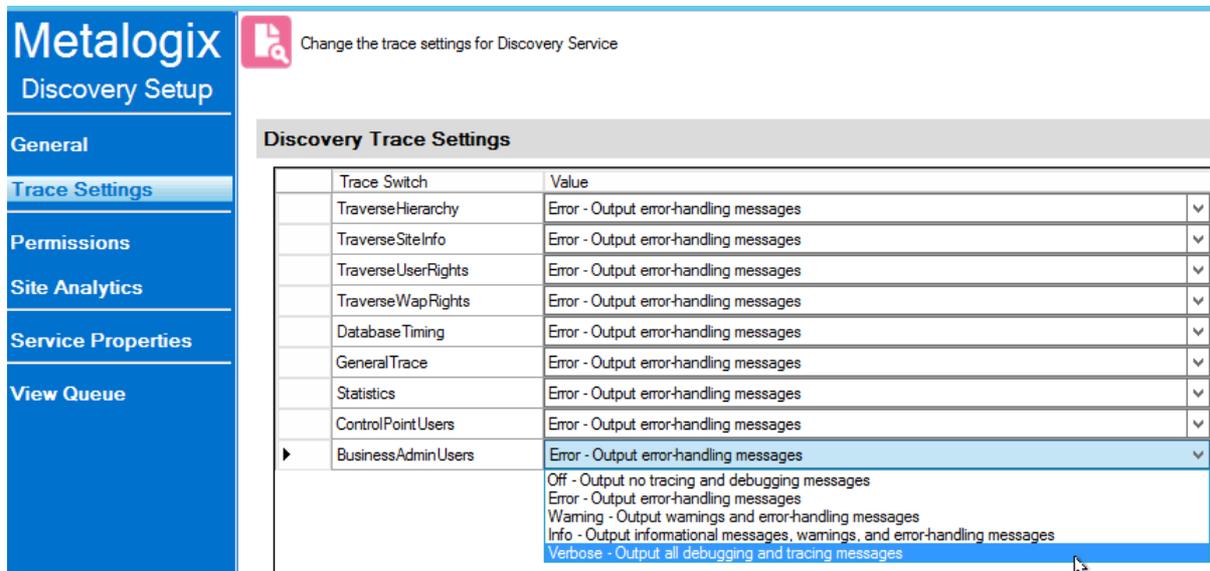
If you want to change **Discovery Runtime settings**, (by default, every night at 1 am, local server time), adjust as necessary.

NOTE: The Discovery Options (**Configure Discovery to run under** and **SQL Server Connection String for xcAdmin Database**) are specified at the time [ControlPoint Services are configured](#), and normally should not be changed.



## Trace Settings

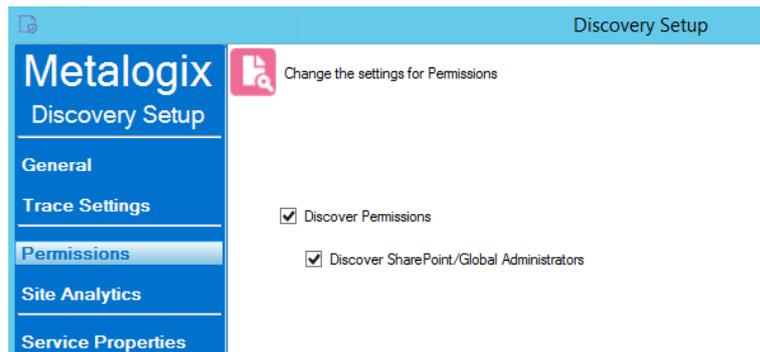
You can use the **Discovery Trace Settings** drop-downs to change the level of logging for individual Discovery components.



## Permissions and Site Analytics (Include/Exclude Options)

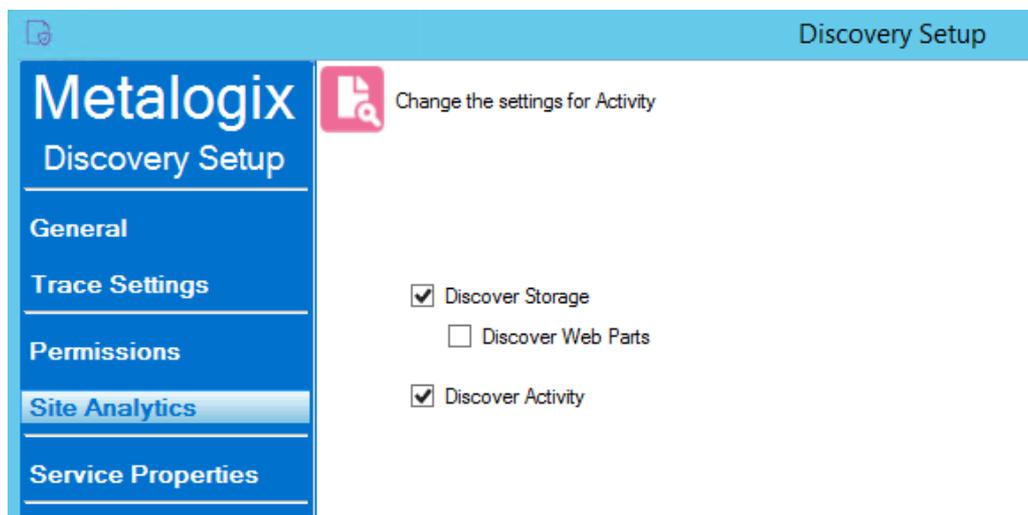
You can include/exclude the following individual components from the Discovery process:

- **Permissions - Discover Permissions**



- **Discover Permissions** (for analyses using cached data)
- **Discover SharePoint/Global Administrators** (that is, the SharePoint permissions of members of the SharePoint Administrators or Global Administrators group in Office 365)

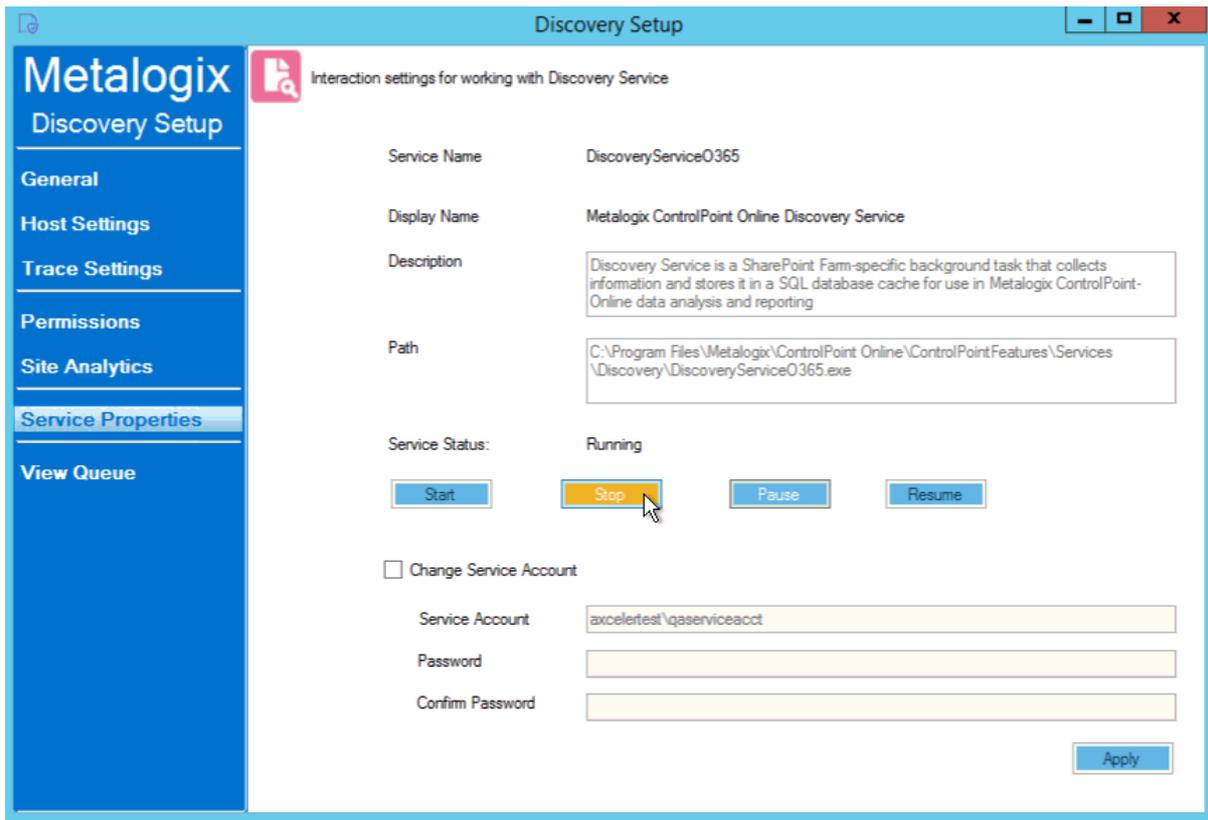
- **Site Analytics:**



- **Discover Storage**
- **Discover Web Parts**
- **Discovery Activity**

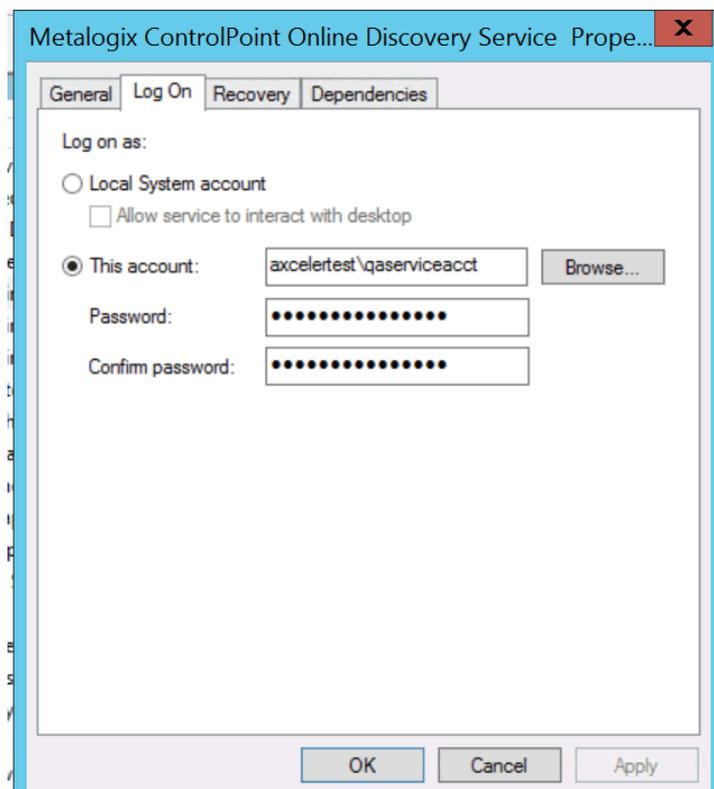
## Starting or Stopping the Metalogix ControlPoint Discovery Service and Changing Discovery Service Properties

You can start, stop, pause or resume the Metalogix ControlPoint Discovery Service either from the Windows Service dialog or from the **Discovery Setup - Service Properties** tab.



You can also change the Service Account of the **Metalogix ControlPoint Online**

**Discovery Windows Service** from either the Windows Service dialog or from the **Discovery Setup - Service Properties** tab.



Remember that the Discovery Service Account requires permissions that are already granted to ControlPoint Service Account (such as access to the ControlPoint Services (xcAdmin) database) in addition to the permission to Run as a Service.

## Monitoring the Discovery Service Queue

You can monitor the status of ControlPoint Discovery jobs via the **Discovery Setup - View Queue** tab.

Queue Date	Task	Status	Order	Last Start Date	Last End Date	Last Message
12/27/2016 1:00 PM	xcTopHierarchy	1	1	12/27/2016 12:04 PM	12/27/2016 12:06 PM	Task Finished
12/27/2016 1:00 PM	xcUsers	1	2	12/27/2016 12:06 PM	12/27/2016 12:06 PM	Task Finished
12/27/2016 1:00 PM	xcUserRights	1	3	12/27/2016 12:06 PM	12/27/2016 12:06 PM	Task Finished
12/27/2016 1:00 PM	xcSiteInfo	1	5	12/27/2016 12:06 PM	12/27/2016 12:07 PM	Task Finished

Note that the **Status** may be one of two values:

**0** = Running

OR

**1** = Not Running (that is, last run completed and/or next run pending)

You can also choose to **Auto Refresh** the monitor at a rate of anywhere from 1 to 5 seconds.

## Viewing Discovery Run Detail

You can view the details of a Discovery Service run in the DiscoveryServiceO365 log, which is located in the folder where the Discovery Service files reside (by default `C:\Program Files\Metalogix\ControlPoint Online\ControlPointFeatures\Services\Discovery`).

A new log is created each week, and the file name is in the format `DiscoveryService{WeekOfTheYear}{MMMyyyy}.log`. For example, `Dicoveryservice11Mar2022.log`. The level of detail recorded in the log depends on the [Discovery Trace Switch values](#).

# Running Discovery Interactively from the ControlPoint Application

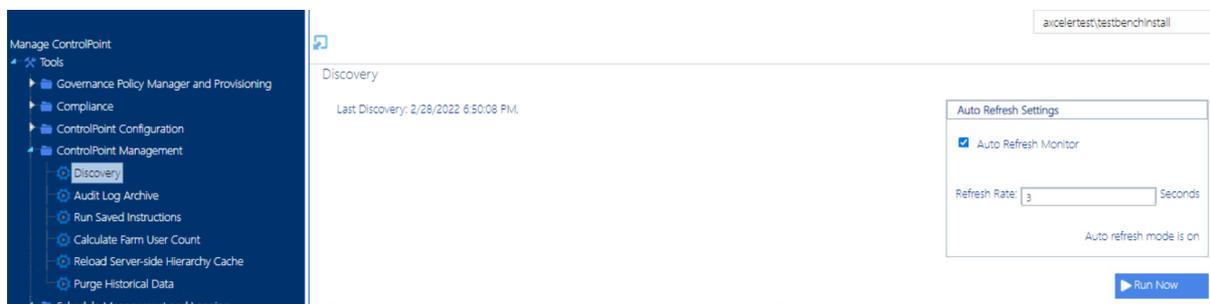
ControlPoint Application Administrators can run the Discovery Service interactively from the ControlPoint application interface between scheduled Discovery runs.

**NOTE:** For Discovery to be run interactively, the Discovery Service must be installed, configured, and running.

## To run a ControlPoint Discovery interactively:

- 1 From the Manage ControlPoint panel choose **ControlPoint Management > Discovery**.

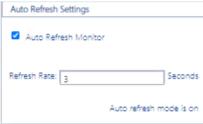
**NOTE:** If you are not a ControlPoint Application Administrator, this option will be hidden.



- 2 Click **[Run Now]**.

The results show each table in the ControlPoint Services (xcadmin) database that the Discovery Service collects data from. The **Auto Refresh Setting** will refresh results every 3 seconds by default, but that value can be changed.

**NOTE:** The **Queue Date** is the date and time of the next *scheduled* Discovery.



Queue Date	Task	Last Start Date	Last End Date	Last Message
3/8/2022 1:00:00 AM	xcTopHierarchy	3/7/2022 7:36:35 PM	3/7/2022 7:37:03 PM	Task Finished
3/8/2022 1:00:00 AM	xcUserRights	3/7/2022 7:37:03 PM	3/7/2022 7:37:03 PM	Task Finished
3/8/2022 1:00:00 AM	xcUsers	3/7/2022 7:37:03 PM	3/7/2022 7:37:04 PM	Task Finished
3/8/2022 1:00:00 AM	xcWapRights	3/7/2022 7:37:04 PM	3/7/2022 7:37:04 PM	Task Finished
3/8/2022 1:00:00 AM	xcSiteInfo	3/7/2022 7:37:04 PM	3/7/2022 7:37:11 PM	Task Finished
3/8/2022 1:00:00 AM	xcBAUsers	3/7/2022 7:37:11 PM	3/7/2022 7:37:11 PM	Task Finished
3/8/2022 1:00:00 AM	xcStats	3/7/2022 7:37:11 PM	3/7/2022 7:37:18 PM	Task Finished

# Updating the Scheduler Windows Jobs

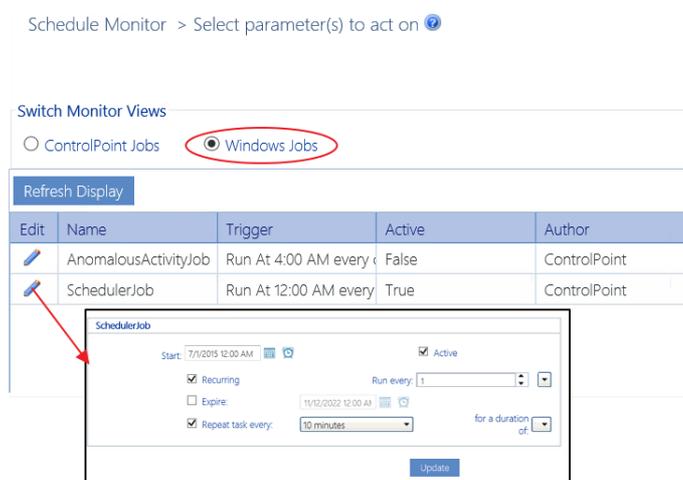
As part of the initial configuration of ControlPoint Online, the ControlPoint Scheduler job is created in the Windows Task Scheduler on the server where ControlPoint Online is installed.

You can activate/deactivate and change the default start time and/or frequency with which the job runs via the Schedule Monitor Windows Jobs view.

**CAUTION:** The Scheduler is an application-wide job. Changing the start time and or/frequency will impact all of ControlPoint.

## To update the Scheduler Windows Job:

- 1 From the Schedule Monitor, select the **Windows Jobs** radio button.
- 2 Click the **Edit** icon for the Scheduler Job.



- 3 Update the Start date, time, and/or run frequency, as applicable.
- 4 Click **[Update]**.

# Using Sensitive Content Manager Services

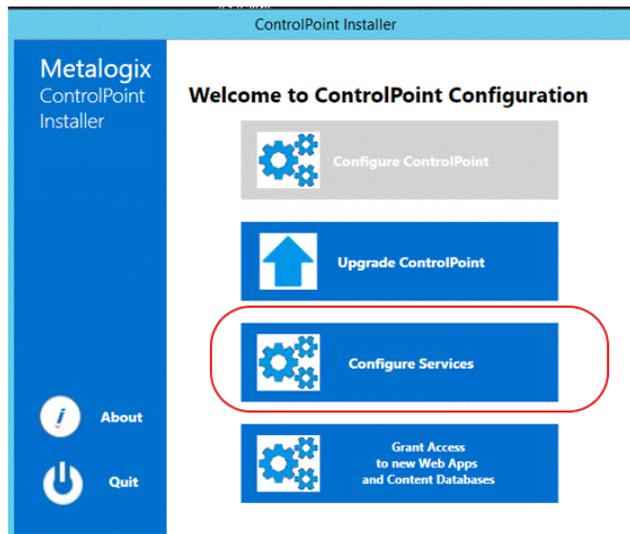
If you have Metalogix Sensitive Content Manager installed in your environment, ControlPoint Sensitive Content Manager (SCM) Services allow you to use ControlPoint to:

- prepare content analysis (CA) jobs for upload to Metalogix Sensitive Content Manager
- upload CA jobs from ControlPoint to Sensitive Content Manager for scanning
- receive results of scanned CA jobs from Metalogix Sensitive Content Manager.

Metalogix ControlPoint SCM Services run as Windows Services on the server where ControlPoint is installed.

Name	Description	Status	Startup Type
Hyper-V Heartbeat Service	Monitors th...	Running	Manual (Trig...
Hyper-V Remote Desktop Virtualization Service	Provides a p...	Running	Manual (Trig...
Hyper-V Time Synchronization Service	Synchronize...	Running	Manual (Trig...
Hyper-V Volume Shadow Copy Requestor	Coordinates...	Running	Manual (Trig...
IIS Admin Service	Enables this...	Running	Automatic
IKE and AuthIP IPsec Keying Modules	The IKEEXT ...	Running	Automatic (T...
Interactive Services Detection	Enables use...		Manual
Internet Connection Sharing (ICS)	Provides ne...		Disabled
Internet Explorer ETW Collector Service	ETW Collect...		Manual
IP Helper	Provides tu...	Running	Automatic
IPsec Policy Agent	Internet Pro...	Running	Manual (Trig...
KDC Proxy Server service (KPS)	KDC Proxy S...		Manual
KtmRm for Distributed Transaction Coordinator	Coordinates...		Manual (Trig...
Link-Layer Topology Discovery Mapper	Creates a N...		Manual
Local Session Manager	Core Windo...	Running	Automatic
Metalogix ControlPoint Online Discovery Service	Discovery S...	Running	Automatic
Metalogix ControlPoint Online to CA Results Service	The descrip...	Running	Automatic
Metalogix ControlPoint Online to CA Upload Service	The descrip...	Running	Automatic
Microsoft iSCSI Initiator Service	Manages In...		Manual
Microsoft Software Shadow Copy Provider	Manages so...	Running	Manual
Microsoft Storage Spaces SMP	Host service...		Manual

ControlPoint SCM Services can be configured at the time ControlPoint is installed or upgraded, or at any time when the Configuration Wizard is launched. See [Configuring ControlPoint Services](#) for details.



## Launching the SCM Services Setup Application

### To launch the SCM Services Setup application:

- 1 Navigate to the location where the SCM Services files reside (by default, `C:\Program Files\Metalogix\ControlPoint Online\ControlPointFeatures\Services\ContentAnalysis`)
- 2 Open **CASetup.exe** (using the **Run as Administrator** option).

## Changing SCM Services Configuration and Settings

You can change the following SCM Services Configuration and Settings from the SCM Services Setup application.

**IMPORTANT:** After making any changes, remember to click **[OK]** to save them.

### General Options

For **Analysis Service Settings**, **Upload Service Settings**, and **Results Service Settings**, you can adjust the number of threads used, the time delay between threads (in seconds) and the intervals (in seconds) at which each thread "wakes up" to check for files to be uploaded to and results to be downloaded from Sensitive Content Manager.

**NOTE:** The default values for these settings should be acceptable for most Sensitive Content Manager analysis jobs. However, you may want to adjust them if, for example, you are processing an exceptionally large number of large files and have sufficient system resources to handle multiple (up

to four) threads. Be aware, however, that if you increase the number of threads and decrease the delay and/or thread interval, you may significantly increase the size of the log file(s).

**General options for SCM Services**

**Analysis Service Settings**

Number of Analysis Threads to use: 1 | Delay between Threads: 3 | Thread Interval: 300

**Upload Service Settings**

Number of Upload Threads to use: 1 | Delay between Threads: 3 | Thread Interval: 300

**Results Service Settings**

Number of Result Threads to use: 1 | Delay between Threads: 3 | Thread Interval: 300

OK Close **Trace**

## Settings

You can use the **Trace Settings** drop-downs to change the level of logging for components of each SCM Service.

**ControlPoint SCM Services Setup**

**Change the trace settings for SCM Services**

**Analysis Service Trace Settings**

Trace Switch	Value
TraverseHierarchy	Error - Output error-handling messages
DatabaseTiming	Off - Output no tracing and debugging messages
GeneralTrace	Warning - Output warnings and error-handling messages

**Upload Service Trace Settings**

Trace Switch	Value
TraverseHierarchy	Error - Output error-handling messages
DatabaseTiming	Error - Output error-handling messages
GeneralTrace	Info - Output informational messages, warnings, and error-handling messages

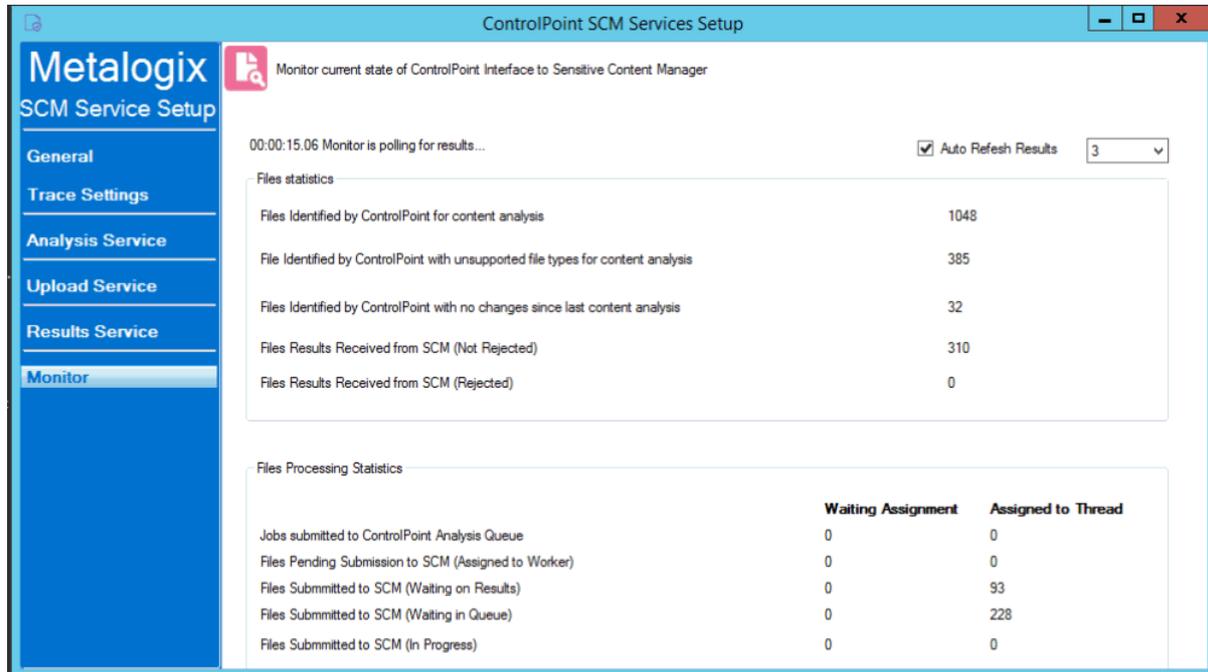
**Results Service Trace Settings**

Trace Switch	Value
TraverseHierarchy	Error - Output error-handling messages
DatabaseTiming	Error - Output error-handling messages
GeneralTrace	Info - Output informational messages, warnings, and error-handling messages

OK Close

# Monitoring the Status of ControlPoint Interactions with SCM

You can monitor the progress of active file scans via the **SCM Services Setup - Monitor** tab. You can also choose to **Auto Refresh** the monitor at a rate of anywhere from 1 to 5 seconds.



When all active jobs have been processed, **Files Processing Statistics** are reset to 0.

## Viewing SCM Job Detail

You can view the details of ControlPoint SCM Upload Service and Results Service activity in the applicable log file, located in the folder where SCM Service files reside (by default, `C:\Program Files\Metalogix\ControlPoint Online\ControlPointFeatures\Services\ContentAnalysis`).

At a minimum, a new log is created each week, and the file name is in the format `{Service Name}{WeekOfTheYear}{MMMyyyy}.log`. For example, `CPCAUUploadService11Mar2022.log`. Once a log file exceeds 10KB, however, a new log is created with both a date *and* time stamp.

The level of detail recorded in the log depends on the [SCM Trace Switch values](#). The size of the log file is also influenced by [General Options](#).

# Setting Sensitive Content Manager End Points and Managing Scanning Preferences

ControlPoint Application Administrators use the ControlPoint Sensitive Content Manager Configuration dialog to set EndPoints to point to the server(s) on which Sensitive Content Manager is configured. Members of the Compliance Administrators group can also test the availability of each EndPoint and change default preferences for scanning content.

NOTE: ControlPoint Application Administrators can also configure EndPoints individually and update other configuration settings via [ControlPoint Configuration Settings - Compliance](#) settings.

## To launch the ControlPoint Sensitive Content Manager Configuration dialog:

From the left navigation Manage tab, choose **Compliance > Sensitive Content Configuration Maintenance**.

## Setting EndPoints

The Value of each Sensitive Content Manager EndPoint must be set to point to the server(s) on which Sensitive Content Manager is configured your environment. Use the information in the following table for guidance.

Endpoint	Description	Value
Sensitive Content Manager	The URL for the Sensitive Content Manager for sending files.	http://<server.dom

Endpoint	Description	Value
Upload EndPoint	This corresponds to the <b>File Upload URL</b> specified at the time Sensitive Content Manager was installed.	ain>  (or if installed on multiple servers: http://<server.domain>:port)
Sensitive Content Manager Results EndPoint	The URL for the Sensitive Content Manager service for retrieving files job results.  This corresponds to the <b>Results Service URL</b> specified at the time Sensitive Content Manager was installed.	http://<server.domain>  (or if installed on multiple servers: http://<server.domain>:port)
Sensitive Content Manager Profile EndPoint	The URL for the Sensitive Manager service for retrieving profiles.  This corresponds to the <b>Profile Service URL</b> specified at the time Sensitive Content Manager was installed.	http://<server.domain>  (or if installed on multiple servers: http://<server.domain>:port)
Sensitive Content Manager Search Terms	The URL for the Sensitive Content Manager service for retrieving rules used to identify a specific kind of sensitive content.  This corresponds to the <b>Subquestion Service URL</b> specified at the time Sensitive Content Manager was installed.	http://<server.domain>  (or if installed on multiple servers: http://<server.domain>:port)

When you have finished setting EndPoints, click **[Update]**.

## Testing Availability of EndPoints, File Upload, and Results

From the **EndPoint Testing** tab, you can test the availability of each endpoint that you set, as well as whether files can be uploaded to/received from Metalogix Sensitive Content Manager.

If you click a **[Test EndPoint]** button and the status returns as **Unavailable**, make sure that the URL is correct and that the service is available on the Metalogix Sensitive Content Manager server side.

If you click **[Test File Upload]**, ControlPoint will send a sample file to Metalogix Sensitive Content Manager, and will display a log of the action. If you then click **[Test File Results]**, ControlPoint will log the progress of the file's return.

## Managing Scanning Preferences

Automatically add Scan Results column and update with severity level in SharePoint Lists

Automatically add Terms detected column and update with severity level in SharePoint Lists

Include text in list items in addition to files when performing Content Analysis



ControlPoint can create columns called Scan Results and/or Terms Detected. Each time a scan is performed, the Severity Level is populated for the scanned item.

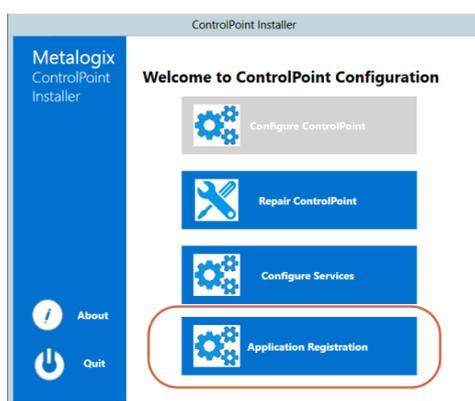
Name	Modified	Modified By	Scan Result	Terms Detected
IT-2104 NYS Tax Form-signed.pdf	September 11	Testbench Farm Display	Severe	Address,Contextual Information,Government Identification Number,Name,Telephone Number
Cover Compliance.ppt	September 11	Testbench Farm Display	Passed	
Cocomplete Equity - Prof Liabili...	September 11	Testbench Farm Display	Moderate	Address,Government Identification Number,Name,Telephone Number

ControlPoint Application Administrators can allow this column to be created/populated by changing the value(s) of **Automatically add Scan File Results column and update with severity level in SharePoint Lists** and/or **Automatically Add Terms Detected column and update with severity level in SharePoint Lists** from *false* to *true*.

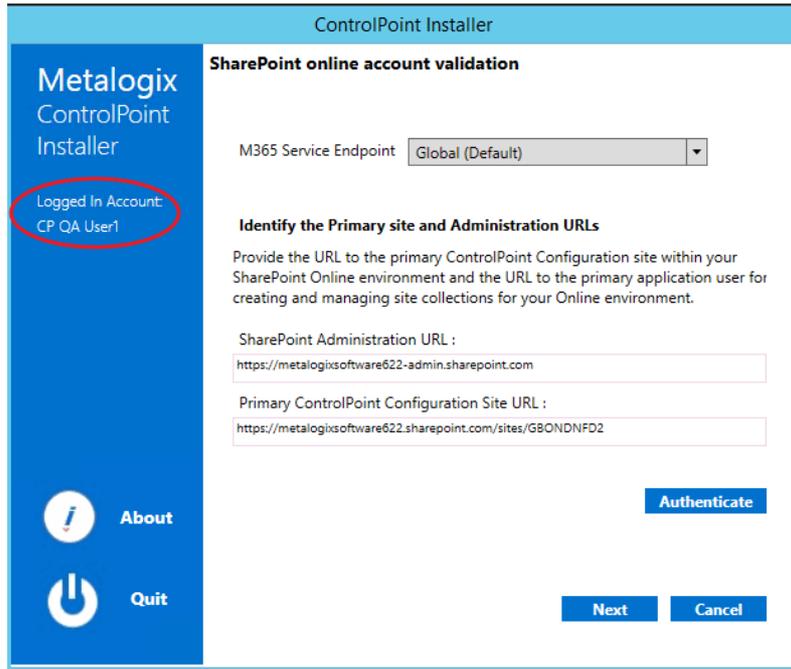
# Registering and Re-registering the ControlPoint Online App for Modern Authentication

As the last stage of the ControlPoint Online configuration process, the ControlPoint Online app must be registered in the Azure Active Directory to allow Modern Authentication.

The app can also be registered after the installation, as a separate action, if you launch **ControlPoint Online Configuration**. However, ControlPoint Online cannot be run until the app is registered.



If you do choose to perform this action at a later time, you will be prompted to complete the **SharePoint online account validation dialog** and authenticate using the Office 365 account used at the time ControlPoint was installed (which must be a Global Administrator for the tenant).



NOTE: Once the ControlPoint Online app is registered, it is only necessary to [re-register](#) it to change the tenant administrator and/or SSL certificate. Re-registering essentially deletes the existing registration and replaces it with a new one.

## To register the ControlPoint Online app in Azure Active Directory:

1. Select the SSL certificate that will allow ControlPoint users to authenticate with Microsoft, using one of the options described in the following table.

NOTE: To allow Microsoft Modern Authentication to be used by all users, the certificate must be located in the Trusted Root store. The Personal store of the ControlPoint installation account *cannot* be used. You can use the same certificate that you used for IIS Configuration, but a copy must be located in the Root store.

If you want to ...	Then ...
use an existing certificate	<ul style="list-style-type: none"> <li>• For the <b>Store Name</b>, make sure <b>Root</b> is selected from the drop-down.</li> </ul> <p>The <b>Use Existing Certificate</b> drop-down will be populated with available certificates in the selected store.</p> <ul style="list-style-type: none"> <li>• Make sure <b>Use Existing Certificate</b> is selected, then select a certificate from the drop-down.</li> </ul>

If you want to ...	Then ...
	<div data-bbox="651 309 1198 622"> <p>Store Name <input type="text" value="Root"/></p> <p>Store Location <input type="text" value="LocalMachine"/></p> <p><input checked="" type="radio"/> Use Existing Certificate</p> <p><input type="radio"/> <input type="text" value="AzureAD"/></p> <p><input type="radio"/> <input type="text" value="CP Online"/></p> <p><small>Certificate Name</small></p> </div> <p data-bbox="595 651 1372 719">NOTE: If the ControlPoint Installer cannot find a Certificate in the Store, this option will be disabled.</p>
<p data-bbox="300 768 512 875">create a new <i>self-signed</i> certificate (default option)</p>	<p data-bbox="579 768 1345 835">Select <b>Create new Self Signed Certificate</b>, and enter a <b>Certificate Name</b>.</p> <div data-bbox="699 860 1270 936"> <p><input checked="" type="radio"/> Create new Self Signed Certificate</p> <p>Certificate Name <input type="text" value="ControlPoint"/></p> </div> <p data-bbox="579 965 1385 1032">The ControlPoint installer will create a .crt certificate file in the local machine Root store.</p> <p data-bbox="595 1061 1385 1167"><b>IMPORTANT:</b> Unlike a .pfx certificate file, which contains a private key, a .crt certificate file is less secure and will not be listed in the Certificate Manager in IIS.</p>

3 Click **[Register]**.

You will be prompted to accept Terms of Use, which grants ControlPoint Online permissions to access and operate on SharePoint Online data. When registration is complete, you can close the browser. The ControlPoint Installer will close automatically.

## To re-register the ControlPoint Online app:

1. On the Azure AD Application Registration dialog, click **[Registration]**.
2. Check the **Re-Register Application** box.
3. Specify a different tenant administrator and/or certificate as described in the procedure "To register the controlPoint Online app in Azure Active Directory."

---

# Modifying ControlPoint Configuration Settings

ControlPoint Application Administrators can modify a number of ControlPoint configuration settings, including

- elements of the user interface
- environmental settings that can be "fine-tuned" to improve performance, and
- default security settings.

ControlPoint Application settings are modified via the ControlPoint Configuration Settings Manager page.

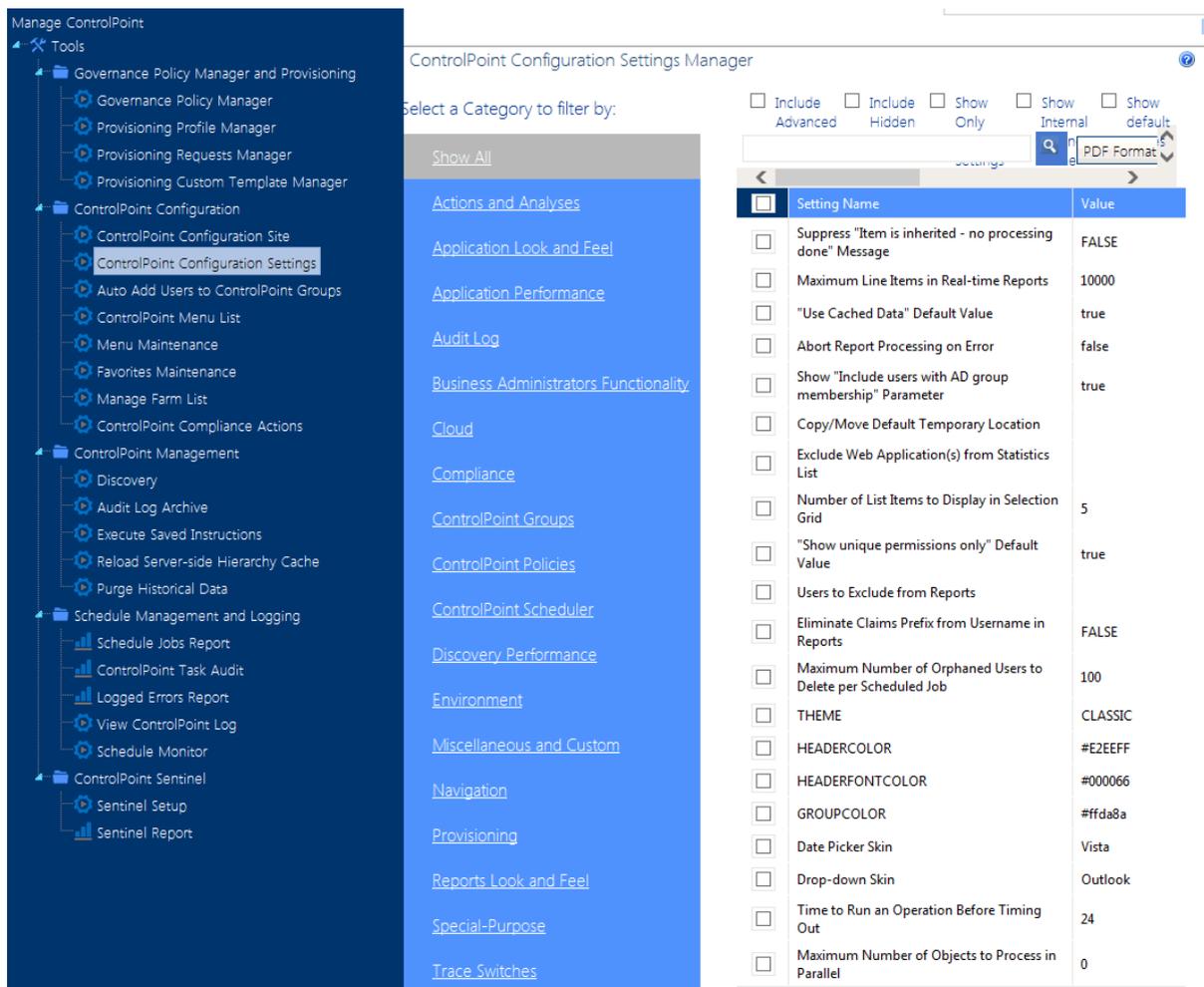
NOTE: If you first installed ControlPoint prior to version 6.0 and prefer to modify settings using the ControlPoint Configuration Site's ControlPoint Settings list, you may continue to do so. Be aware, however, that if you make changes directly to the list you will have to restart the application pool for the changes to take effect.

## Configuration Settings That Apply to ControlPoint Online

All of the configuration settings that are relevant for ControlPoint Online are described in this section. Settings that appear in the list but are not covered in this guide apply to the On Premises version of ControlPoint only.

### To access the ControlPoint Settings list:

From the Manage ControlPoint panel, chose **ControlPoint Configuration > ControlPoint Configuration Settings**.



Permissions for this list are inherited from the ControlPoint Configuration site. Therefore, members of ControlPoint Application Administrators group have full control access and can modify settings.

Members of the Administrators group have read-access to the list, and therefore can view, but not modify, settings.

NOTE: ControlPoint Settings can also be edited via the ControlPoint Configuration Site - ControlPoint Settings list. ControlPoint Application Administrators may prefer this option if they have been using ControlPoint prior to version 6.0 and are accustomed to editing settings this way.

## Setting Classifications:

ControlPoint Settings fall into the following classifications:

**Basic** - Generally the most commonly-configured settings,. Only Basic settings display in the ControlPoint Configuration Settings Manager page by default.

**Advanced** - Less commonly-used settings that you may want to modify to further customize ControlPoint to meet particular needs of your SharePoint environment or users. [

**Created** - Special-purpose settings that you can add to the ControlPoint Settings list if needed. Generally, these settings should only be configured under special circumstances and with guidance from [Quest Support](#).

## Filtering the ControlPoint Configuration Settings List

You can filter the ControlPoint Settings list using one or more of the following options:

- By choosing a **Category**

Select a Category to filter by:

- Show All
- Actions and Analyses
- Application Look and Feel
- Application Performance
- Audit Log
- Business Administrators Functionality
- Cloud
- ControlPoint Groups
- ControlPoint Policies
- ControlPoint Scheduler
- Discovery Performance
- Environment
- Miscellaneous and Custom

Include Advanced Settings  
  Include Hidden Settings  
  Show Only Hidden  
  Show Internal settings  
  Show default values

Search  
   

<input type="checkbox"/>	Setting Name	Value
<input type="checkbox"/>	Suppress "Item is inherited - no processing done" Message	true
<input type="checkbox"/>	Maximum Line Items in Real-time Reports	10000
<input type="checkbox"/>	"Use Cached Data" Default Value	true
<input type="checkbox"/>	Abort Report Processing on Error	false
<input type="checkbox"/>	Show "Include users with AD group membership" Parameter	true
<input type="checkbox"/>	Copy/Move Default Temporary Location	
<input type="checkbox"/>	Exclude Web Application(s) from Statistics List	
<input type="checkbox"/>	Number of List Items to Display in Selection Grid	5
<input type="checkbox"/>	"Show unique permissions only" Default Value	true
<input type="checkbox"/>	Users to Exclude from Reports	
<input type="checkbox"/>	Eliminate Claims Prefix from Username in Reports	FALSE
<input type="checkbox"/>	Maximum Number of Orphaned Users to Delete per Scheduled Job	100

 
 Page size: 20  
 12 items in 1 pages

- By choosing to **Include Advanced Settings**

Select a Category to filter by:

- Include Advanced Settings
- Include Hidden Settings
- Show Only Hidden
- Show Internal settings
- Show default values

Search: [ ] [n] [Create] [Ed]

<input type="checkbox"/>	Setting Name	Value
<input type="checkbox"/>	Suppress "Item is inherited - no processing done" Message	true
<input type="checkbox"/>	Maximum Line Items in Real-time Reports	10000
<input type="checkbox"/>	"Use Cached Data" Default Value	true
<input type="checkbox"/>	Abort Report Processing on Error	false
<input type="checkbox"/>	Show "Include users with AD group membership" Parameter	true
<input type="checkbox"/>	Largest Active Directory Group to Expand in Reports	500
<input type="checkbox"/>	Copy/Move Default Temporary Location	
<input type="checkbox"/>	Time To Retain Page Data in Cache	20
<input type="checkbox"/>	Time to Retain Temporary UI Objects in Cache	10
<input type="checkbox"/>	CSV Delimiter Character	,
<input type="checkbox"/>	Exclude Web Application(s) from Statistics List	
<input type="checkbox"/>	Number of Reports to Keep in Memory After Drill-Down	10
<input type="checkbox"/>	Show Nested Active Directory Groups	false
<input type="checkbox"/>	Number of List Items to Display in Selection Grid	5
<input type="checkbox"/>	Duplicate Files Report Limit	3000000
<input type="checkbox"/>	"Show unique permissions only" Default Value	true
<input type="checkbox"/>	Maximum Number of Users to Act On	2000

- If special-purpose settings have been created:
  - **Include Created Settings**, or
  - **Show Only Created Settings**

TIP: You can view created settings **Include Created Settings** and selecting the **Special Purpose** category.

## Showing Additional Columns and Sorting by Column

By default, the ControlPoint Configuration Settings list displays the **Setting Name** and current **Value**, but you can also choose to **Show Internal setting name** and/or **Show default values**. You can sort on any column.

For example, if you are a long-time ControlPoint user and are already familiar with internal setting names, you can sort by this column.

Setting Name	Internal Name	Value	Default Value
Abort Discovery on Error	ABORTDISCOVER	false	false
Abort Report Processing on Error	ABORTREPORTO	false	false
Archive Audit Log Table Connection String	ArchiveAuditLog	Data Source=qa2	
Web Applications to Include in Audit Logs	ArchiveAuditLog	f80f4acc-2c96-43	
Number of Hours Worth of Data to Archive at One Time	ArchiveAuditLog	1	1

## To search for a ControlPoint Setting by Setting Name:

Enter a full or partial text string in the search box, then click the magnifying glass icon .

Include Advanced Settings   
 Include Hidden Settings   
 ?

hierarchy

<input type="checkbox"/>	Setting Name	Intern
<input type="checkbox"/>	Display url Instead of Site Name in SharePoint Hierarchy	SHOW
<input type="checkbox"/>	How to Display Multiple Farms in SharePoint Hierarchy	FARM
<input type="checkbox"/>	Maximum Number of Groups to Display in SharePoint Hierarchy	SPGRC
<input type="checkbox"/>	Maximum Number of Users to Display in SharePoint Hierarchy	SPUSE
<input type="checkbox"/>	Postpone Security Trimming of SharePoint Hierarchy Until Site Collection is Expanded	Postpe
<input type="checkbox"/>	SharePoint Hierarchy Access Logging	TRACT
<input type="checkbox"/>	SharePoint Hierarchy Load Time Logging	TRACT
<input type="checkbox"/>	Show Full Hierarchy of Business Admin Sites	SHOW
<input type="checkbox"/>	Site Collections to Exclude from SharePoint Hierarchy	Hoste

## To edit a ControlPoint Setting:

- 1 Check the box to the left of the setting that you want to edit.

NOTE: You can edit only one setting at a time. If you select more than one, the **[Edit]** button becomes disabled.

- 2 Click **[Edit]**.

- Update the **Value** field as appropriate. (Descriptions of configurable settings, along with guidelines for changing parameter values, follow.)

The screenshot shows a settings management interface with a table of settings. The 'Edit' button is highlighted, and a dialog box is open for editing the 'Maximum Number of Objects to Process in Parallel' setting.

Setting Name	Internal Name	Value	Default Value
<input type="checkbox"/> Copy/Move Default Temporary Location	TEMPLOCATION		
<input type="checkbox"/> Exclude Web Application(s) from Statistics List	DASHBOARDWAPEXCLUDE		
<input type="checkbox"/> Users to Exclude from Reports	EXCLUDEDUSERS		
<input checked="" type="checkbox"/> Operations Using Parallel Processing	ParallelProcs		

Setting Name: Maximum Number of Objects to Process in Parallel

Internal Name: MaxParallelProcs

Current Value: 0

New Value:

- Click **[Update]**.

Changes to ControlPoint Settings take effect immediately.

## Deleting ControlPoint Settings

Only [Created settings](#) can be deleted.

### To restore ControlPoint Setting default values:

- Check the box to the left of each setting for which you want to restore the default value.

**NOTE:** For this operation, you may select multiple settings.

- Click **[Reset]**.

The screenshot shows the settings management interface with the 'Reset' button highlighted. The table below shows settings with checkboxes in the first column.

Setting Name	Value	Default Value
<input checked="" type="checkbox"/> Show All Site Collections to Farm Admins	false	true
<input type="checkbox"/> Remote Service Account Administrators for Cross-Farm Operations	Remote Service A	Remote Service A
<input checked="" type="checkbox"/> Auto Add Users To ControlPoint Group Maximum Group Size	800	1000
<input type="checkbox"/> Permissions Needed to See List Items in Reports	SITF	SITF

# Changing Default Settings for Actions and Analyses

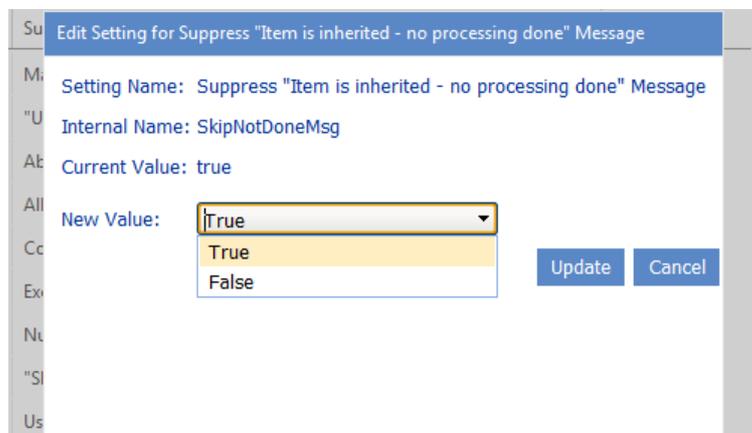
These configuration settings display in the ControlPoint Settings list under the category **Actions and Analyses**.

## Supress "Item is inherited - no processing done" Message(SkipNotDoneMsg)

By default, when a permissions action includes SharePoint objects with inherited permissions, the following line displays in the ControlPoint Task Audit for each of these objects:

*Security is inherited - no processing done*

ControlPoint Application Administrators can, however, suppress this message for objects with inherited permissions by changing the Value of the ControlPoint Setting Supress "Item is inherited -no processing done" Message from *True* to *False*.



## Maximum Line Items in Real-time Reports (REPCAP)

By default, the maximum number of line items that can display in ControlPoint search or analysis results that is run interactively (that is, using the "Run Now" option) is 10000. This limit is set to provide administrators with predictable performance when generating an analysis and to keep the result set manageable.

If the limit is exceeded, the following message displays:

This report has more rows than the current row limit of xxxx, only first xxxx rows are displayed. You can raise the limit. It is specified in either REPCAP or SCHEDULEREPCAP.

ControlPoint Application Administrators can set this limit either higher or lower by changing the Value of the ControlPoint Setting **Maximum Line Items in Real-time Reports**.

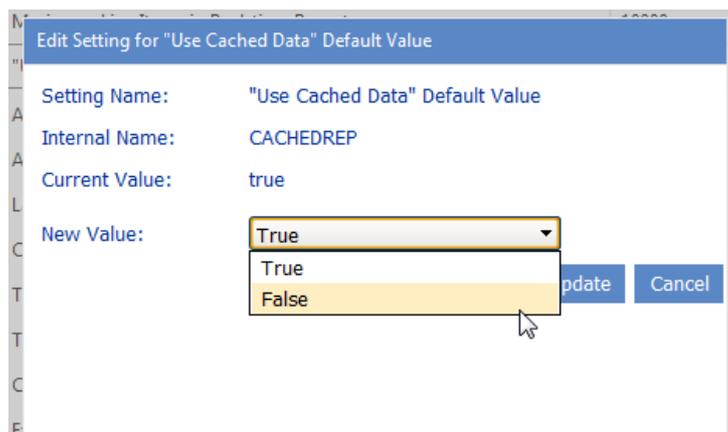


## "Use Cached Data" Default Value (CACHEDREP)

When you are given the option of using cached or real-time data for data analysis and reporting, the ControlPoint default value is **Use cached data**. (See also Specifying Parameters for Your Analysis.)

Use cached data

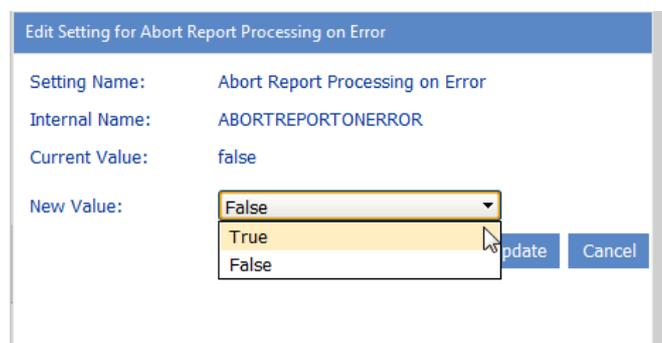
ControlPoint Application Administrators can, however, change the default option to real-time by changing the Value of the ControlPoint Setting CACHEDREP from *True* to *False*.



## Abort Report Processing on Error (ABORTREPORTONERROR)

As of version 5.2.345.0, when a ControlPoint analysis includes lists and/or list items and errors are encountered, by default analysis processing will complete, with problematic list(s) and/or item(s) flagged with the text **\*\*\*Error\*\*\*** in the results.

ControlPoint Application Administrators can, however, choose to have analysis processing be aborted and no results display by changing the Value of the ControlPoint Configuration Setting **Abort Report Processing on Error** from *false* to true.



The screenshot shows a dialog box titled "Edit Setting for Abort Report Processing on Error". It contains the following fields and controls:

- Setting Name:** Abort Report Processing on Error
- Internal Name:** ABORTREPORTONERROR
- Current Value:** false
- New Value:** A dropdown menu with "True" selected and "False" as an option below it.
- Buttons:** "Update" and "Cancel".

NOTE: Prior to version 5.2.345.0 the *default* value is true.

## Time to Retain Page Data in Cache (CACHEREPORT4)

By default, information about an active ControlPoint operation is kept in a server memory cache for 20 minutes. Within this time period, a user can:

- initiate and run a ControlPoint action or analysis
- return to results of an analysis from which the user has drilled down
- download search or analysis results.

After this time period has expired, the cache is cleared and the operation must be re-initiated.

ControlPoint Application Administrators can change the number of minutes that analysis data is held in server memory cache by modifying the Value of the ControlPoint Setting **Time to Retain Page Data in Cache**.

NOTE: This is an Advanced Setting.

If you increase this value, a ControlPoint operation will remain "active" for a longer period of time. Keep in mind, however, that the higher the value is set the longer information about the operation will

consume memory, which may be a burden on server resources (specifically, the size of the application pool process supporting the Web application that hosts the ControlPoint Configuration Site collection).

If you decrease this value and the server cache is cleared before a ControlPoint operation (such as a Copy/Move) has completed, the Task Audit that is generated at the conclusion of the operation will contain no data. (However, a completed Task Audit for the operation can still be invoked from the Manage ControlPoint panel).

## Time to Retain Temporary UI Objects in Cache (UICACHEDURATION)

By default, ControlPoint retains temporary UI-related objects in server memory for 10 minutes. ControlPoint Application Administrators can, however, change the number of minutes that analysis data is held in server memory cache by modifying the Value of the ControlPoint Setting **Time to Retain Temporary UI Objects in Cache**.

NOTE: This is an Advanced Setting.

This setting is designed to be used in conjunction with—and set to a lower value than—[Time to Retain Page Data in Cache \(CACHEREPORT4\)](#) to enable the cache to be cleared more quickly.

## Number of List Items to Display in Selection Grid

By default, when you select list items on which to perform a ControlPoint action or analysis, up to five individual items/folders will display in the Selection panel.

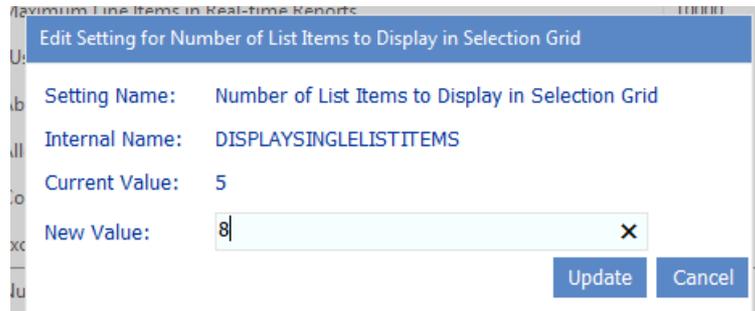
	Remove	Include Children	Type	URL
▶	✘	<input type="checkbox"/> OR Choose	📁	http://qa2010farmf:38472/sites/GBTeamSiteA/Shared Documents/Forms/AllItems.aspx
▶	✘	Review	📄	Shared Documents/Business Admin Testing.docx
▶	✘	Review	📄	Shared Documents/ControlPoint Evaluation Guide.pdf
▶	✘	Review	📄	Shared Documents/Customizing Provisioning Request Templates.docx

When the selection includes six or more items, a single line item displays that identifies the number of items selected.

	Remove	Include Children	Type	URL
▶	✘	<input type="checkbox"/> OR Choose	📁	http://qa2010farmf:38472/sites/GBTeamSiteA/Shared Documents/Forms/AllItems.aspx
▶	✘	Review	📄	/sites/GBTeamSiteA/Shared Documents/Forms/AllItems.aspx - 8 Items Selected

The purpose of this threshold is to make the most efficient use of the limited viewing area in the Selection panel.

ControlPoint Application Administrators can, however, change this threshold by updating the Value of the ControlPoint Configuration Setting **Number of List Items to Display in Selection Grid**.

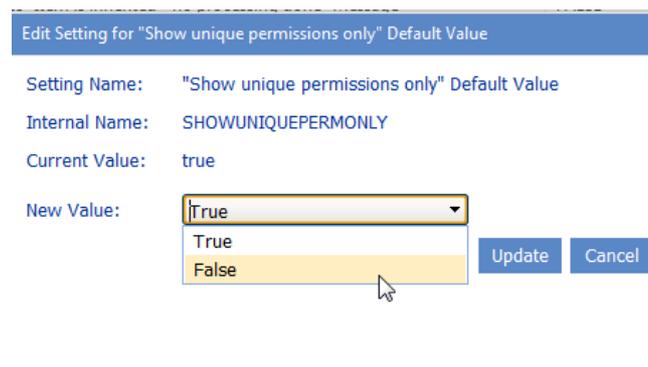


## "Show unique permissions only" Default Value (SHOWUNIQUEPERMONLY)

When a permissions analyses is initiated, users have the option of including only objects with unique (non-inherited) permissions or objects with both inherited and non-inherited permissions. Having **Show unique permissions only** selected is the ControlPoint default.

Show unique permissions only

ControlPoint Application Administrators can, however, change the default (so that Show Unique Permissions Only is unselected) by changing the parameter value of the ControlPoint Configuration Setting **"Show unique permissions only" Default Value** from true to false.



## Users to Exclude from Reports (EXCLUDEDUSERS)

By default, unless one or more users are specified in the People Picker, all SharePoint users are included in the following ControlPoint analyses:

- Site Permissions
- Comprehensive Permissions
- 

ControlPoint Application Administrators can, however, exclude certain users and/or Active Directory groups from these analyses by entering the user account name(s) as the Value for the ControlPoint Configuration Setting **Users to Exclude from Reports**. Enter multiple account names as a comma-separated list.

You may, for example, want to exclude common system accounts such as Sharepoint\System and NTAuthority\Authenticated Users.

NOTE: You must exclude users based on *full account names* .

## Maximum Number of Users to Act On (MAXUSERSFORACTION)

By default, when you want to run a ControlPoint action that operates on SharePoint users, up to two thousand (2000) users may be included in the operation, as determined by the People Picker entry. Before running the action, ControlPoint evaluates the number of users included in the People Picker entry, and if it exceeds the maximum number allowed, the action is not carried out and the following message is recorded in the ControlPoint Task Audit:

The number of users (*[numusers]*) has exceeded the allowable threshold of *[maxusers]*.

This setting is especially useful as a "safety net" when an operation allows wildcards to be used in the People Picker and could potentially act on more users than intended.

ControlPoint Application Administrators can, however, specify a different limit by changing the Value of the ControlPoint Configuration Setting **Maximum Number of Users to Act on**.

NOTE: This is an Advanced Setting.

Edit Setting for Maximum Number of Users to Act On	
Setting Name:	Maximum Number of Users to Act On
Internal Name:	MAXUSERSFORACTIONS
Current Value:	2000
New Value:	<input type="text" value="2000"/>
<input type="button" value="Update"/> <input type="button" value="Cancel"/>	

NOTE: This setting does *not* apply to users within the scope of a SharePoint User Profile property selection, for which no maximum is enforced.

## CSV Delimiter Character (CSVDELIMITER)

By default, ControlPoint uses a comma (,) as a delimiter to separate data in search and analysis results when the **Download Report Data as CSV** option is used. ControlPoint Application Administrators can, however, specify a different delimiter to use by modifying the Value of the ControlPoint Setting **CSV Delimiter Character**. (This might be necessary if some of the content in analysis results—such as site names—contain commas.)

Note that this setting does not apply when the **CSV (comma delimited)** option is selected from the report toolbar drop-down.

NOTE: This is an Advanced Setting.

Edit Setting for CSV Delimiter Character	
Setting Name:	CSV Delimiter Character
Internal Name:	CSVDELIMITER
Current Value:	,
New Value:	<input type="text" value="TAB"/>
<input type="button" value="Update"/> <input type="button" value="Cancel"/>	

NOTE: If you want to use a tab for the delimiter, enter **TAB**.

If you use a delimiter other than a comma and plan to use Excel as your analysis tool, when performing the Download Report Data as CSV operation, choose the **[Save]** option then *import* the saved file into Excel. If you try to open the csv file *directly* in Excel, only commas will be recognized as delimiters.

# Changing Default Settings to Improve Application Performance

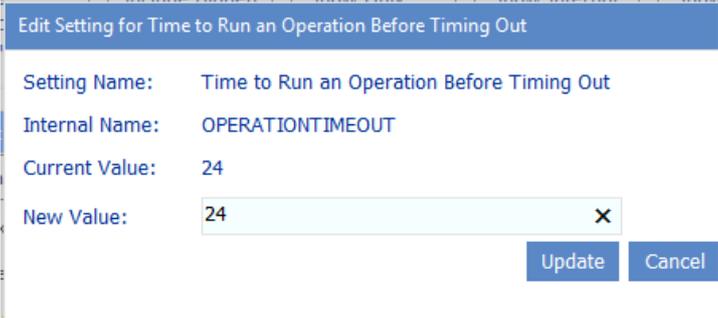
These configuration settings display in the ControlPoint Settings list under the category **Application Performance**.

## Time to Run an Operation Before Timing Out (OPERATIONTIMEOUT)

When you initiate an operation in ControlPoint, ControlPoint will use WCF to start the operation on all farms that are part of the operation. By default, this WCF request will time out if it has not been completed within 24 hours. For an operation performed on a home farm, a timeout message will be recorded in ControlPoint Administration Log (xcAdmin.log) stating that the operation was taking too long; however, the operation will be completed normally and you will see results in the ControlPoint user interface. For a remote farm in a multi-farm installation, the same message will be recorded, but the operation will *not* be completed but the user interface will "hang" until it is cancelled.

ControlPoint Application Administrators can change the amount of time it takes for an operation to complete before timing out by updating the Value of the ControlPoint Configuration Setting **Time to Run an Operation Before Timing Out**.

Note that this time is expressed in *hours*.



The screenshot shows a dialog box titled "Edit Setting for Time to Run an Operation Before Timing Out". It contains the following information:

- Setting Name: Time to Run an Operation Before Timing Out
- Internal Name: OPERATIONTIMEOUT
- Current Value: 24
- New Value: 24 (with a clear 'X' button)

At the bottom right, there are two buttons: "Update" and "Cancel".

## SQL Command Timeout Value (COMMANDTIMEOUT)

By default, the ControlPoint SQL Command timeout value is set to 300 seconds. This value represents the amount of time that ControlPoint will wait for a SQL command to run before issuing the following message:

[Method Name]Timeout Exception: The server has timed out.

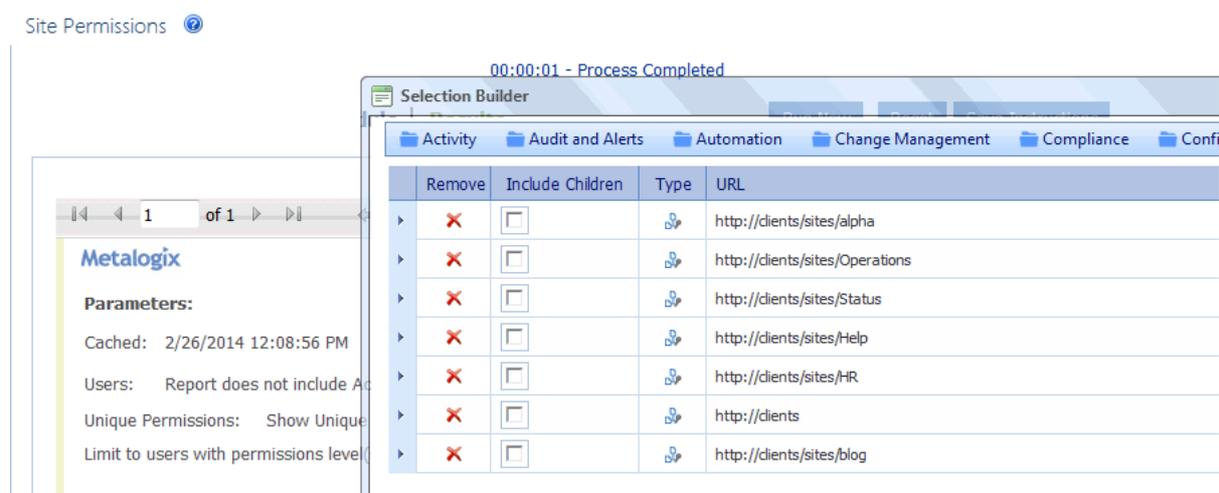
The default value should be sufficient in most cases. However, for an exceptionally large or busy farm, the ControlPoint Application Administrator may need to increase the Value of the ControlPoint Setting **SQL Command Timeout Value**.

NOTE: This is an Advanced Setting.

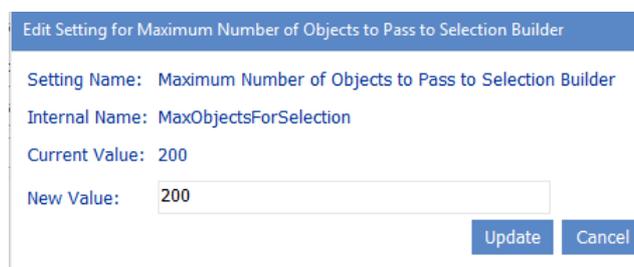
NOTE: Remember, this value is specified in *seconds*.

## Maximum Number of Objects to Pass to the Selection Builder (MaxObjectsForSelection)

By default, when a ControlPoint user wants to initiate an operation from search or data analysis results, an unlimited number of SharePoint sites can be added to the Selection Builder.



A large number of objects passed to the Selection Builder may, however, significantly drain system resources. ControlPoint Application Administrators can limit the number of sites that are added to the SelectionBuilder by changing the Value of the ControlPoint Setting **Maximum Number of Objects to Pass to Selection Builder**. (Note that **0** is used as the default value to represent "unlimited.")



If the specified number is met, no additional sites will be added to the Selection Builder and the user will be presented with a warning message.

## Number of Seconds After Which Browser Reports Server Timeout (SERVERTIMEOUT)

By default, the ControlPoint server timeout value is set to 60 minutes, or 3600 seconds. (The normal browser timeout value is 1.5 minutes.) This value represents the amount of time that the browser will wait for an action or analysis to complete on the server before issuing the following message:

*An action or analysis you requested is taking longer than expected. If you requested an analysis, try changing the option to use data from the cache, or narrow the scope of the analysis. If Discovery was running at the time you made your request, try again after Discovery completes.*

The default value should be sufficient in most cases. To avoid this issue, administrators can:

- narrow the scope of their action or analysis (in the case of some analyses, you can also use cached instead of real-time data)
- if the Discovery process is running, wait for it to complete.
- perform the action or analysis on a scheduled basis.

ControlPoint Application Administrators can modify server timeout by changing the Value of the ControlPoint Setting **Number of Seconds After Which Browser Reports Server Timeout**.

For example:

- If you are managing a very large farm and you want to be able to perform very large, time consuming actions and analyses, you may want to *increase* this value.

NOTE: The size of a search or analysis is also limited by the maximum number of line items that can be displayed in results. See [Maximum Line Items in Real-time Reports \(REPCAP\)](#).

- If you are managing a smaller farm and/or would like to have a server timeout reported more quickly, you can decrease this value.

NOTE: Remember that this value is specified in *seconds*.

## Idle Time Before Session is Terminated (STIMEOUT)

By default, the ControlPoint application session timeout property is set to 600. This value represents the number of minutes between requests after which a ControlPoint session times out. ControlPoint Application Administrators can modify the session timeout by changing the Value of the ControlPoint Setting **Idle Time Before Session is Ended**.

NOTE: This is an Advanced Setting.

NOTE: Remember that this value is specified in *minutes*. The maximum value for this setting is 525600.

## Maximum Size of Library in Which to Search for Web Part Pages (WEBPAGESLIMIT)

When either Discovery or an interactive Web Part analysis is run, document libraries are searched for Web Part Pages from which Web Parts are collected. Because this can be a resource-intensive process, by default only document libraries that have 50 items or fewer are searched. ControlPoint Application Administrators can, however, specify a different threshold by changing the Value of the ControlPoint Setting **Maximum Size of Library in Which to Search for Web Part Pages**.

Note that, at a higher threshold, more Web Part Pages will be searched, but the process will become more resource-intensive.

NOTE: If you want to include all document libraries in your search, regardless of size, set the threshold to **0**.

## Changing Settings to Improve Discovery Performance

These configuration settings display in the ControlPoint Settings list under the category **Discovery Performance**.

### Show Menu Items That Require Discovery (DiscoveryEnabled)

If the ControlPoint Discovery Service has been configured, operations and parameters which depend on data collected by the Discovery process are enabled. These include:

- Advanced Search
- Trend Analysis for Storage
- the following ControlPoint analysis parameters (where applicable):
  - the **Use cached data** option
  - the Site Collection Storage Analysis **View storage for** option.

When the ControlPoint Discovery Service is configured, the value of this setting is set to *True* automatically. If it is set to *False*, all operations requiring Discovery will be disabled

## Site Collections to Exclude from Full Discovery (URLEXCLUDE)

By default, the ControlPoint Discovery process runs on all site collections within your SharePoint farm. ControlPoint Application Administrations can, however, *exclude* site collections whose url contains a specified text string from both the nightly Discovery process and any interactive Discovery that is run on the entire farm.

NOTE: Remember that data in analyses run from cache can only be reported *up to* the date of the last Discovery

To exclude site collections that contain a particular text string from the Discovery process, enter the string as the Value for the ControlPoint Setting **Site Collections to Exclude from Full Discovery**. Enter multiple text strings as a comma-separated list.

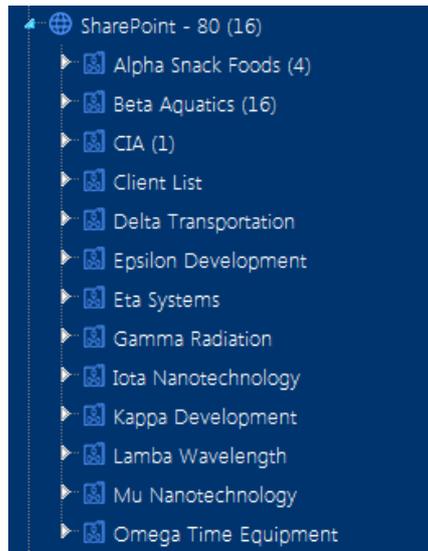
**CAUTION:** If any part of a site collection's url contains the text string you specified, it will be excluded from Discovery. Use caution in selecting strings to be sure you do not exclude more than you intend. For example, the excluded string of "Test" would exclude "My Test Site Collection" but would also exclude "Product Testing."

## Changing Default Settings for Navigation

These configuration settings display in the ControlPoint Settings list under the category **Navigation**.

# Postpone Security Trimming of SharePoint Hierarchy Until Site Collection is Expanded (PostponeSecurityTrim)

By default, the site collections to which a ControlPoint user has access are calculated when the application is launched or when the SharePoint Hierarchy or page is refreshed.

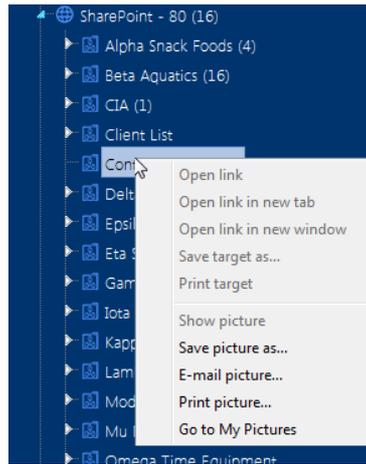


In an especially large SharePoint environment in which the user administers a large number of site collections within a Web application, the load-time may be significant. ControlPoint Application Administrators can, therefore, postpone security trimming until a Site Collection is expanded by changing the value of the ControlPoint Setting **Do Not Security-Trim SharePONT Hierarchy Until Site Collection Expansion (PostponeSecurityTrim)** from *false* to *true*.



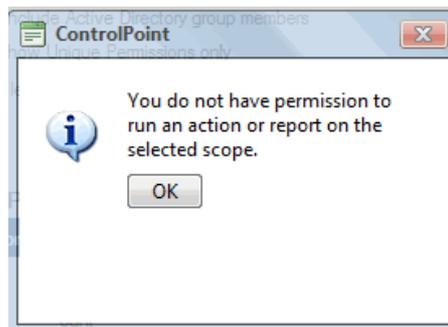
When this setting is true:

- All of the site collections within the SharePoint farm will display in the SharePoint Hierarchy, and
- security trimming will occur when a site collection is expanded; that is:
  - none of the sites below the site collection will display in the hierarchy, and
  - the ControlPoint right-click menu will be replaced with your browser-s right-click menu.



If a user attempts to perform an operation on a site collection for which they not have permissions *before* the site collection is expanded, a pop-up with following message displays when a ControlPoint operation is invoked:

You do not have permissions to run an action or report on the selected scope.



NOTE: Because all site collections will display in the SharePoint Hierarchy when this setting is enabled, it is recommended for use only with exceptionally large SharePoint environments where long loading time is an issue, and ideally, for which ControlPoint users are administrators for most (or all) of the site collections.

## Search Using Cached Data (CACHEDSEARCH)

By default, ControlPoint uses real time data to search the SharePoint Hierarchy for operations such as:

- Search Hierarchy
- Change Selection
- Copy/Move destination selection

The use of real-time data means that search results are always current and will include even sites that were created immediately before the search was initiated. It may also take more time to complete a search, depending on its scope. If ControlPoint users routinely conduct searches that include a large

numbers of objects, ControlPoint Application Administrators can configure ControlPoint to use data from the ControlPoint database cache (and thus speed up searches) by changing the Value of the ControlPoint Setting **Search Using Cached Data** from *false* to *true*.

NOTE: This setting applies to the *search* functionality only. The full browse tree always uses real-time data.

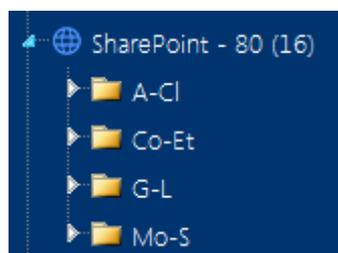
If cached data is used, search results will not include sites for which users only have permissions via a Web application policy.

NOTE: Data from this cache is current as of the last Discovery run.

## Maximum Number of Objects to Display Before Foldering (NAVCAP)

By default, the maximum number of child objects (that is, site collections, sites or lists) that can display directly beneath a single parent in the left navigation pane is 45. (That is, up to 45 site collections can display beneath a Web application, up to 45 sites beneath a site collection, and so on). This limit is set to provide you with predictable performance when opening nodes within the navigation tree; it takes additional time to open a node that contains a large number of objects.

If the number of child objects beneath a particular node exceeds the set limit, ControlPoint generates a series of subfolders which contain subsets of objects, grouped alphabetically, as shown in the example below.



ControlPoint Application Administrators can modify this number by changing the Value of the ControlPoint Setting **Maximum Number of Objects to Display Before Foldering**.

NOTE: While you may want to decrease this value, it is generally recommended that you not increase it, as performance may be negatively impacted and may trigger a warning message in the browser.

Edit Setting for Maximum Number of Objects to Display Before Foldering

Setting Name: Maximum Number of Objects to Display Before Foldering

Internal Name: NAVCAP

Current Value: 45

New Value:

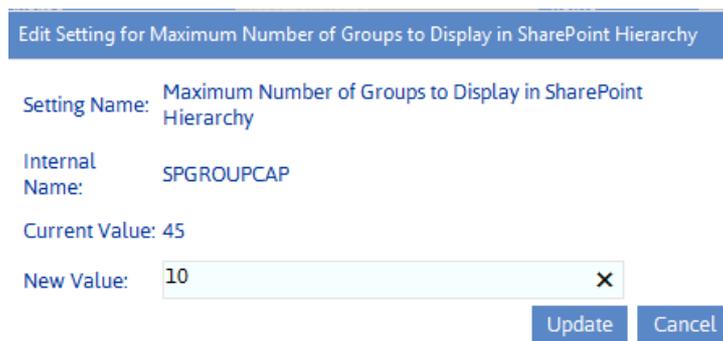
This setting applies to site collections, sites, and lists. The maximum number of SharePoint *users* and *groups* that display beneath a site are configured via different parameters. See:

- [Maximum Number of SharePoint Groups to Display in SharePoint Hierarchy \(SPGROUPCAP\)](#)
- [Maximum Number of Users to Display in SharePoint Hierarchy \(SPUSERCAP\)](#)

## Maximum Number of SharePoint Groups to Display in SharePoint Hierarchy (SPGROUPCAP)

By default, up to 45 SharePoint **Groups** can display beneath a site in the SharePoint Hierarchy.

ControlPoint Application Administrators can, however, modify this number by changing the **Maximum Number of SharePoint Groups to Display in SharePoint Hierarchy** Value.



Edit Setting for Maximum Number of Groups to Display in SharePoint Hierarchy

Setting Name: Maximum Number of Groups to Display in SharePoint Hierarchy

Internal Name: SPGROUPCAP

Current Value: 45

New Value:

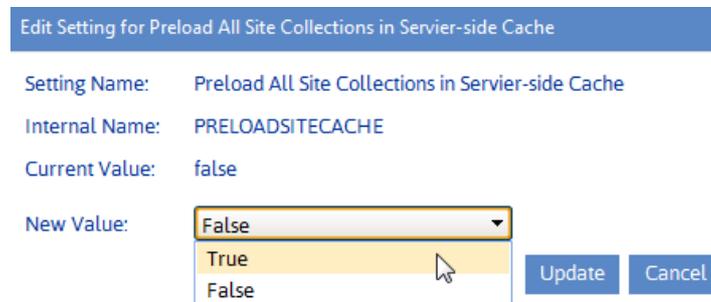
Update Cancel

If the number of SharePoint groups with permissions to a site is greater than the specified parameter value, the list will be truncated. For example, if you set the **Maximum Number of SharePoint Groups to Display in SharePoint Hierarchy** Value to 10, and 12 groups have permissions to a site, the first 10 groups (in alphabetical order) will display in the Groups folder. (Remember, however, that the total number of groups with permissions for the site displays in parentheses to the right of the Group folder.)

## Preload All Site Collections in Server-side Cache (PRELOADSITECACHE)

By default, whenever you expand a Web application in the SharePoint Hierarchy, site collections are loaded—and any folders within which site collections are grouped are built—in real time. For Web applications that contain an excessively large number of site collections (such as thousands of MySites), the time it takes to expand a Web application may be prohibitively long.

ControlPoint Application Administrators can configure ControlPoint to load site collections and folders from a server-side memory cache—so that the contents of Web applications can be displayed immediately—by changing the Value for the ControlPoint Setting **Preload All Site Collections in Server-side Cache** from *false* to *true*.



Edit Setting for Preload All Site Collections in Server-side Cache

Setting Name: Preload All Site Collections in Server-side Cache

Internal Name: PRELOADSITECACHE

Current Value: false

New Value:

This server-side cache is updated on the first request to ControlPoint after its application pool is recycled. If IIS is configured for a nightly recycle, the restart would occur shortly thereafter. Normally the first request is from the ControlPoint Scheduled Job Review task. The server-side cache can also be refreshed on an as-needed basis from the Manage ControlPoint panel.

NOTE: The child objects within a site collection are not affected by this setting and will always load in real-time.

Whenever the **Preload All Site Collections in Server-side Cache** Value is changed, the application pool must be recycled for the change to take effect.

## Show SharePoint Groups with No Permissions in Hierarchy (ShowNoPermSPGroup)

By default, SharePoint groups display in the SharePoint Hierarchy and group pickers only if they have an associated permissions level. This prevents the navigation tree from being cluttered with groups that do not have an associated permissions level, and therefore are not being actively used in SharePoint.

ControlPoint Application Administrators can, however, choose to display groups without permissions in the ControlPoint application interface by changing the Value of the ControlPoint Configuration Setting ShowNoPermSPGroup from the default (*false*) to either:

- **True** (to have groups without permissions display in both the SharePoint Hierarchy and group pickers)

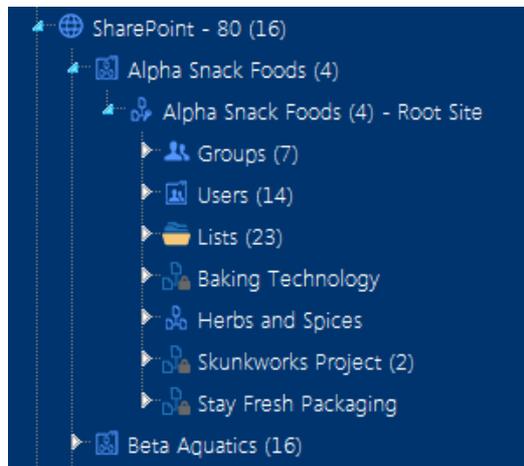
OR

- **False** (to have groups without permissions display in group pickers but *not* in the SharePoint Hierarchy).

For example, you may choose not to clutter the SharePoint Hierarchy with groups that have no permissions, yet you may want to have them available to choose from when performing a ControlPoint action such as Set SharePoint Group Permissions.

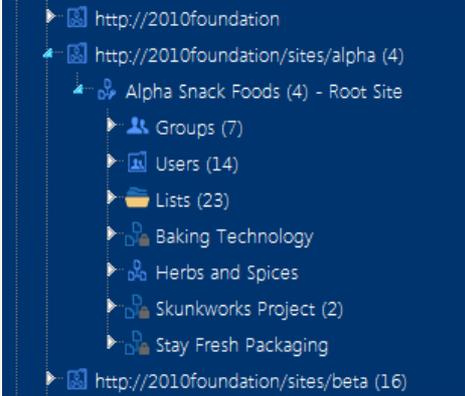
## Display url or Site Name in SharePoint Hierarchy (SHOWURLASTITLE)

By default, SharePoint site collections and sites are identified by Title in the SharePoint Hierarchy, Search Hierarchy, and other areas of the application that include a browse tree (such as Change Selection and Copy/Move destination selection).



ControlPoint Application Administrators can, however, choose to display site collections and sites by changing the Value of the ControlPoint Configuration Setting Display url or Site Name in SharePoint Hierarchy to one of the options below.

If you want to have...	Then change the Value for SHOWURLASTITLE to ...
both site collections and sites identified by url	<p><b>true.</b></p>  <p>A screenshot of the SharePoint Hierarchy interface where site collections and sites are identified by their URLs. The root node is 'http://2010foundation/sites/alpha (4)'. Underneath it is 'http://2010foundation/sites/alpha (4) - Root Site'. This root site contains several sub-items: 'Groups (7)', 'Users (14)', 'Lists (23)', 'http://2010foundation/sites/alpha/baking', 'http://2010foundation/sites/alpha/skunkworks (', 'http://2010foundation/sites/alpha/spices', and 'http://2010foundation/sites/alpha/stayfresh'. Below the root site is another site collection, 'http://2010foundation/sites/beta (16)'.</p>

If you want to have...	Then change the Value for SHOWURLASTITLE to ...
<ul style="list-style-type: none"> <li>• site collections identified by url and</li> <li>• sites identified by name</li> </ul>	<p><b>SiteColOnly.</b></p> 

Edit Setting for Display URL Instead of Site Name in SharePoint Hierarchy

Setting Name: Display URL Instead of Site Name in SharePoint Hierarchy

Internal Name: SHOWURLASTITLE

Current Value: false

New Value: 

False

True

False

Site Collections Only

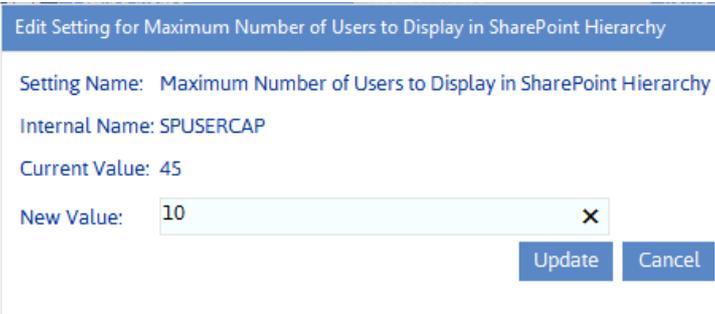
Regardless of the setting, the alternate way of displaying the title—along with the object's GUID—can be viewed as a tool tip when the cursor is placed over the object icon.

# Maximum Number of Users to Display in SharePoint Hierarchy (SPUSERCAP)

By default, up to 45 SharePoint **Users** can display beneath a site in the SharePoint Hierarchy

(Note that the Users folder contains only SharePoint users who have been granted *direct* permissions for a site.)

ControlPoint Application Administrators can, however, modify this number by changing the **Maximum Number of Users to Display in SharePoint Hierarchy Value**.



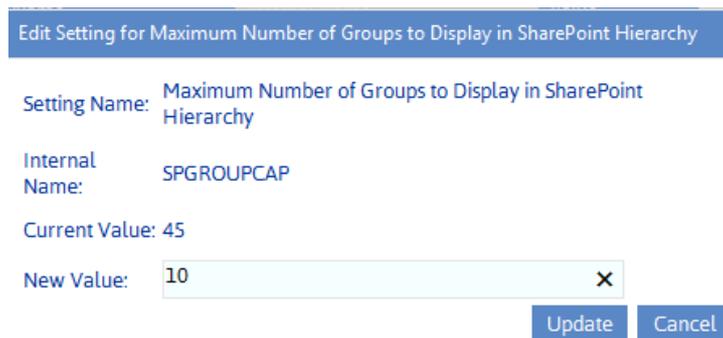
Setting Name: Maximum Number of Users to Display in SharePoint Hierarchy  
Internal Name: SPUSERCAP  
Current Value: 45  
New Value: 10  
Update Cancel

If the number of SharePoint users is greater than the specified parameter value, the list will be truncated. For example, if you set the **Maximum Number of Users to Display in SharePoint Hierarchy Value** to 10, and 12 users have direct permissions to a site, *the first 10 users* (in alphabetical order) will display in the Users folder. (Remember, however, that the total number of users with direct permissions for the site displays in parentheses to the right of the user folder.

# Maximum Number of SharePoint Groups to Display in SharePoint Hierarchy (SPGROUPCAP)

By default, up to 45 SharePoint **Groups** can display beneath a site in the SharePoint Hierarchy.

ControlPoint Application Administrators can, however, modify this number by changing the **Maximum Number of SharePoint Groups to Display in SharePoint Hierarchy** Value.



Edit Setting for Maximum Number of Groups to Display in SharePoint Hierarchy

Setting Name: Maximum Number of Groups to Display in SharePoint Hierarchy

Internal Name: SPGROUPCAP

Current Value: 45

New Value:

Update Cancel

If the number of SharePoint groups with permissions to a site is greater than the specified parameter value, the list will be truncated. For example, if you set the **Maximum Number of SharePoint Groups to Display in SharePoint Hierarchy** Value to 10, and 12 groups have permissions to a site, the first 10 groups (in alphabetical order) will display in the Groups folder. (Remember, however, that the total number of groups with permissions for the site displays in parentheses to the right of the Group folder.)

# Maximum Number of Users to Act On (MAXUSERSFORACTION)

By default, when you want to run a ControlPoint action that operates on SharePoint users, up to two thousand (2000) users may be included in the operation, as determined by the People Picker entry. Before running the action, ControlPoint evaluates the number of users included in the People Picker entry, and if it exceeds the maximum number allowed, the action is not carried out and the following message is recorded in the ControlPoint Task Audit:

The number of users (*[numusers]*) has exceeded the allowable threshold of *[maxusers]*.

This setting is especially useful as a "safety net" when an operation allows wildcards to be used in the People Picker and could potentially act on more users than intended.

ControlPoint Application Administrators can, however, specify a different limit by changing the Value of the ControlPoint Configuration Setting **Maximum Number of Users to Act on**.

NOTE: This is an Advanced Setting.

Edit Setting for Maximum Number of Users to Act On

Setting Name: Maximum Number of Users to Act On

Internal Name: MAXUSERSFORACTIONS

Current Value: 2000

New Value:

NOTE: This setting does *not* apply to users within the scope of a SharePoint User Profile property selection, for which no maximum is enforced.

## Changing Trace Switch Logging Levels

ControlPoint contains a number of trace switches that control the type and level of detail that is captured in the ControlPoint Administration (xcAdmin) log. [Quest Support](#) may suggest that one or more of these be changed for diagnosis and troubleshooting purposes.

NOTE Trace switches are Advanced settings.

Valid values for all trace switches, listed from least to most detail, are:

- Disabled
- Error (the default)
- Warnings
- Info
- Verbose

Errors ▾

Disabled

Errors

Warnings

Info

Verbose

Note that as the logging level increases, the amount of detail is "additive." For example, if you select the logging level Info, then Errors and Warnings will also be included.

If you want to change the logging level for...	Edit the following setting ...
the SharePoint hierarchy building for navigation and selection	SharePoint Hierarchy Access Logging
the amount of time it takes the SharePoint Hierarchy to load	SharePoint Hierarchy Load Time Logging

<b>If you want to change the logging level for...</b>	<b>Edit the following setting ...</b>
reports and actions general processing	Traverse Entry Logging
	Additional Traverse Entry Logging
the interaction between ControlPoint and databases	Database Interaction Logging
the validation of SharePoint users by ControlPoint	SharePoint Access Logging
aspx page major events	aspx Page Major Event Logging
the interaction between ControlPoint and Active Directory	Active Directory Interactions Logging
operations performed by the ControlPoint Scheduler	ControlPoint Scheduler Logging
the management of linked SharePoint groups	Manage Linked SharePoint Group Logging
WCF Services calls	WCF Service Call Logging
ControlPoint Policies and Site Provisioning operations	ControlPoint Policies Logging
copy/move at set site properties operations	Copy/Move and Set Site Properties Logging
non-specific events	Non-Specific Event Logging
Audit Log archiving	Audit Log Archive Logging
Workflow reporting for the Comprehensive User Analysis	Comprehensive User Workflow Report Logging
access to the Managed Metadata Service Application database	Managed Metadata Service Application Database Access Logging
ControlPoint operations performed via PowerShell	PowerShell Processing Logging
Set List properties operations	Set List Properties Logging
Social Activity Analysis processing	Social Activity Analysis Logging
ControlPoint Statistics Lists calculations	Statistics Lists Calculation Logging
the ControlPoint Database Recovery operation	ControlPoint Database Recovery Logging

# Changing Default Settings for Compliance

These configuration settings display in the ControlPoint Settings list under the category **Compliance**, and apply when Sensitive Content Manager is installed in your environment.

## Compliance Endpoints

As an alternative to setting all Sensitive Content Manager EndPoints via the [Sensitive Content Manager Configuration Maintenance](#) dialog (the recommended method) you can set them individually.

The Value of each Compliance EndPoint must be set to point to the server(s) on which Sensitive Content Manager is configured your environment. Use the information in the following table for guidance.

EndPoint	Sensitive Content Manager Configuration Maintenance Equivalent
Web Services Endpoint for Compliance Scan Upload (ComplianceUploadURL)	Sensitive Content Manager Upload EndPoint
Web Services Endpoint for Compliance Scan Results (ComplianceResultsURL)	Sensitive Content Manager Results EndPoint
Web Services Endpoint for Compliance Profile Requests (ComplianceProfileURL)	Sensitive Content Manager Profile EndPoint
ComplianceSubQuestionURL	Sensitive Content Manager Search Terms

# Compliance Alert Email Text

When a Compliance Action Rule specifies that an alert be sent, ControlPoint automatically sends an email for the applicable severity level to the appropriate user(s)..

ControlPoint Application Administrators can, however, modify the default text, as described in the following table.

If you want to change the text of the email that is sent to alerted user(s) when ...	Then change the Parameter of the ControlPoint Setting ....	From the default text...
the threat level is Mild	<b>ComplianceMildLevelThreatsEmailBody</b>	The document @@DocumentName@@ in the location @@ListUrl@@ contains content that has been identified as posing a Mild level of threat, and Metalogix ControlPoint has taken the following compliance action: @@Action@@.
the threat level is Moderate	<b>ComplianceModerateLevelThreatsEmailBody</b>	The document @@DocumentName@@ in the location @@ListUrl@@ contains content that has been identified as posing a Moderate level of threat, and Metalogix ControlPoint has taken the following compliance action: @@Action@@.
the threat level is Severe	<b>ComplianceSevereLevelThreatsEmailBody</b>	The document @@DocumentName@@ in the location @@ListUrl@@ contains content that has been identified as posing a Severe level of threat, and

If you want to change the text of the email that is sent to alerted user(s) when ...	Then change the Parameter of the ControlPoint Setting ....	From the default text...
		Metalogix ControlPoint has taken the following compliance action: @@Action@@.

Where the following variables are used:

- @@DocumentName@@ is the name of the item that contains the non-compliant content.
- @@ListUrl@@ is the location of the list that contains the non-compliant item
- @@Action@@ is the Compliance Action that has been carried out.

## Scan List Item Text in Addition to Attachments (IncludeTextWhenScanning)

By default, Metalogix Sensitive Content Manager scans the text within a list itself, in addition to scanning files and attachments. ControlPoint Application Administrators can have the scan apply to files and attachments only, by changing the value of the ControlPoint Configuration Setting **Include text in list items in addition to files when performing Content Analysis** from *true* to *false*.

Edit Setting for Scan List ItemText in Addition to Attachments

Setting Name: Scan List ItemText in Addition to Attachments

Internal Name: IncludeTextWhenScanning

Current Value: true

New Value:

Update
Cancel

NOTE: This is an Advanced Setting and can also be set on the [Sensitive Content Manager Configuration Maintenance dialog](#).

## Managing Site Provisioning Settings

These configuration settings display in the ControlPoint Settings list under the category **Provisioning**.

# Maximum Number of Provisioning Requests in Completed and Rejected Folders

By default, ControlPoint keeps a maximum of 2000 items in each of the following Site Provisioning Manager View filters:

- **Completed**
- **Rejected**

When this limit is reached, ControlPoint creates an "archive" view with a date and time stamp. A new archive view is created every time the specified limit is reached.

ControlPoint Application Administrators can, however, specify a different maximum number of requests to display in a view by changing the Value of the ControlPoint Setting **Maximum Number of Provisioning Requests in Completed and Rejected Folder**.

## Changing the Subject and/or Body of Provisioning Request Emails

You can change the default subject line and/or body text of the emails that are automatically sent to the requester of a new site collection or site, as described in the following table.

NOTE: These are Advanced Settings.

<b>If you want to change ...</b>	<b>Then change the Parameter of the ControlPoint Setting ....</b>	<b>From the default text...</b>
the subject line of the email that is sent to the requester when a site provisioning request is received and registered	<b>Subject Line for Provisioning Request Registered email</b>	Your request for a new site.
the text of the email that is sent to the requester when a site provisioning request is received and registered	<b>Text for Provisioning Request Registered email</b>	Your request for '@@REQUESTNAME@@" with id '@@REQUESTKEY@@" has been registered.

the Subject line of the email that is sent to the requester when a request has been approved, then completed	<b>Subject Line for Provisioning Request Completed email</b>	Your new site is ready for use.
the text of the email that is sent to the requester when a request has been approved, then completed	<b>Text for Provisioning Request Completed email</b>	Your request '@@REQUESTKEY@@' has been completed and is ready for use.
the subject line of the email that is sent to the requester when a site provisioning request is rejected	<b>RequestRejectedEmailSubject</b>	Your request for a new site or site collection has been rejected.
the text of the email that is sent to the requester when a site provisioning request is rejected	<b>Text for Provisioning Request Rejected email</b>	Unfortunately, your request for '@@REQUESTNAME@@' at '@@REQUESTURL@@' with id '@@REQUESTKEY@@' has been rejected.

NOTE: '@@REQUESTKEY@@' is a variable that is populated with the confirmation GUID that is generated when a request is submitted. '@@REQUESTNAME@@' is a variable that is populated with the name requested for the the site.

## Setting Preferences for the ControlPoint Scheduler

These configuration settings display in the ControlPoint Settings list under the category **ControlPoint Scheduler**.

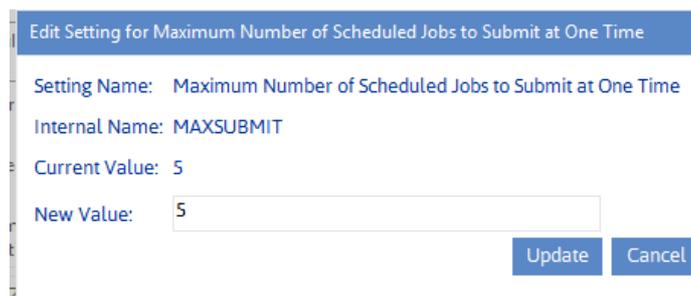
## Maximum Number of Scheduled Jobs to Submit at One Time (MAXSUBMIT)

By default, up to five scheduled jobs can run at any one time. For example, if three scheduled jobs are running at the time the ControlPoint scheduler task next checks the queue for pending jobs, an additional two jobs will be submitted.

ControlPoint Application Administrators can change this number by updating the Value of the ControlPoint Setting **Maximum Number of Scheduled Jobs to Submit at One Time**.

For example:

- You may want to *increase* this number if jobs are generally scheduled to run when system usage is low, to allow more of them to run concurrently.
- You may want to *decrease* this number if interactive performance of your farm is being affected by the processing of scheduled jobs.



Edit Setting for Maximum Number of Scheduled Jobs to Submit at One Time

Setting Name: Maximum Number of Scheduled Jobs to Submit at One Time

Internal Name: MAXSUBMIT

Current Value: 5

New Value:

Update Cancel

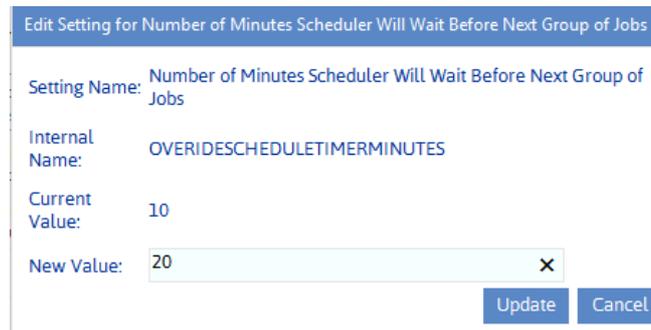
This setting can be used in conjunction with [Number of Minutes Scheduler Will Wait Before Next Group of Jobs \(OVERIDESCHEDULETIMERMINUTES\)](#) to fine-tune the behavior of the ControlPoint scheduler.

## Number of Minutes Scheduler Will Wait Before Next Group of Jobs (OVERIDESCHEDULETIMERMINUTES)

The SharePoint timer service prompts the ControlPoint scheduler task to run every 10 minutes. By default, it checks for and initiates the running of scheduled jobs during every "wake-up."

The ControlPoint Application Administrator can, however, have jobs run less frequently by increasing the Value of the ControlPoint Setting **Number of Minutes Scheduler Will Wait Before Next Group of Jobs** by increments of 10.

NOTE: Ten minutes is the *minimum* value that can be specified, as that is the interval at which the SharePoint timer task actually runs.



Setting Name: Number of Minutes Scheduler Will Wait Before Next Group of Jobs  
Internal Name: OVERIDESCHEDULETIMERMINUTES  
Current Value: 10  
New Value: 20  
Update Cancel

When this setting has been increased, the following message will display in the Schedule Details section of the scheduler interface:

*The ControlPoint scheduler is currently set to submit jobs that are due for processing every XX minutes.*

This setting can be used in conjunction with [Maximum Number of Scheduled Jobs to Submit at One Time](#) to fine-tune the performance of the ControlPoint scheduler.

## Maximum Line Items in Scheduled Report Results (SCHEDULEDREPCAP)

By default, when a ControlPoint analysis is run on a schedule, up to 40,000 line items can be returned.

If the number of line items exceeds the maximum number, ControlPoint generates the following message, which displays in the analysis output file, in place of results:

*This report has more rows than the current row limit of xxxx. You can raise the limit. You can also narrow the scope or parameters of the analysis.*

You can change the maximum number of line items in a scheduled analysis by changing the Value of the ControlPoint Setting **Maximum Line Items in Scheduled Report Results**.

For example, this value may be *increased* if the output of exceptionally large analyses are routinely posted to a SharePoint library. Conversely, this value may be *decreased* if analysis output is generally emailed to distribution lists and your mail system imposes attachment size limits.

## Defining "Admins" for Scheduled Analysis Results Distribution (SiteAdminCriteria)

ControlPoint provides the option of having scheduled analysis results distributed to administrators responsible for sites within the selected scope. ControlPoint Application Administrators must specify the users and/or groups that should fall within the definition of "Admins" by updating the Value of the ControlPoint Configuration Setting **SiteAdminCriteria** with one or more of the following values:

- Members of the Site Owners Group
- All users with a permissions level specified in the ControlPoint Configuration Setting [Permissions Level for Site Admin Definition for Scheduled Report Distribution](#) .
- All members of the Site Collection Administrators group.

Enter multiple values as a comma-separated list.

Dialog box titled "Edit Setting for Site Admin Definition for Scheduled Report Distribution".

Setting Name: Site Admin Definition for Scheduled Report Distribution

Internal Name: SiteAdminCriteria

Current Value: 0

New Value:  (dropdown menu)

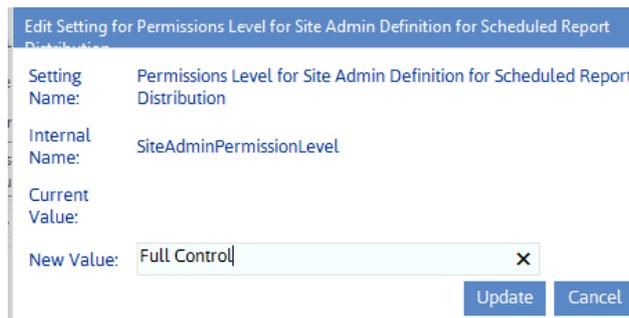
- None
- Site Owners Group
- All users with Permissions Level for Site Admin Definition (highlighted)
- All Site Collection Admins

Buttons: Update, Cancel

NOTE: Users who meet site admin criteria are captured during the Discovery process.

## Permissions Level for Site Admin Definition for Scheduled Report Distribution (SiteAdminPermissionLevel)

The ControlPoint Configuration Setting SiteAdminCriteria can be set to include users with a specified permissions level in the definition of "Admins" for the distribution of scheduled analysis results. ControlPoint Application Administrators can specify that permissions level as the Value of the ControlPoint Configuration Setting **SiteAdminPermissionLevel**.



Dialog box titled "Edit Setting for Permissions Level for Site Admin Definition for Scheduled Report Distribution".

Setting Name:	Permissions Level for Site Admin Definition for Scheduled Report Distribution
Internal Name:	SiteAdminPermissionLevel
Current Value:	
New Value:	Full Control

Buttons: Update, Cancel

NOTE: Only one permissions level may be entered.

## Changing Settings for Anomalous Activity Detection

The following ControlPoint Sentinel Anomalous Activity Detection settings display under the category **Audit Log**.

- [Enabling Anomalous Activity Detection via the ControlPoint Scheduled Job Review](#)
- [Changing the Subject and/or Body of Anomalous Activity Detection Emails](#)

## Enabling Anomalous Activity Detection via the ControlPoint Scheduled Job Review

As part of preparing your environment for using ControlPoint Sentinel, Anomalous Activity Detection must be enabled to run:

- via the ControlPoint Anomalous Activity Detection job in Central Administration
- OR
- as part of the ControlPoint Scheduled Job Review, by changing the ControlPoint Setting Enable Options That Require Anomalous Activity Detection from *False* to *True*.

NOTE: This is an Advanced Setting in the **Audit Log** category.

Edit Setting for Enable Options That Require Anomalous Activity Detection

Setting Name: Enable Options That Require Anomalous Activity Detection

Internal Name: ANOMALOUSACTIVITYENABLED

Current Value: false

New Value:

True

True

False

See also "Preparing Your Environment for Using ControlPoint Sentinel" in the *ControlPoint for Office 365 User Guide*.

## Changing the Subject and/or Body of Anomalous Activity Detection Emails

When a ControlPoint Sentinel Anomalous Activity Rule specifies that an email alert be sent when an Anomalous Activity Limit has been exceeded, ControlPoint automatically sends an email for the to the appropriate user(s).

ControlPoint Application Administrators can, however, modify the default subject and/or body text, as described in the following table.

If you want to change the text of the ...	Then change the Parameter of the ControlPoint Setting ....	From the default text...
email Subject	<b>Subject Line for ControlPoint Anomalous activity Detection email (AADActivityLevelEmail Subject)</b>	ControlPoint Anomalous activity Detection.
email body	<b>ControlPoint Anomalous activity Detection Email Message (AADActivityLevelEmailBody)</b>	<p>@@UserName@@ has exceeded the personal daily activity limit of @@limit@@ by @@overage@@.</p> <p>Where the following variables are used:</p> <ul style="list-style-type: none"> <li>• @@UserName@@ is the account name of the user</li> </ul>

If you want to change the text of the ...	Then change the Parameter of the ControlPoint Setting ....	From the default text...
		<p>who has exceeded his/her daily activity limit</p> <ul style="list-style-type: none"> <li>• @@limit@@ is the daily activity limit characterized by ControlPoint Sentinel</li> <li>• @@overage@@ is the amount by which the user has exceeded the activity limit for that day.</li> </ul>

## Miscellaneous and Custom Configuration Settings

These configuration settings display in the ControlPoint Settings list under the category **Miscellaneous and Custom**.

### SQL Server Connection String for xcAdmin Database (xcAdminConnectionString)

The ControlPoint Setting SQL Sever Connection String for xcAdmin Database is populated at the time ControlPoint is installed, based on the SQL server identified as the location for the ControlPoint Services Database.

The screenshot shows a dialog box titled "Edit Setting for SQL Server Connection String for xcAdmin Database". It contains the following information:

- Setting Name:** SQL Server Connection String for xcAdmin Data
- Internal Name:** xcAdminConnectionString
- Current Value:** Data Source=qa2013foundatio;Initial Catalog=xcAdmin;Persist Security Info=True;Integrated Security=True
- New Value:** Data Source=qa2013foundatio;Initial Catalog=xcAdm

At the bottom right, there are two buttons: "Update" and "Cancel".

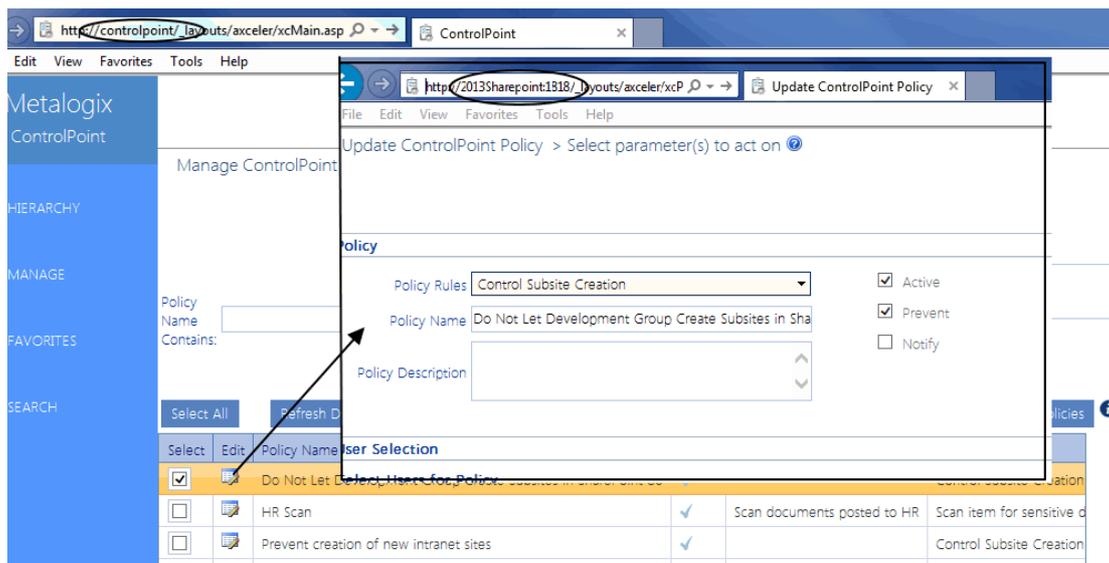
The xcAdminConnectionString Value should be modified only under rare and special circumstances (for example, if the location of the ControlPoint Services database or the authentication method for connecting to the database has changed).

**IMPORTANT:** Currently, if you need to modify the connection string, you will need to update the parameter `<connectionStrings>` in the **CPConfiguration.exe.config** file on the machine where ControlPoint Online is installed (located by default in the directory **C:\Program Files\Metalogix\ControlPoint Online\ControlPointFeatures**). If you update the SQL Server Connection String for xcAdmin Database setting directly, it will be overwritten the next time you upgrade ControlPoint. However, the setting will reflect any changes made in the config file.

## Url for ControlPoint Outside the Default Zone (INBOUNDCONTROLPOINTURL)

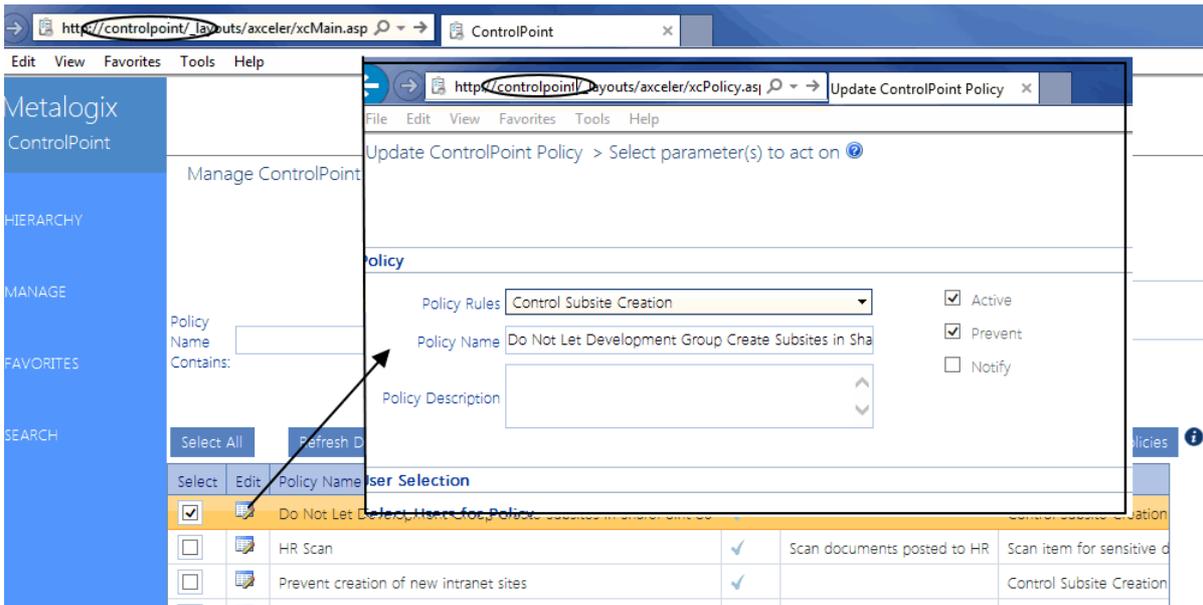
When ControlPoint is first installed, the ControlPoint Setting **Inbound ControlPoint URL** is populated with the value <http://<MACHINENAME>:<portnumber>> where MACHINENAME is the name of the server on which ControlPoint is installed and <portnumber> is the port number used for the ControlPoint Web application.

If an alternate access mapping or SSL is used to access ControlPoint, this default URL will continue to be used to access another ControlPoint page from within the the application.



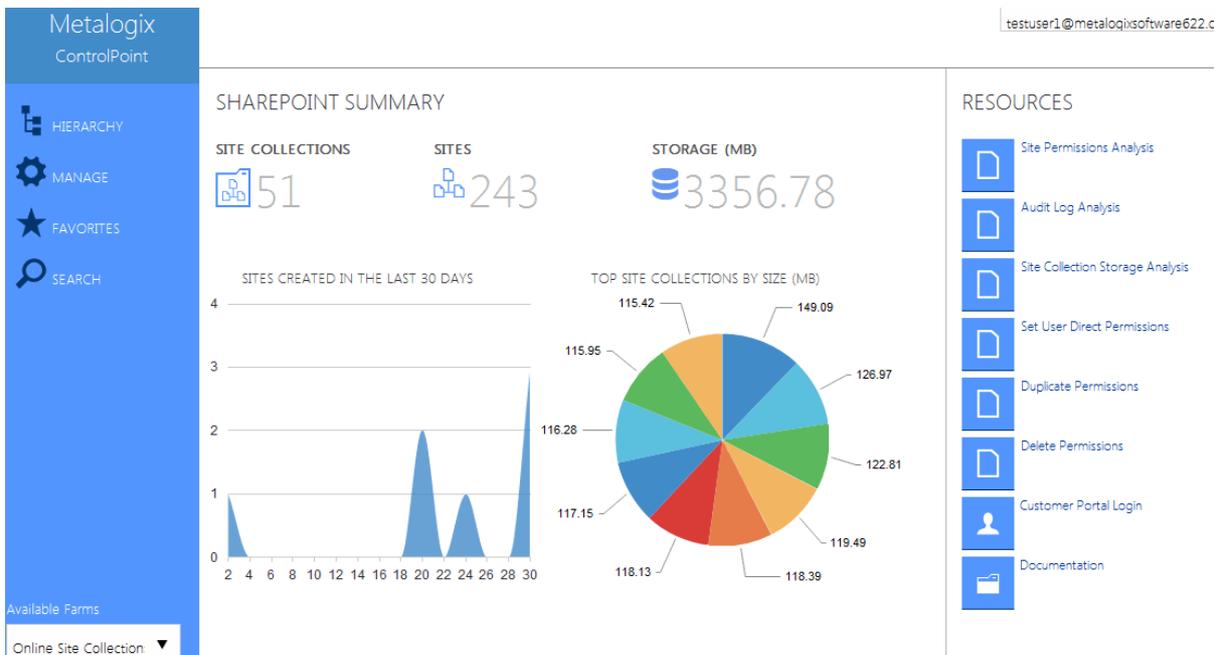
ControlPoint Application can, however, ensure that the alternate URL is used instead by specifying it as the value of the ControlPoint Setting **Inbound ControlPoint URL**.

**NOTE:** This is an Advanced Setting.



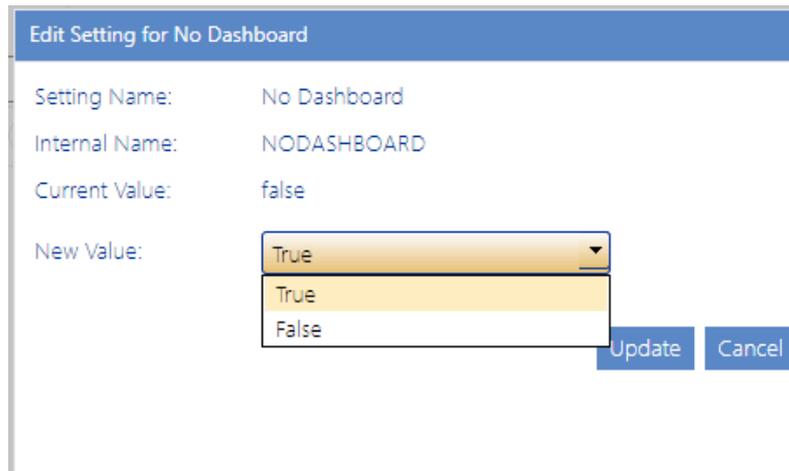
## No Dashboard (NODASHBOARD)

By default, whenever you log into ControlPoint or refresh your browser, the right pane displays a dashboard which includes statistics about your SharePoint as well as links to popular ControlPoint features.



ControlPoint Application Administrators can, however, choose to display a blank page by changing the Value of the ControlPoint Setting **No Dashboard** from *False* to *True*.

NOTE: This is an Advanced Setting.



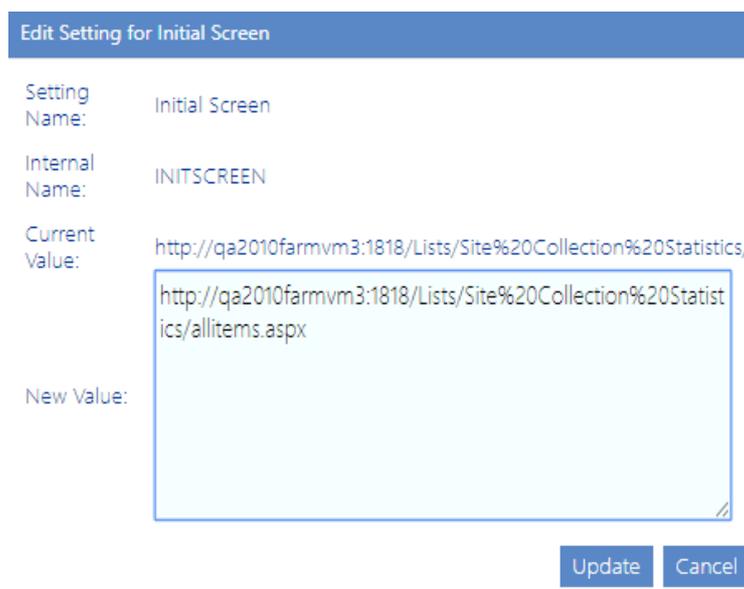
Setting Name: No Dashboard  
Internal Name: NODASHBOARD  
Current Value: false  
New Value: True  
Update Cancel

This setting can also be used in conjunction with the setting [Initial Screen](#) to display a web page of your choice.

## Initial Screen (INITSCREEN)

If the ControlPoint Setting [No Dashboard](#) is set to *True*, ControlPoint Application Administrators can customize the content that displays when users log into ControlPoint or refresh their browsers by entering a web page url as the Value of the ControlPoint Setting **Initial Screen**.

NOTE: This is an Advanced Setting.



Setting Name: Initial Screen  
Internal Name: INITSCREEN  
Current Value: http://qa2010farmvm3:1818/Lists/Site%20Collection%20Statistics/  
New Value: http://qa2010farmvm3:1818/Lists/Site%20Collection%20Statistics/allitems.aspx  
Update Cancel

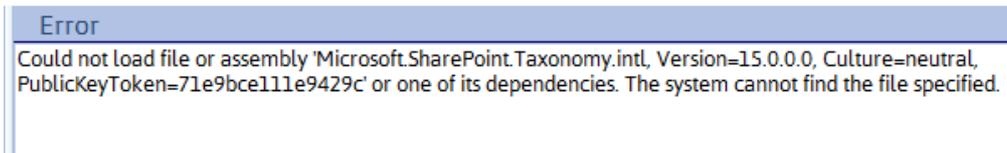
	Site Collection Name	URL	# Sites	# Lists	# Files	Total Size (MB)	Requests Last Day	#
<b>Libraries</b>								
ControlPoint Menus	Absence and Vacation Schedule (excluded from Discovery)	http://qa2010farmvm3:24832/sites/Schedule	2	30	238	4.27	0	
<b>Lists</b>								
ControlPoint Settings	Blank Site (excluded from Discovery)	http://qa2010farmvm3:24832/sites/blanksite	2	18	157	1.89	0	
Farm Statistics	Budget Tracking (excluded from Discovery)	http://qa2010farmvm3:24832/sites/budget	1	19	1,457	2.96	0	
Web Application Statistics								
<b>Site Collection Statistics</b>	ControlPoint Configuration Site	http://qa2010farmvm3:1818	1	18	405	2.9	0	
<b>Custom Properties</b>								
	DC BUG239152-1	http://qa2010farmvm3:36969	1	23	265	52.53	0	
<b>Discussions</b>								
	DC BUG239152-1	http://qa2010farmvm3	1	23	264	27.51	0	
<b>Recycle Bin</b>								
	DC BUG239152-2 (excluded from Discovery)	http://qa2010farmvm3:36969/sites/DC BUG239152-2	1	23	265	52.53	0	
<b>All Site Content</b>								
	DC BUG239152-2 (excluded from Discovery)	http://qa2010farmvm3/sites/DC BUG239152-2	1	23	260	2.5	0	

If you are using Chrome as your browser and the [Content Security Policy \(CSP\) is enabled for the web page](#), ControlPoint will be unable to load the page content.

## Special-Purpose Configuration Settings

### Enable Additional Tracing and Logging (DEVENV)

By default, whenever an exception is thrown, a brief message displays in the ControlPoint user interface.



ControlPoint Application Administrators can, however, make additional logging and tracing available by changing the Value of the ControlPoint Setting **Advanced Logging and Tracking** from *false* to *true*.

NOTE: This is an Advanced Setting.

This additional logging and tracing and is used to assist [Quest Support](#) with troubleshooting and problem-solving.

```
Error
System.IO.FileNotFoundException: Could not load file or assembly 'Microsoft.SharePoint.Taxonomy.intl, Version=15.0.0.0, Culture=neutral,
PublicKeyToken=71e9bce111e9429c' or one of its dependencies. The system cannot find the file specified.
File name: 'Microsoft.SharePoint.Taxonomy.intl, Version=15.0.0.0, Culture=neutral, PublicKeyToken=71e9bce111e9429c'
   at System.Reflection.RuntimeAssembly._nLoad(AssemblyName fileName, String codeBase, Evidence assemblySecurity, RuntimeAssembly locationHint,
StackCrawlMark& stackMark, IntPtr pPrivHostBinder, Boolean throwOnFileNotFound, Boolean forIntrospection, Boolean suppressSecurityChecks)
   at System.Reflection.RuntimeAssembly.InternalLoadAssemblyName(AssemblyName assemblyRef, Evidence assemblySecurity, RuntimeAssembly reqAssembly,
StackCrawlMark& stackMark, IntPtr pPrivHostBinder, Boolean throwOnFileNotFound, Boolean forIntrospection, Boolean suppressSecurityChecks)
   at System.Reflection.RuntimeAssembly.InternalLoad(String assemblyString, Evidence assemblySecurity, StackCrawlMark& stackMark, IntPtr pPrivHostBinder, Boolean
forIntrospection)
   at System.Reflection.RuntimeAssembly.InternalLoad(String assemblyString, Evidence assemblySecurity, StackCrawlMark& stackMark, Boolean forIntrospection)
   at System.Reflection.Assembly.Load(String assemblyString)
   at Microsoft.SharePoint.Taxonomy.Internal.Resources..cctor()
```

WRN: Assembly binding logging is turned OFF.  
To enable assembly bind failure logging, set the registry value [HKLM\Software\Microsoft\Fusion!EnableLog] (DWORD) to 1.  
Note: There is some performance penalty associated with assembly bind failure logging.  
To turn this feature off, remove the registry value [HKLM\Software\Microsoft\Fusion!EnableLog].

## ControlPoint Online-Specific Settings

The following configuration settings apply specifically to ControlPoint Online and can be found under the category **Cloud**.

### Audit Log Report Data Library (HostedAuditLogReportList)

This setting is no longer used and will be removed in a future release.

## Additional Configuration Settings for the Hosted Environment

Normally, the following settings will never need to be changed.

**HOSTEDFARMGUID** - The GUID that ControlPoint Online assigns to the group of site collections (also known as the "virtual farm") to be managed.

**HOSTEDFARMNAME** - The name of the server on which the ControlPoint Online application is installed, which is used by the application to identify the "virtual farm."

**HOSTEDUSERPREFIX** - The default value is the prefix used by Office 365 for Claims-based authentication. If you are using a hosting provider other than Office 365, this parameter should be left blank.

# Site Collections to Exclude from SharePoint Hierarchy (HostedExcludeURLs)

By default, the site collections to which a ControlPoint user has administration rights are calculated when the application is launched or when the SharePoint Hierarchy or page is refreshed. In an especially large SharePoint environment, the load-time may be significant.

ControlPoint Application Administrations can, however, *exclude* site collections whose url contains a specified text string from this calculation by entering the string as the Value for the ControlPoint Setting **Site Collections to Exclude from SharePoint Hierarchy**. You may, for example, want to exclude all users' personal sites from the calculation.

Enter multiple text strings as a comma-separated list.

**CAUTION:** If any part of a site collection's url contains the text string you specified, it will be excluded from the calculation of user rights. Use caution in selecting strings to be sure you do not exclude more than you intend. For example, the excluded string of "Test" would exclude "My Test Site Collection" but would also exclude "Product Testing."

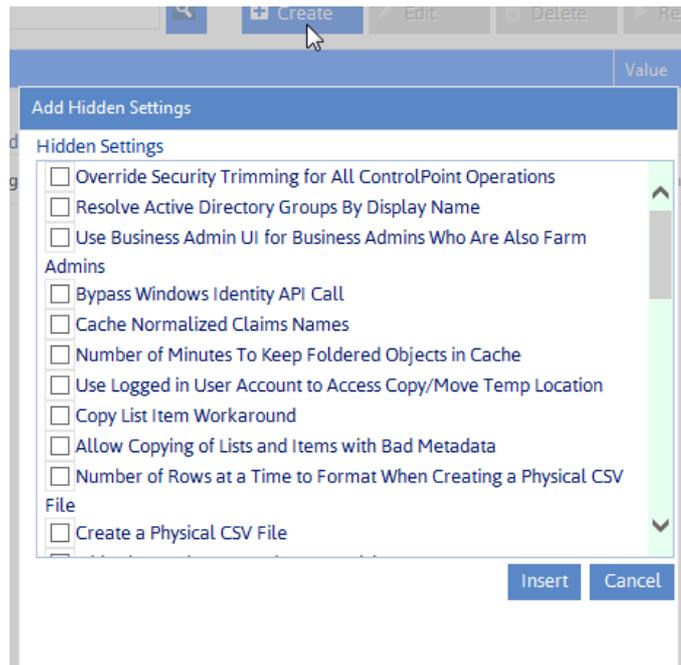
## Created (Hidden) Settings

"Created" settings are special-purpose settings that you can add to the ControlPoint Settings list if needed. Generally, these settings should only be configured under special circumstances and with guidance from [Quest Support](#).

NOTE: When a setting is created, it is added to the category **Special Purpose**.

### To create a ControlPoint Setting:

- 1 From the ControlPoint Configuration Settings Manager, click **[Create]**.
- 2 Check the box to the left of each setting you want to create.



- 3 Click **[Insert]**.

## To delete a Created setting:

**NOTE:** You can only delete settings that are classified as "Created." (That is, Basic and Advanced settings cannot be deleted.)

- 1 In the ControlPoint Settings list, check the box to the left of each created setting you want to delete.
- 2 Click **[Delete]**.

When you delete a Created setting, it is removed from the current ControlPoint Settings list and once again becomes available from the Add Created Settings list.

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# Troubleshooting

## ControlPoint Log Files

There are 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 [Quest Technical Support](#), have any applicable log file(s) readily available to help the Technical Support Specialist better assist you.

## Installation Log (xcControlPoint.log)

The following installation log files are located on the machine on which ControlPoint was installed for the farm, in the directory `C:\Program Files\Metalogix\ControlPoint Online\ControlPointFeatures\Logs`:

- `RollingAppenderDebugInfo` tracks the progress of the installation.
- `RollingAppenderWarnErrorFatal.txt` and `log.txt` record errors encountered during the installation.

## ControlPoint Administration Log (xcAdmin.log)

`xcAdmin.log`:

- is the log file where the following information is recorded:
  - ControlPoint application errors
  - the progress of both nightly and interactive Discovery jobs, and
- is accessible from the machine on which ControlPoint was installed for the farm, in the following directory: `C:\Program Files\Metalogix\ControlPoint Online\Layouts\Axceler\Log`

# ControlPoint Web Config File (web.config)

web.config:

- is the configuration file for the Web application that hosts the ControlPoint Configuration Site Collection, and
- is located on the server where ControlPoint Online is installed in the folder **C:\Program Files\Metalogix\ControlPoint Online\LAYOUTS\Axceler**

Note that any changes to the web.config file will cause a restart of the application pool for the Web application that hosts ControlPoint Configuration Site Collection.

## I am Continually Prompted to Log Into ControlPoint but the Login Never Completes

### Issue

With Internet Explorer or Edge, when attempting to log into ControlPoint using Modern Authentication, either for the first time or after the browser session expires, I am continually prompted to log in but the login never completes successfully.

### Resolution

This issue does not occur with Chrome. However, if you want to continue to use Internet Explorer or Edge, use the information in the following table to resolve the issue.

If you are using ...	Then ...
Internet Explorer	change <b>Internet Options &gt; Security</b> options as follows:  <ol style="list-style-type: none"><li>1 Add <a href="https://login.microsoftonline.com">https://login.microsoftonline.com</a> to the Trusted Sites.</li><li>2 Add the ControlPoint URL to the Trusted Sites.</li><li>3 Change the <b>Custom Level</b> as follows:<ol style="list-style-type: none"><li>a) Select <b>Local Intranet</b>.</li><li>b) Click [<b>Custom level...</b>].</li><li>c) Enable the <b>Websites in less privileged web content zone can navigate into this zone</b> option.</li></ol></li></ol>

Edge	upgrade to the latest version of Edge. <a href="https://www.microsoft.com/en-us/edge">https://www.microsoft.com/en-us/edge</a> NOTE: This is a Microsoft Known Issue.
------	---