

ControlPoint for Office 365

Administration Guide

VERSION 7.4

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Preface

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

Audience

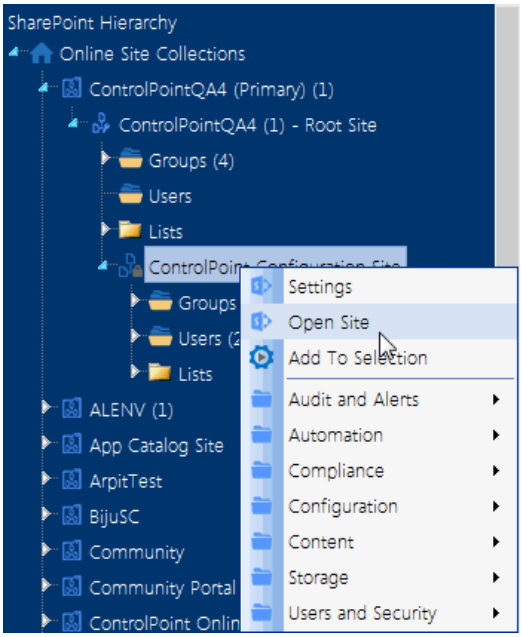
The *Metalogix ControlPoint Administration Guide* is intended for **ControlPoint Application Administrators** (that is, SharePoint administrators who also have responsibilities for managing ControlPoint configuration and permissions).

The ControlPoint Configuration Site

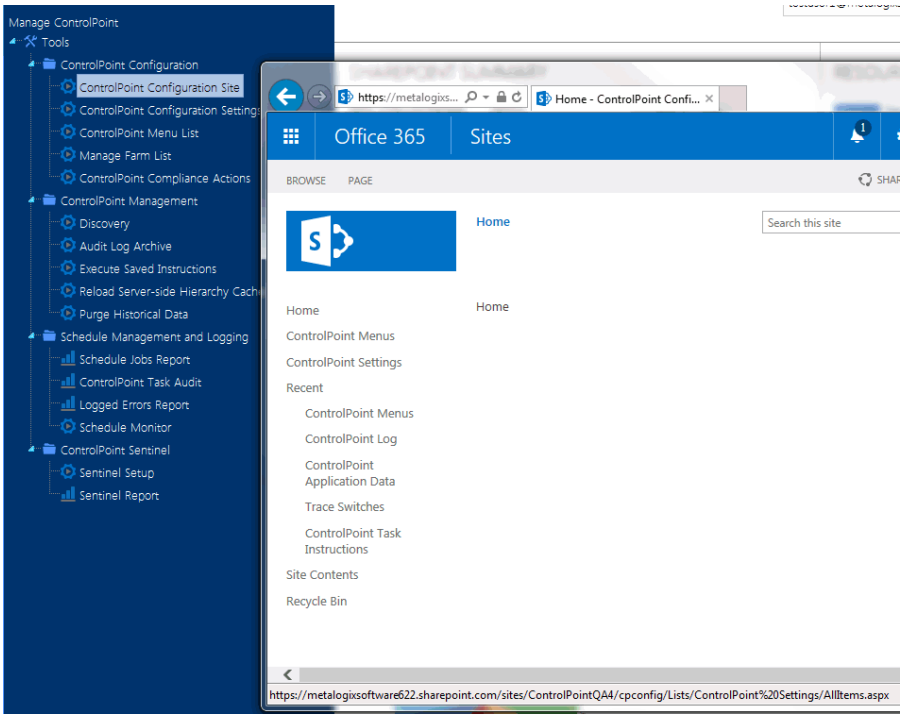
The ControlPoint Configuration site is a SharePoint site that is integral to your ControlPoint installation. This site is used primarily by ControlPoint Application Administrators for managing ControlPoint configuration and settings.

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.



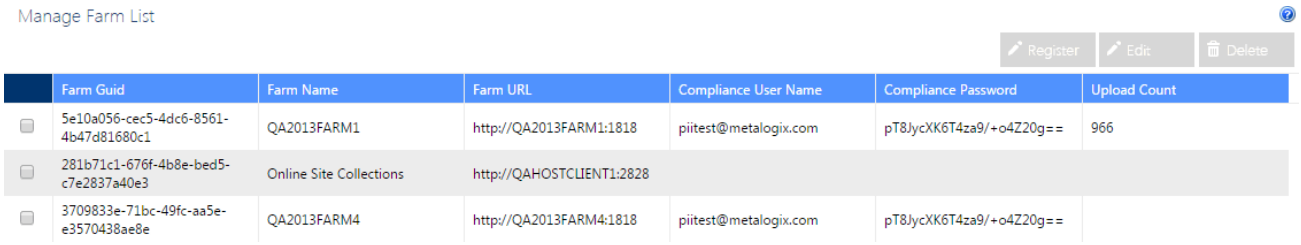
Managing Your Farm List

If you have a multi-farm installation of ControlPoint and have permissions to manage the ControlPoint farm list, you can:

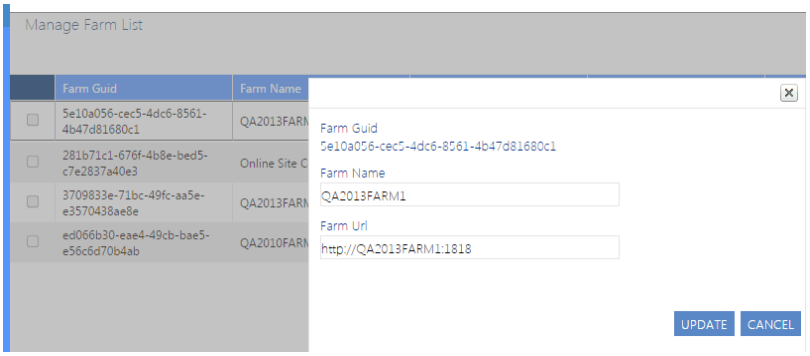
- edit one of the following attributes:
  - a farm's name, and/or
  - the url used when switching farms from the ControlPoint application header
- delete farms that you have decommissioned or no longer manage through ControlPoint.
  Note that when you choose the delete a farm you can also choose whether 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



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

If you want to ...	Then ...
change the farm name and/or url	• Check the box to the left of the farm you want to edit, then click **[Edit]**.  • Update the applicable field(s). • Click **[Update]**.
delete the farm	• Click the **Delete** link. A pop-up dialog displays, asking you to delete the farm. To delete the farm, click [**Yes**].

If you want to ...	Then ...
	A second pop-up dialog displays, asking whether you want delete farm-related data from the ControlPoint database. • Click the appropriate option.

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

To ensure that the new farm name displays in Selection panels and analysis results throughout the ControlPoint application, update the Value of the ControlPoint Configuration Setting HOSTFARMNAME.

Purging Historical Activity and Storage Data from the ControlPoint Services (xcAdmin) Database

The Purge Historical Data action lets you purge SharePoint activity and storage data—which is captured by the ControlPoint Discovery process and is used in analyzing historical data—from the ControlPoint Services (xcAdmin) database.

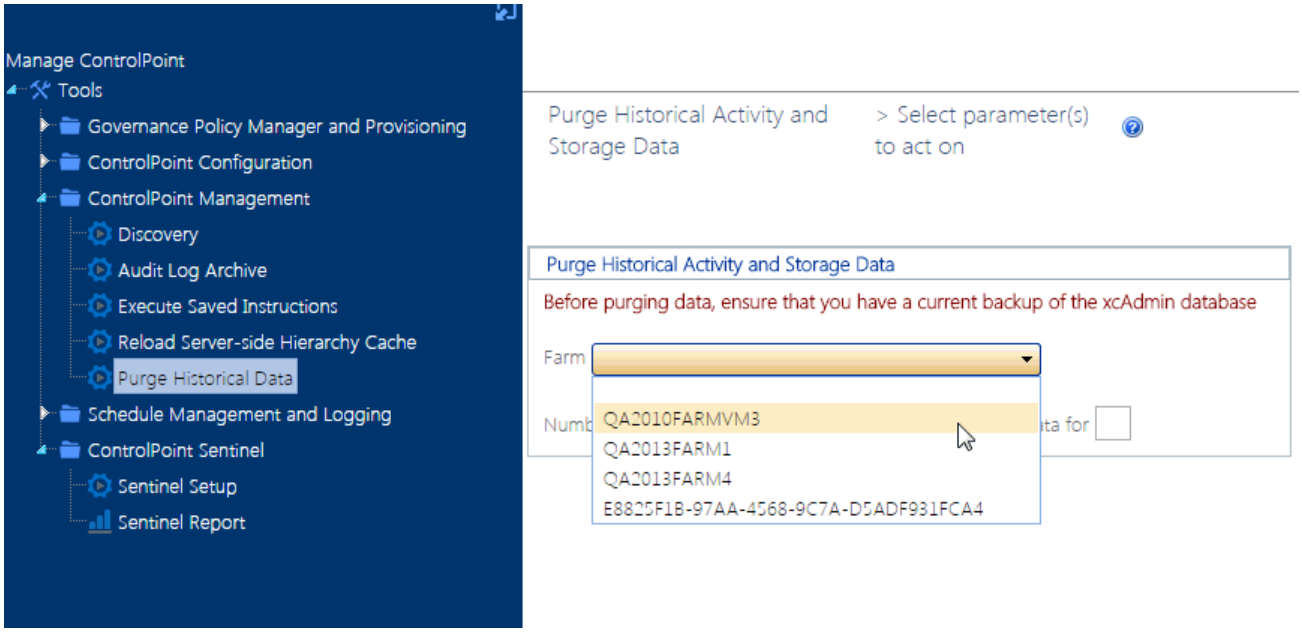
Data is purged from one farm per operation, and you can specify how many months' worth of data you want to retain.

Once data is deleted from the xcAdmin database it cannot be recovered and will no longer be available for inclusion in future ControlPoint activity and storage analyses. Therefore, it is recommended that you back up the database before performing this operation.

To purge activity and storage data:

1 From the Manage ControlPoint panel, choose ControlPoint Management > Purge Historical Data.

2 Select the **Farm** from which you want to purge historical data.



3 Enter the **Number of Number of months to keep historical activity and storage data for**.

CAUTION: If you enter 0, *all* historical activity and storage data will be deleted from the database.

Now you can either:

- run the operation immediately (by clicking the [**Run Now**] button)

OR

- complete the Enforce Policy section and schedule the operation to run at a later time.

OR

- save the operation as XML Instructions that can be executed at a later time.

If you chose the Run Now, option, after the operation has been processed:

- a confirmation message displays at the top of the page, and
- a ControlPoint Task Audit is generated for the operation and displays in the Results section.

If you schedule the operation, a link to the Task Audit is included in the scheduled action notification email.

See also Auditing ControlPoint Administrator Tasks.

Modifying ControlPoint Configuration Settings

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

1 elements of the user interface

2 environmental settings that can be "fine-tuned" to improve performance, and

3 default security settings.

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

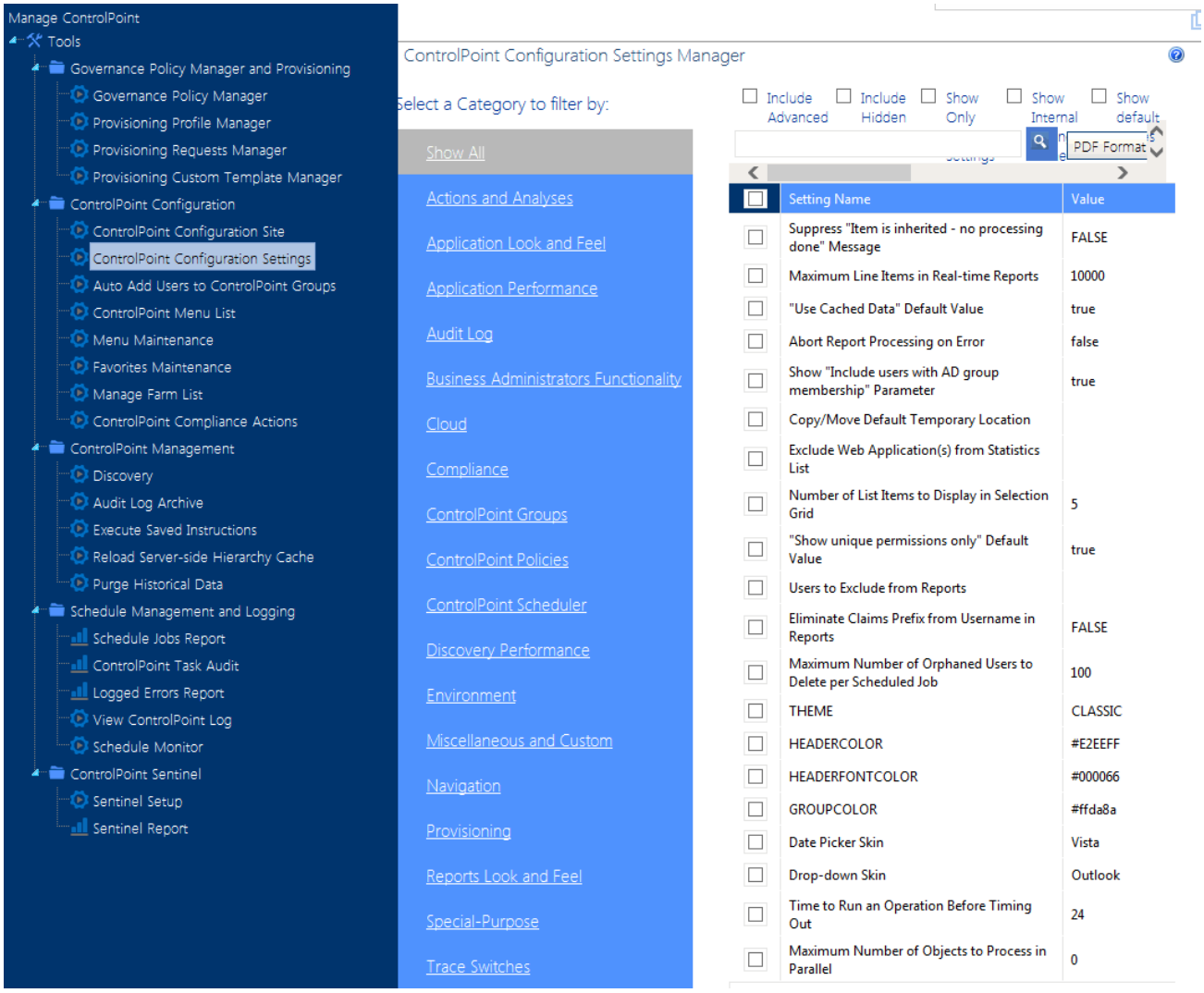
NOTE: If you first installed ControlPoint prior to version 6.0 and prefer to modify settings using the ControlPoint Configuration Site's ControlPoint Settings list, you may continue to do so. Be aware, however, that if you make changes directly to the list you will have to restart the application pool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

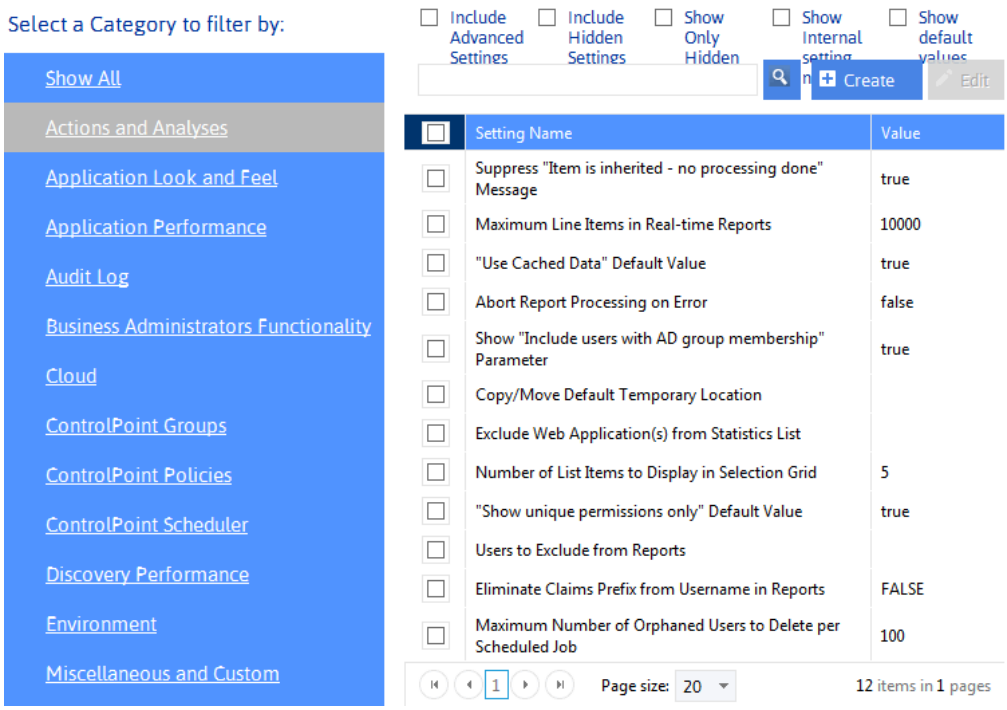
Advanced - Less commonly-used settings that you may want to modify to further customize ControlPoint to meet particular needs of your SharePoint environment or users. [

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 Metalogix Technical Support. See also

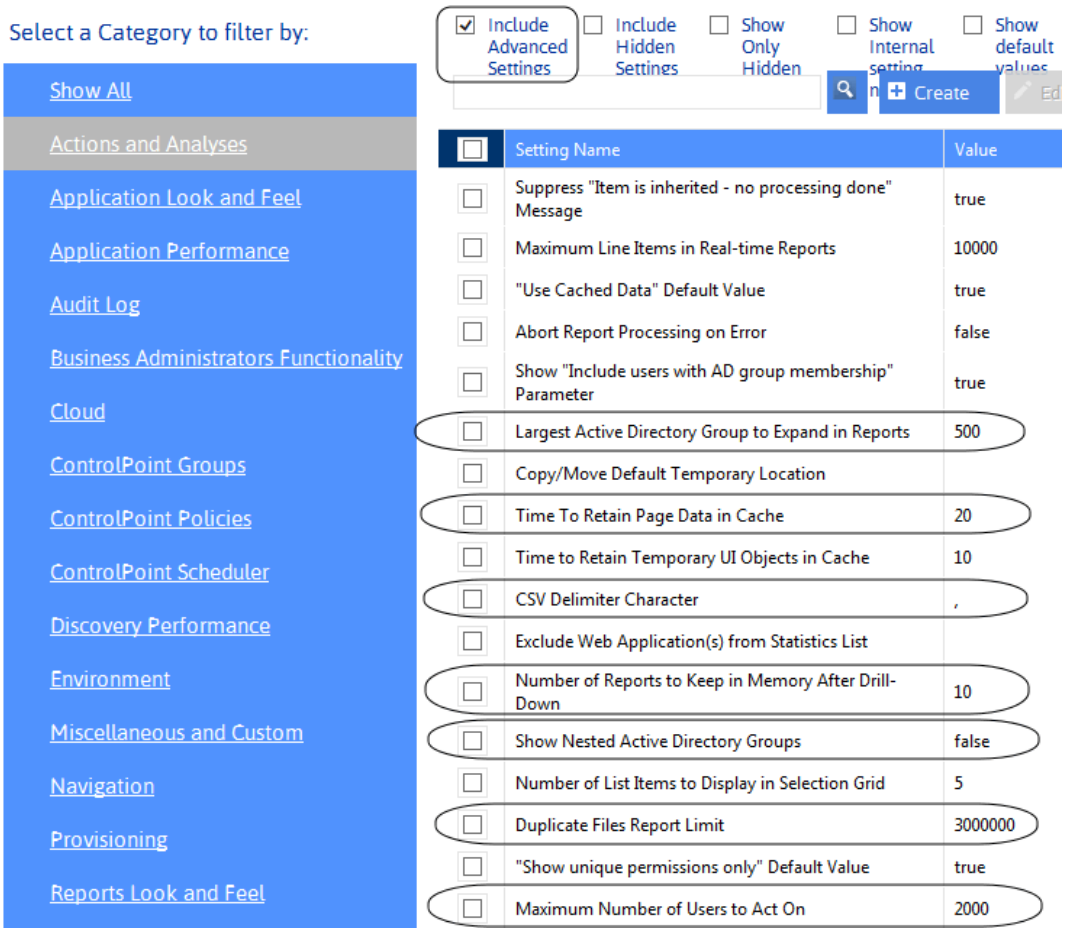
Filtering the ControlPoint Configuration Settings List

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

- By choosing a **Category**



By choosing to **Include Advanced Settings**



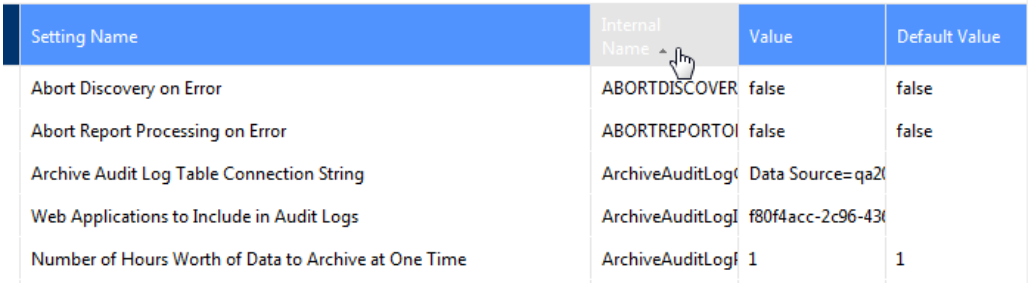
- If special-purpose settings have been created:
  - **Include Created Settings**, or
  - Show **Only Created Settings**

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

Showing Additional Columns and Sorting by Column

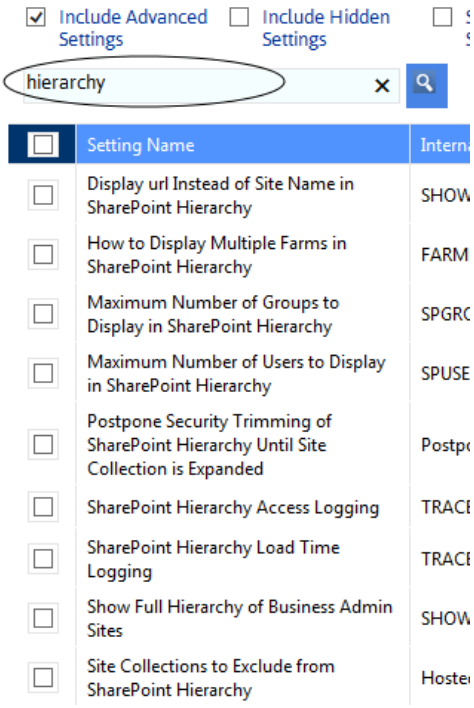
By default, the ControlPoint Configuration Settings list displays the **Setting Name** and current **Value**, but you can also choose to **Show Internal setting name** and/or **Show default values**. You can sort on any column.

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



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 .



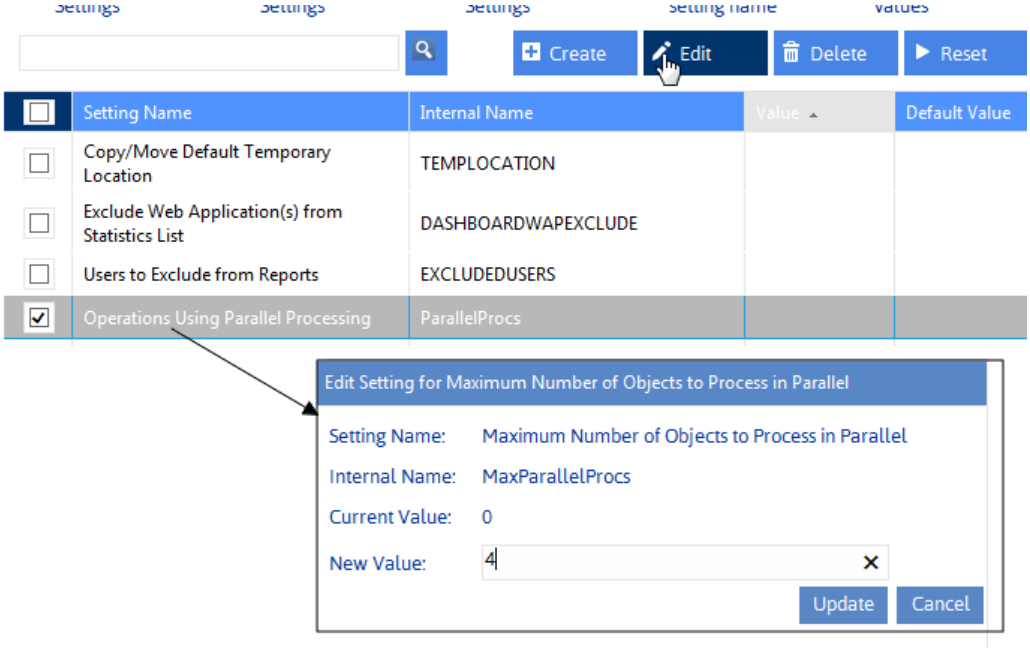
To edit a ControlPoint Setting:

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]**.

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



4 Click **[Update]**.

Changes to ControlPoint Settings take effect immediately.

Deleting ControlPoint Settings

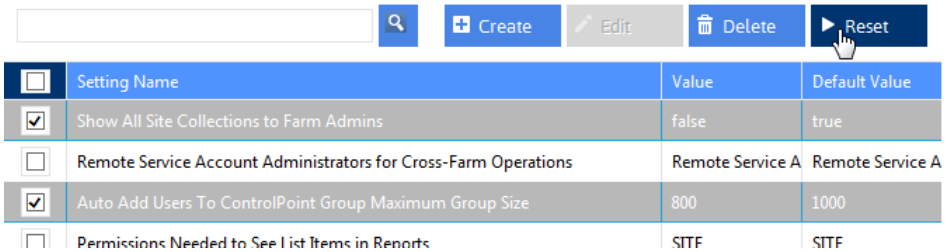
Only Created settings can be deleted.

To restore ControlPoint Setting default values:

1 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.

2 Click **[Reset]**.



Changing Default Settings for Actions and Analyses

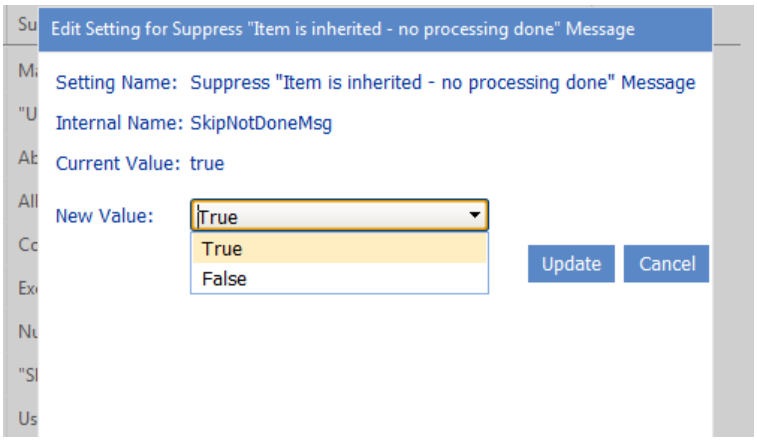
These configuration settings display in the ControlPoint Settings list under the category **Actions and Analyses**.

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*.



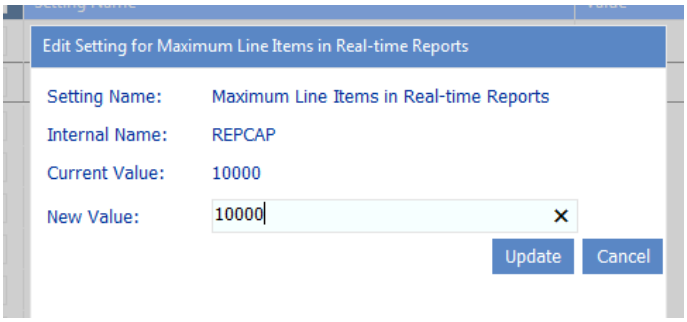
Maximum Line Items in Real-time Reports (REPCAP)

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:

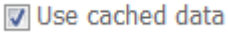
This report has more rows than the current row limit of xxxx, only first xxxx rows are displayed. You can raise the limit. It is specified in either REPCAP or SCHEDULEREPCAP.

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**.

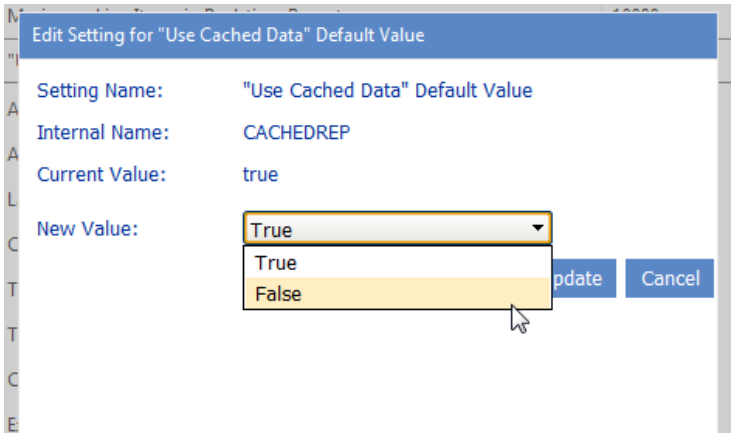


"Use Cached Data" Default Value (CACHEREP)

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.)



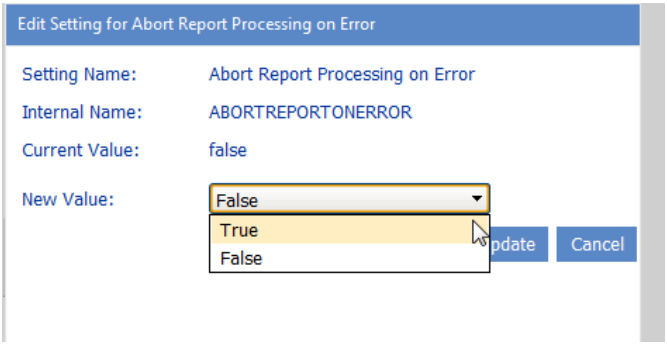
ControlPoint Application Administrators can, however, change the default option to real-time by changing the Value of the ControlPoint Setting CACHEDREP from *True* to *False*.



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.



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 he/she 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.

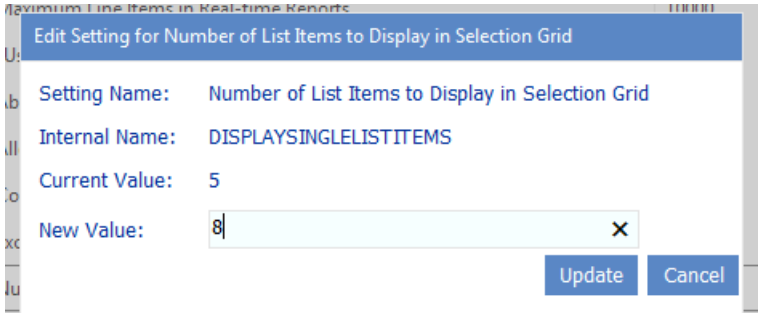
	Remove	Include Children	Type	URL
▸	✕	☐ OR Choose		http://qa2010farmf:38472/sites/GBTeamSiteA/Shared Documents/Forms/AllItems.aspx
▸	✕	Review		Shared Documents/Business Admin Testing.docx
▸	✕	Review		Shared Documents/ControlPoint Evaluation Guide.pdf
▸	✕	Review		Shared Documents/Customizing Provisioning 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
▸	✕	☐ OR Choose		http://qa2010farmf:38472/sites/GBTeamSiteA/Shared Documents/Forms/AllItems.aspx
▸	✕	Review		/sites/GBTeamSiteA/Shared Documents/Forms/AllItems.aspx - 8 Items Selected

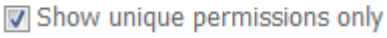
The purpose of this threshold is to make the most efficient use of the limited viewing area in the Selection panel.

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**.

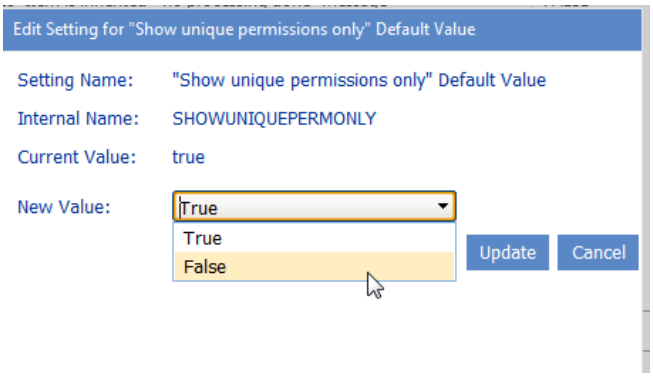


"Show unique permissions only" Default Value (SHOWUNIQUEPERMONLY)

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.



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)

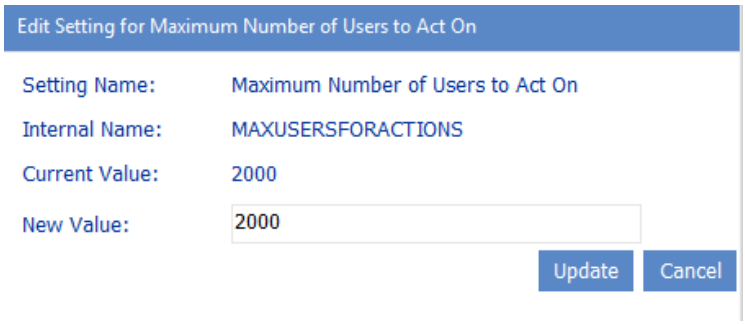
By default, when you want to execute a ControlPoint action that operates on SharePoint users, up to two thousand (2000) users may be included in the operation, as determined by the People Picker entry. Before executing the action, ControlPoint evaluates the number of users included in the People Picker 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.



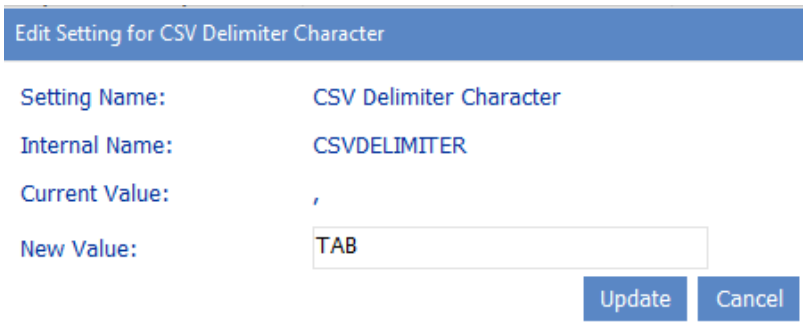
NOTE: This setting does *not* apply to users within the scope of a SharePoint User Profile property selection, for which no maximum is enforced.

CSV Delimiter Character (CSVDELIMETER)

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 in selected from the report toolbar drop-down.

NOTE: This is an Advanced Setting.



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

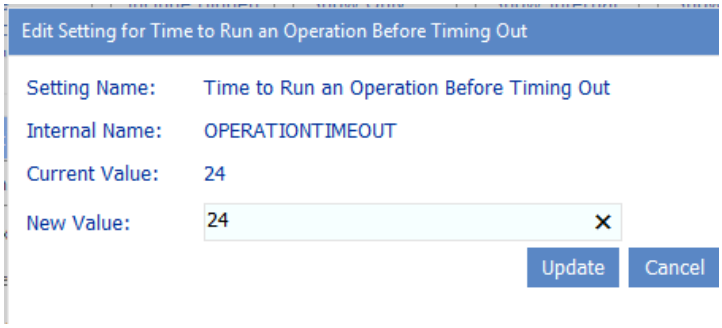
These configuration settings display in the ControlPoint Settings list under the category **Application Performance**.

Time to Run an Operation Before Timing Out (OPERATIONTIMEOUT)

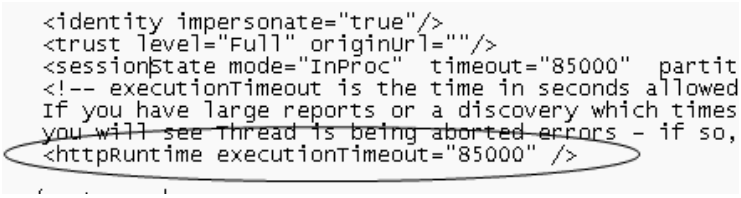
When you initiate an operation in ControlPoint, ControlPoint will use WCF to start the operation on all farms that are part of the operation. By default, this WCF request will time out if it has not been completed within 24 hours. For an operation performed on a home farm, a timeout message will be recorded 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*.



If this value is increased, the execution timeout value in the ControlPoint web.config file should also be increased to the same threshold (although, in this case, the time is expressed in *seconds*).



Maximum Number of Objects to Processed in Parallel (MaxParallelProcs)

By default, ControlPoint Discovery processes up to two site collections/sites simultaneously, for improved performance over sequential processing. For Actions and reports, sequential processing is used by default

(that is, the objects involved (site collection, site, subsite, lists, and so on) are processed one at a time, in hierarchical order). ControlPoint Application Administrators may, however, choose to

- increase or decrease the maximum number of objects that should be processed simultaneously (i.e., in parallel), and/or
- specify the operation(s) (Discovery, Actions, and/or Reports) for which parallel processing should/should not be used.

It is recommended the **Maximum Number of Objects to Process in Parallel** Value be set to the number of cores on the server machine where the processing occurs.

If you are encountering errors during the processing of operations for which parallel processing is used, it is recommended that you gradually decrease the **Maximum Number of Objects to Process in Parallel** Value.

If the **Maximum Number of Objects to Process in Parallel** Value is set to 0 or 1, no parallel processing will occur (that is, objects for all operations will be processed sequentially).

NOTE: If the value is greater than 1 and the value of Operations Using Parallel Processing (ParallelProcs) is blank, parallel processing will apply to Discovery. Otherwise,it will apply to operations specified for

Operations Using Parallel Processing (ParallelProcs)

By default, ControlPoint Discovery processes up to two site collections/sites simultaneously, for improved performance over sequential processing. For actions and reports, sequential processing is used by default (that is, the objects involved (site collection, site, subsite, lists, and so on) are processed one at a time, in hierarchical order). ControlPoint Application Administrators may, however, choose to

- increase or decrease the maximum number of objects that should be processed simultaneously (i.e., in parallel), and/or
- specify the operation(s) (Discovery, Actions, and/or Reports) for which parallel processing should/should not be used.

Specify the operations for which parallel processing should be used by completing the Value of the ControlPoint Setting ParallelProcs with one or more of the following values:

- **D** (Discovery)
- **A** (Actions)
- **R** (Reports)

Enter multiple values as a comma-separated list.

NOTE: If the **Operations Using Parallel Processing** Value is blank, parallel processing will apply to Discovery only.

For this setting to be operational, the Value of the setting Maximum Number of Objects to Processed in Parallel.

Objects Subject to Parallel Processing (ParallelProcSites)

By default, when **Maximum Number of Objects to Process in Parallel** is set to a value greater than 1, ControlPoint processes operations in parallel at the site collection level. ControlPoint Application Administrators can, however, have parallel operations processed at the site level by changing the Value of the ControlPoint Setting **Objects Subject to Parallel Processing** from *false* to *true*.

NOTE: This is an Advanced Setting.

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 execute before issuing the following message:

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

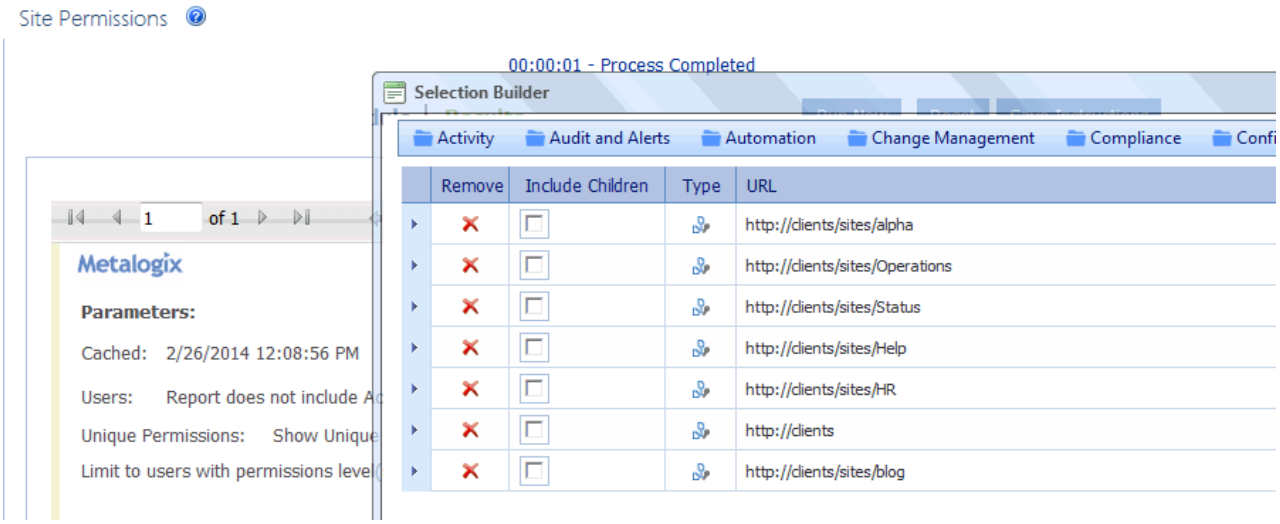
The default value should be sufficient in most cases. However, for an exceptionally large or busy farm, the ControlPoint Application Administrator may need to increase the Value of the ControlPoint Setting **SQL Command Timeout Value**.

NOTE: This is an Advanced Setting.

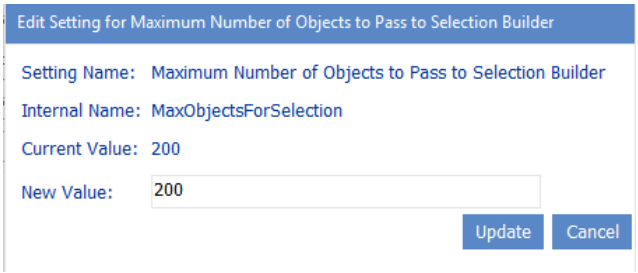
NOTE: Remember, this value is specified in *seconds*.

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 his 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 Terminated**.

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

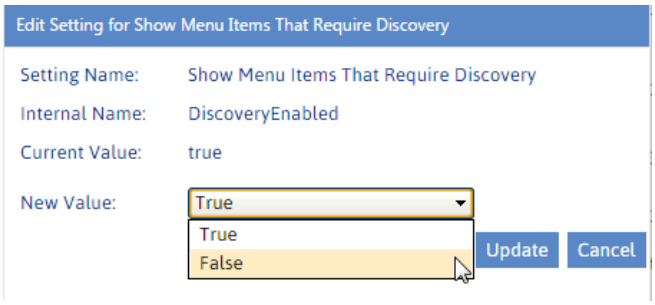
These configuration settings display in the ControlPoint Settings list under the category **Discovery Performance**.

Show Menu Items That Require Discovery (DiscoveryEnabled)

If ControlPoint was first installed with version 5.3 or higher*, Nightly Discovery is disabled by default, as are the operations and parameters which depend on data collected by the Discovery process. These are:

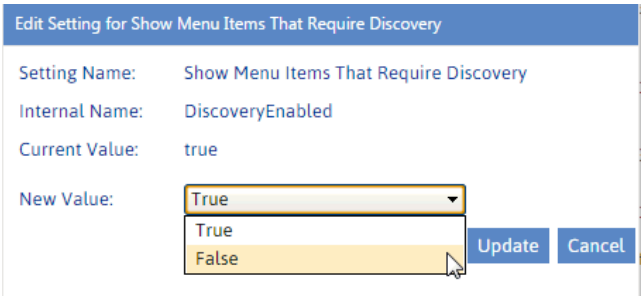
- Advanced Search
- the following ControlPoint analyses:
  - Site Collection Activity

- Trend Analyses



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

ControlPoint Application Administrators can choose to enable the Nightly Discovery job or run Discovery manually. Once Discovery has run at least once, ControlPoint Application Administrators may choose to enable the applicable operations and parameters by changing the Value of the ControlPoint Setting **Show Menu Items That Require Discovery** from *False* to *True*.

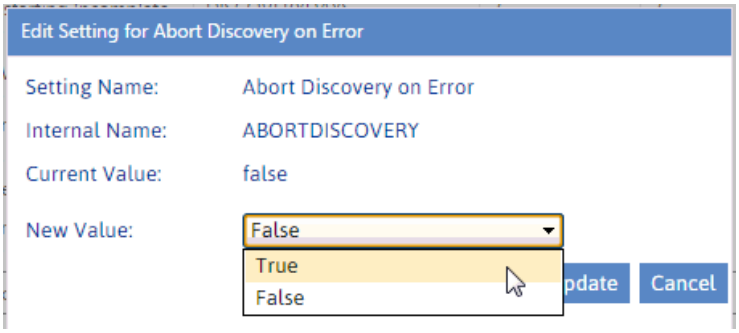


*NOTE: If ControlPoint was originally installed prior to version 5.3, the Nightly Discovery job will be enabled, as will the operations and parameters that rely on it (that is, **Show Menu Items That Require Discovery** will be set to *True* by default).

Abort Discovery on Error (ABORTDISCOVERY)

By default, if the ControlPoint Discovery process encounters an issue with SharePoint environment (for example, a site that is locked or has been incorrectly or incompletely created, a document that is missing a document ID), the item is skipped and the Discovery process continues. A Discovery Exception is recorded in the ControlPoint Administration Log (xcAdmin.log).

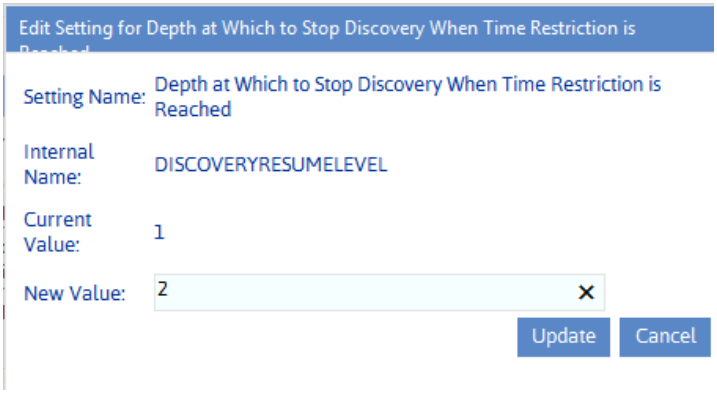
The default value may be kept if administrators do not want the Discovery process to be interrupted. However, if it is preferable that Discovery stop running when an exception is encountered, ControlPoint Application Administrators can change the Value of the ControlPoint Setting **Abort Discovery on Error** from *False* to *True*. Administrators are alerted to an aborted Full Discovery by the "*Discovery has not been run today...*" message in the ControlPoint application header.



Depth at Which Discovery Should Stop Processing When the Time Restriction is Reached (DISCOVERYRESUMELEVEL)

By default, when the Maximum Discovery Run Time limit is reached, the Full Discovery process will stop after it has finished processing the current site collection. For farms with deeply nested sites, however, ControlPoint Application Administrators may want to specify a location within the site collection at which Discovery will stop by changing the Value of the ControlPoint Configuration Setting **Depth at Which to Stop Discovery When Time Restriction is Reached**.

The number you enter represents the depth below the site collection (which is represented by **1**, the default value) within the site being processed where you want Full Discovery to resume the next time it runs.



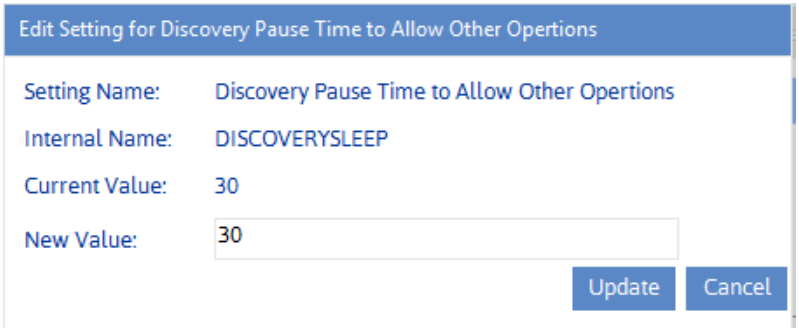
When the **Depth at Which to Stop Discovery When Time Restriction is Reached** limit is reached, Discovery will finish processing the current site and its immediate children. It will stop when it reaches the specified level within the next site in the site collection.

Discovery Pause Time to Allow Other Operations (DISCOVERYSLEEP)

ControlPoint Discovery is task that collects cached information for data analysis and reporting.

Because Discovery is a resource-intensive process, it is configured to pause at regular intervals to allow other processes to access a greater share of the machine's CPU and disk resources.

ControlPoint Application Administrators can change this pause time by modifying the Value of the ControlPoint Settings **Discovery Pause Time to Allow Other Operations**. This value represents the number of milliseconds that Discovery pauses to let other processes proceed.



If the **Discovery Pause Time to Allow Other Operations** value is *decreased*, the Discovery process will take less time to complete, but users will experience slower response times while it runs. Conversely, if this value is *increased*, the Discovery process will take longer to complete, but users will experience faster response times.

TIP: If Discovery is run *only* as a nightly process and system usage is low at that time, the default value is usually sufficient. If Discovery is run manually while users are active, and/or usage is high when nightly Discovery is run, it may be advantageous to increase the **Discovery Pause Time to Allow Other Operations** time.

Maximum Discovery Run Time (DISCOVERYTIMERESTRICTION)

As of version 5.2.345.0, Full Discovery can run a maximum of 1260 minutes (21 hours) at one time. If ControlPoint has a particularly large farm to discover and Discovery has not completed within that timeframe, it will continue where it left off the next time it is run, either manually or on schedule. ControlPoint Application Administrators may want to decrease the time restriction—to ensure that Discovery is not consuming system resources during peak usage times—by updating the Value of the ControlPoint Configuration Setting **Maximum Discovery Run Time**.



NOTE: If the Value is blank, Full Discovery will be processed in a single run.

The location within a site collection where Discovery will stop when the time restriction is reached is determined by the Configuration Setting Depth at Which to Stop Discovery When Time Restriction is Reached.

Tuning Options to Improve Discovery Performance (SPEEDDISCOVERY)

As of version 6.0. the default value of the ControlPoint Setting **Tuning Options to Improve Discovery Performance** is **PDA**:. Each component of this value is described in the following table.

Value Component	Description
P	*Partial* Discovery does not discover the following elements within a site collection *if they have not changed*: • activity • permissions of all SharePoint users • Web parts, and • SharePoint permissions for members of the Business Administrators group
D	*Full* Discovery does not discover the following elements within a site collection *if they have not changed*: • activity • permissions of all SharePoint users • Web parts, and

Value Component	Description
	• SharePoint permissions for members of the Business Administrators group
A	All activity is calculated at the end of Discovery (which requires fewer queries for better performance)

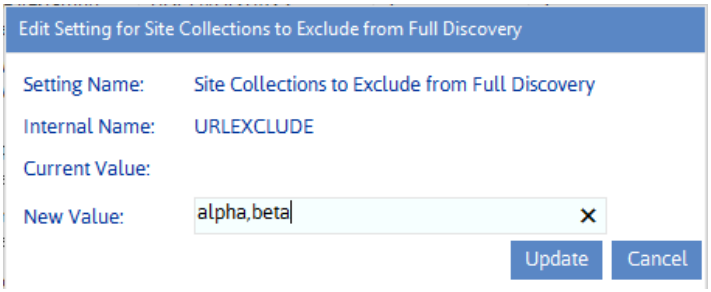
If ControlPoint was initially installed prior to version 6.0, it is recommended that the Value be set to **PDA** to optimize Discovery performance.

Site Collections to Exclude from Full Discovery (URLEXCLUDE)

By default, the ControlPoint Full 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 Full Discovery process and any manual Discovery that is run on the entire farm. (Administrators still have the option of running a Partial Discovery on these site collections, either as-needed or on a one-time or recurring schedule).

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 Full 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 Full 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**.

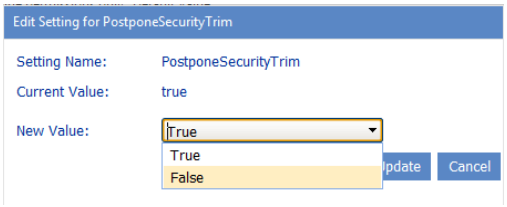
Postpone Security Trimming of SharePoint Hierarchy Until Site Collection is Expanded (PostponeSecurityTrim)

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.



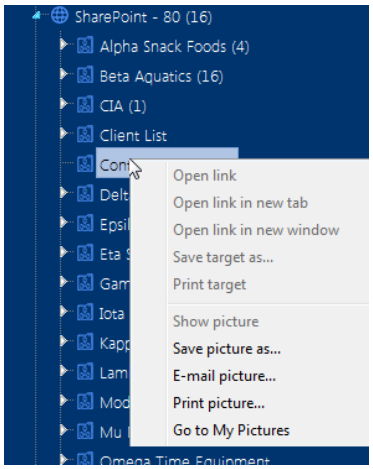
In an especially large SharePoint environment in which the user administers a large number of site collections within a Web application, the load-time may be significant. ControlPoint Application Administrators can, therefore, postpone security trimming until a Site Collection is expanded by changing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

NOTE: When this setting is enabled it applies to all ControlPoint users *except* members of the Business Administrators group whose permissions are determined during the Discovery process..



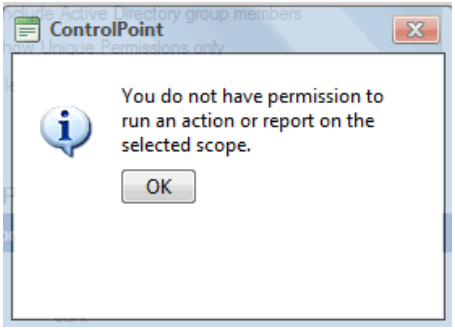
When this setting is true:

- 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 he or she does 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*.

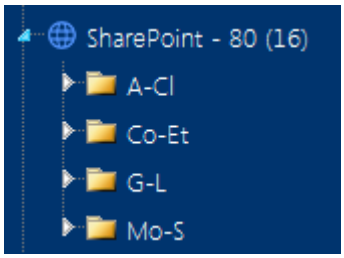
NOTE: This setting applies to the *search* functionality only. The full browse tree always uses real-time data.

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

Maximum Number of Objects to Display Before Foldering (NAVCAP)

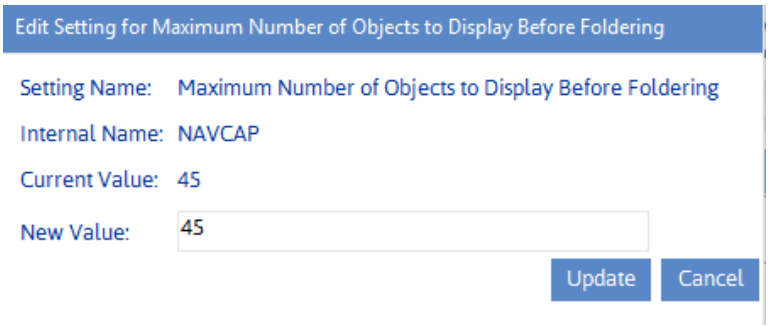
By default, the maximum number of child objects (that is, site collections, sites or lists) that can display directly beneath a single parent in the left navigation pane is 45. (That is, up to 45 site collections can display beneath a Web application, up to 45 sites beneath a site collection, and so 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.



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

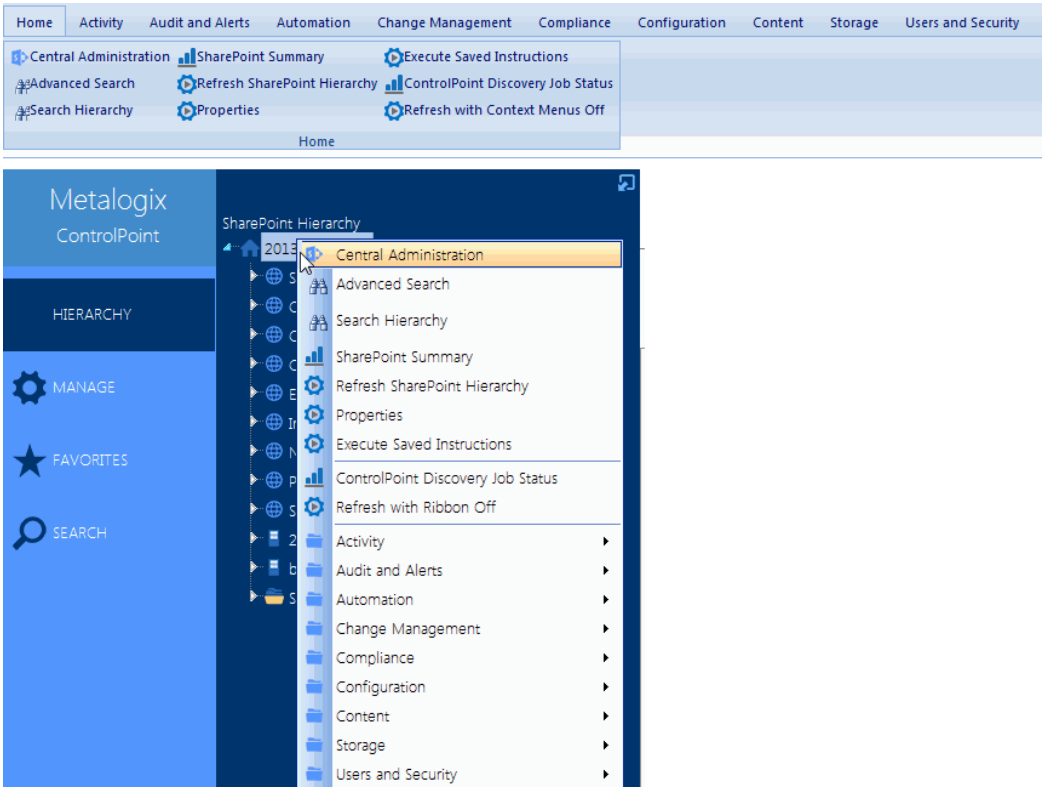
ControlPoint Application Administrators can, however, modify this number by changing the **Maximum Number of SharePoint Groups to Display in SharePoint Hierarchy** Value.



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.)

Menu Style(s) Available to ControlPoint Users (NAVIGATIONMODE)

By default, the ControlPoint application allows for the use of both context menus in the left navigation pane and ribbon-style menus in the application header.

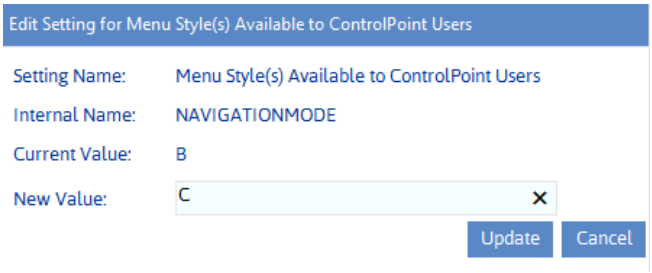


When both are enabled, individual ControlPoint users have the action of turning one or the other on or off for their own ControlPoint sessions.

ControlPoint Application Administrators can, however, specified which style(s) of menus are available for the farm by updating the Value of the ControlPoint Setting **Menu Style(s) Available to ControlPoint Users**.

Valid values are:

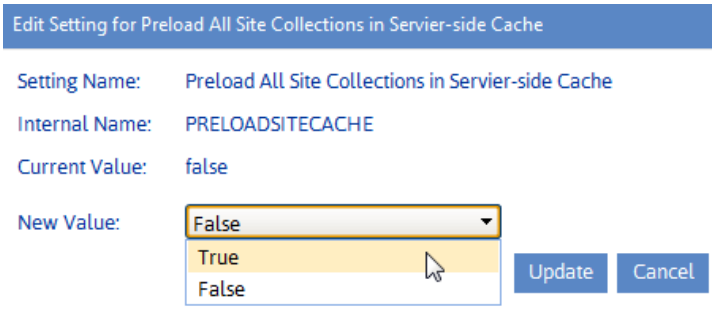
- **B** (both, which is the default option)
- **C** (context only)
- **R** (ribbon only)



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*.



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.

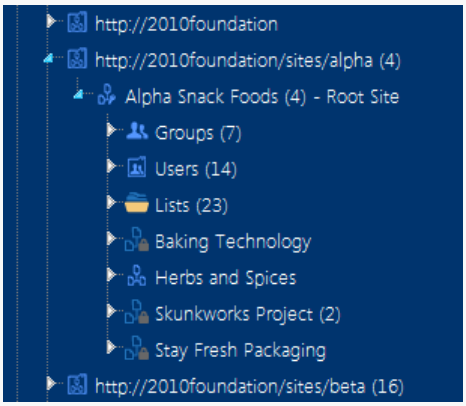
Display url or Site Name in SharePoint Hierarchy (SHOWURLASTITLE)

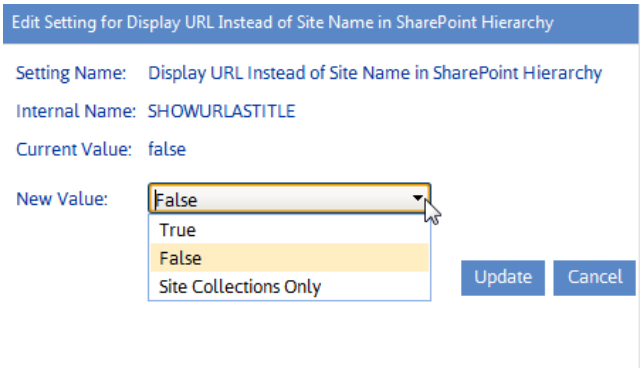
By default, SharePoint site collections and sites are identified by Title in the SharePoint Hierarchy, Search Hierarchy, and other areas of the application that include a browse tree (such as Change Selection and Copy/Move destination selection).



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	**true**. 

If you want to have...	Then change the Value for SHOWURLASTITLE to ...
• site collections identified by url and • sites identified by name	**SiteColOnly**. 



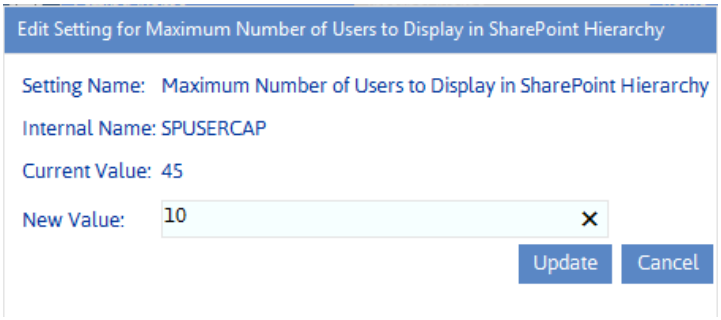
Regardless of the setting, the alternate way of displaying the title—along with the object's GUID—can be viewed as a tool tip when the cursor is placed over the object icon.

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.



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.



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 execute 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 executing 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.



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

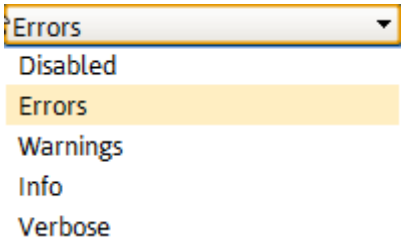
Changing Trace Switch Logging Levels

ControlPoint contains a number of trace switches that control the type and level of detail that is captured in the ControlPoint Administration (xcAdmin) log. Metalogix Technical 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



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
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
Interactive Analysis (SharePoint 2010)	Interactive Analysis Logging
non-specific events	Non-Specific Event Logging
Audit Log archiving	Audit Log Archive Logging

If you want to change the logging level for...	Edit the following setting ...
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 your ControlPoint license includes Compliance functionality.

Compliance Endpoints

By default, endpoints for Sensitive Content Manager point to Metalogix Cloud Services. If, however, your environment uses Sensitive Content Manager Server (the on-premises version), the Value of each of these endpoints must be changed to point to the server on which Sensitive Content Manager Server is installed. Use the information in the following table for guidance.

NOTE: These are Advanced settings.

Endpoint	Description	Default (Cloud Services) Value	SCM Server Value
Web Services Endpoint for Compliance Authentic	The URL for Metalogix Cloud Services or Sensitive Content Manager on premises authentication server for authenticating user when sending files.	https://login.onmetalogix.com	http://<server.domain> (*or if installed on multipe servers*: http://<server.domain>:port)

Endpoint	Description	Default (Cloud Services) Value	SCM Server Value
ation (Compliance Auth URL)			
CompliancePrOfile Auth URL	The URL for Metalogix Cloud Services or Sensitive Content Manager on premises authentication server for authenticating user to retrieve profiles.	https://login.onmetalogix.com	http://<server.domain> (*or if installed on multipe servers*: http://<server.domain>:port)
Web Services Endpoint for Compliance Profile Requests (Compliance ProfileURL)	The URL for Metalogix Cloud Services or Sensitive Manager on premises service for retrieving profiles.	https://scm.onmetalogix.com	http://<server.domain> (*or if installed on multipe servers*: http://<server.domain>:port)
Web Services Endpoint for Compliance Scan Upload (Co	The URL for Metalogix Cloud Services or Sensitive Content Manager on premises service for sending files	https://files.onmetalogix.com	http://<server.domain> (*or if installed on multipe servers*: http://<server.domain>:port)

Endpoint	Description	Default (Cloud Services) Value	SCM Server Value
mpliance UploadURL)			
Web Services Endpoint for Compliance Scan Results (Compliance ResultsURL)	The URL for Metalogix Cloud Services or Sensitive Content Manager on premises service for retrieving files job results	https://cajobs.onmetalogix.com	http://<server.domain> (*or if installed on multipe servers*: http://<server.domain>:port)

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	**ComplianceMildLevelThreatsEmailBody**	The document @@DocumentName@@ in the location @@ListUrl@@ contains content that has been identified as posing a Mild level of threat, and Metalogix ControlPoint has

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...
		taken the following compliance action: @@Action@@.
the threat level is Moderate	**ComplianceModerateLevelThreatsEmailBody**	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	**ComplianceSevereLevelThreatsEmailBody**	The docment @@DocumentName@@ in the location @@ListUrl@@ contains content that has been identified as posing a Severe level of threat, and Metalogix controlPoint has taken the following compliance action: @@Action@@.

Where the following variables are used:

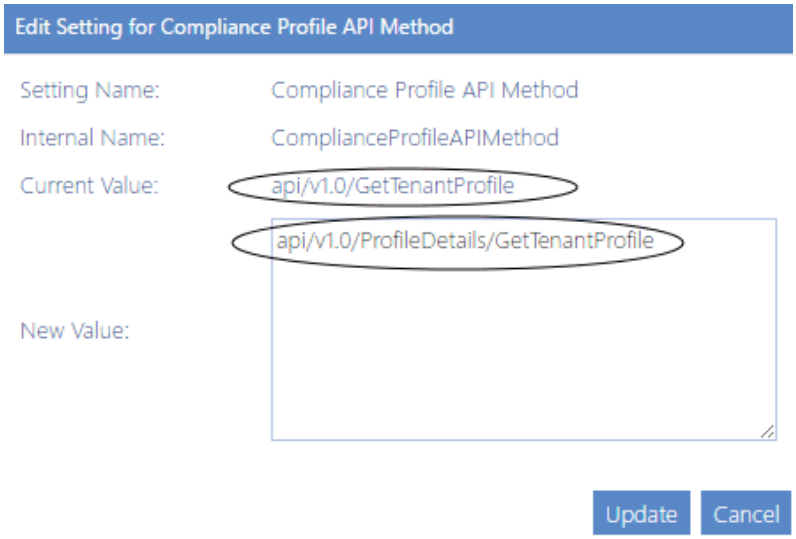
- @@DocumentName@@ is the name of the item that contains the non-compliant content.
- @@ListUrl@@ is the location of the list that contains the non-compliant item
- @@Action@@ is the Compliance Action that has been carried out.

Compliance Profile API Method (ComplianceProfileAPIMethod)

The ControlPoint compliance Profile API method is the endpoint to the Web Service that retrieves Profiles for use in identifying Sensitive Content.

If ControlPoint was *first* installed prior *to* version 7.0, the ControlPoint Application Administer must update the Value of the ControlPoint Configuration Setting Compliance Profile API Method from **api/v1.0/GetTenantProfile** to **api/v1.0/ProfileDetails/GetTenantProfile**.

NOTE: This is an Advanced setting.



Managing Site Provisioning Settings

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

Maximum Number of Provisioning Requests in Completed an 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 Numer of Provisioning Requests in Completed and Rejected Foder**.

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.

If you want to change ...	Then change the Parameter of the ControlPoint Setting	From the default text...
the subject line of the email that is sent to the requester when a site provisioning request is received and registered	**Subject Line for Provisioning Request Registered email**	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	**Text for Provisioning Request Registered email**	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	**Subject Line for Provisioning Request Completed email**	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	**Text for Provisioning Request Completed email**	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	**RequestRejectedEmailSubject**	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	**Text for Provisioning Request Rejected email**	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**.

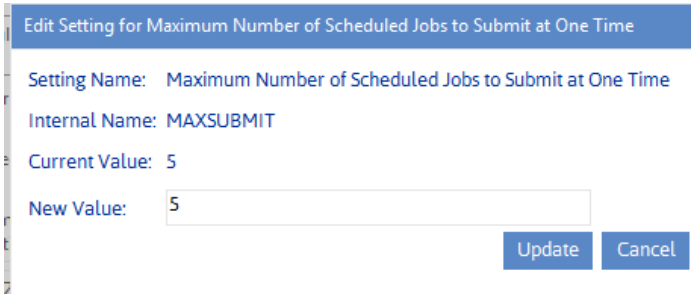
Maximum Number of Scheduled Jobs to Submit at One Time (MAXSUBMIT)

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.



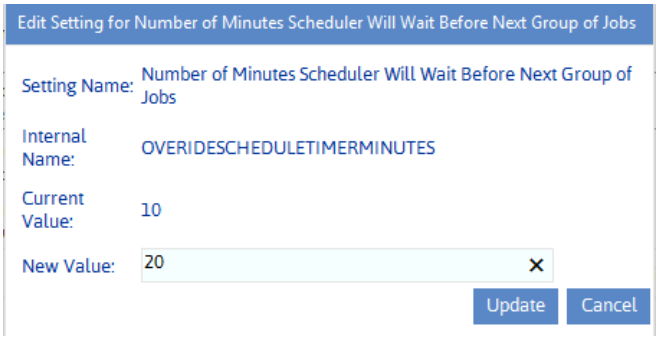
This setting can be used in conjunction with Number of Minutes Scheduler Will Wait Before Next Group of Jobs (OVERIDESCHEDULETIMERMINUTES) to fine-tune the behavior of the ControlPoint scheduler.

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 execution 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.



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**.

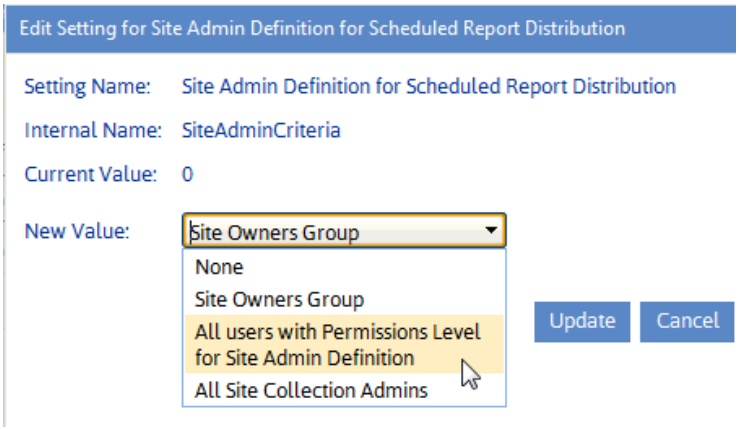
For example, this value may be *increased* if the output of exceptionally large analyses are routinely posted to a SharePoint library. Conversely, this value may be *decreased* if analysis output is generally emailed to distribution lists and your mail system imposes attachment size limits.

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.

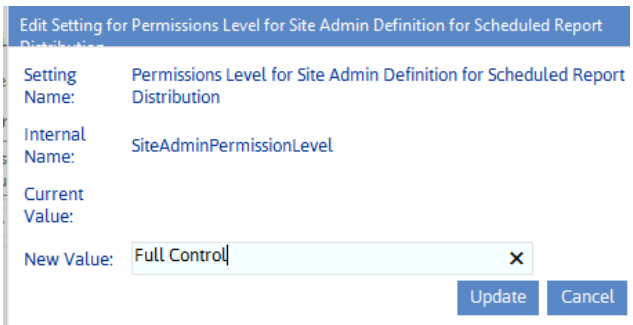
Enter multiple values as a comma-separated list.



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**.



NOTE: Only one permissions level may be entered.

Changing Settings for Anomalous Activity Detection

ControlPoint Sentinel Anomalous Activity Detection settings display under the category **Audit Log**:

Enabling Anomalous Activity Detection via the ControlPoint Scheduled Job Review

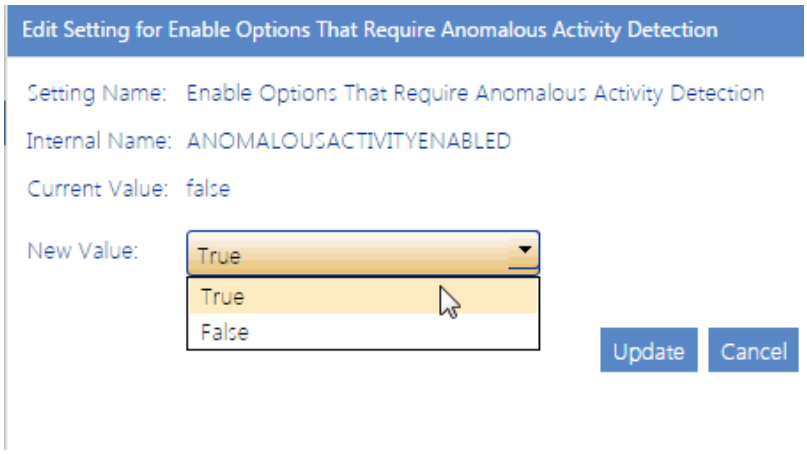
As part of preparing your environment for using ControlPoint Sentinel, Anomalous Activity Detection must be enabled to run:

- 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.



See also "Preparing Your Environment for Using ControlPoint Sentinel" in the *ControlPoint 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.

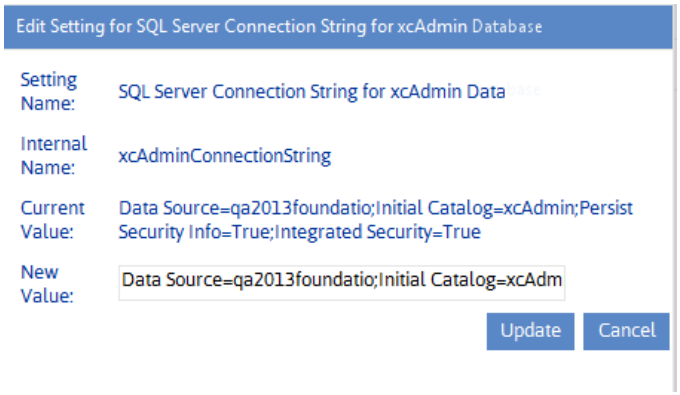
If you want to change the text of the ...	Then change the Parameter of the ControlPoint Setting	From the default text...
email Subject	**Subject Line for ControlPoint Anomalous activity Detection email (AADActivityLevelEmail Subject)**	ControlPoint Anomalous activity Detection.
email body	**ControlPoint Anomalous activity Detection Email Message (AADActvityLevelEmailBody)**	@@UserName@@ has exceeded the personal daily activity limit of @@limit@@ by @@overage@@. Where the following variables are used: • @@UserName@@ is the account name of the user who has exceeded his/her daily activity limit • @@limit@@ is the daily activity limit characterized by ControlPoint Sentinel • @@overage@@ is the amount by which the user has exceeded the activity limit for that day.

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 Connection String (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.



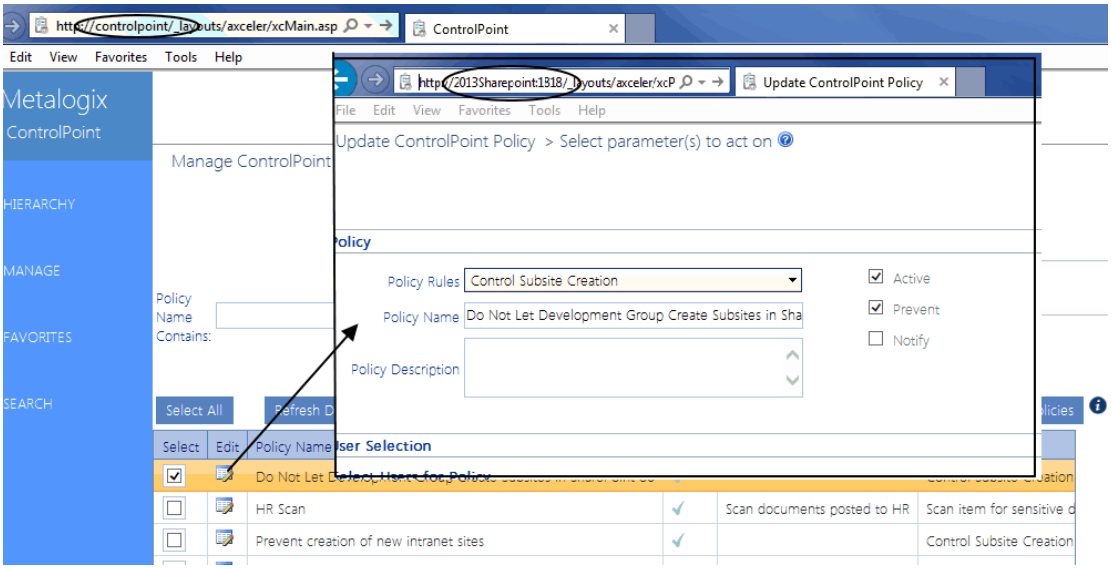
The xcAdminConnectionString Value should be modified only under rare and special circumstances (for example, if the location of the ControlPoint Services database has changed).

NOTE: If you change the location of the ControlPoint Administration database (xcadmin) during a Modify installation, the value for this setting will be updated automatically.

Url for ControlPoint Outside the Default Zone (INBOUNDCONTROLPOINTURL)

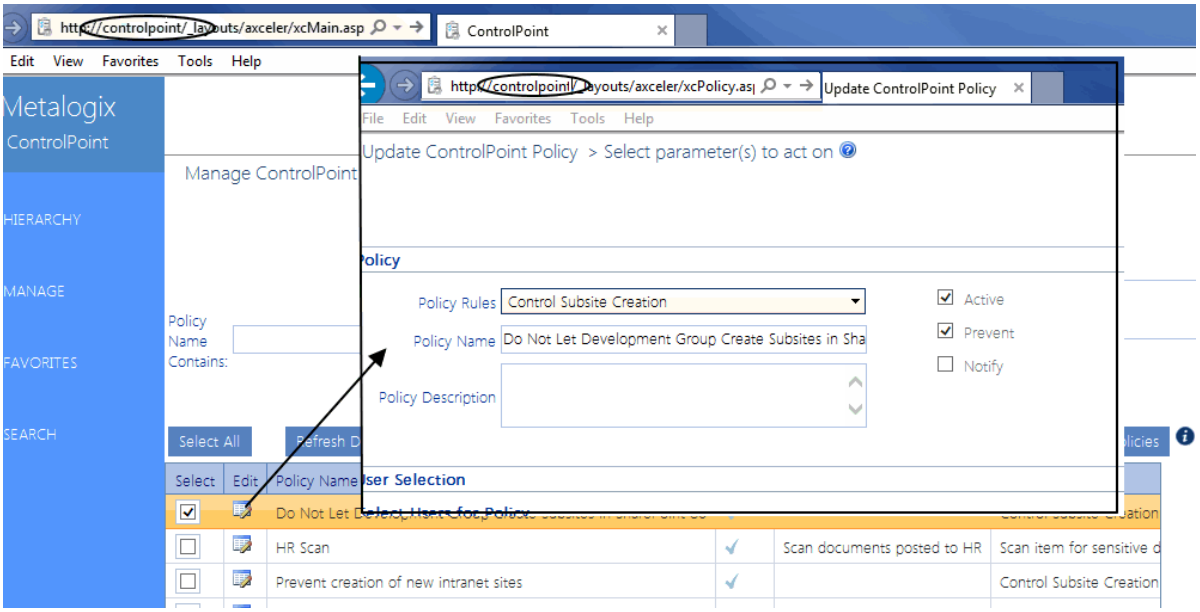
When ControlPoint is first installed, the ControlPoint Setting **Inbound ControlPoint URL** is populated with the value http://<MACHINENAME>:<portnumber> where MACHINENAME is the name of the server on which ControlPoint is installed and <portnumber> is the port number used for the ControlPoint Web application.

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**.

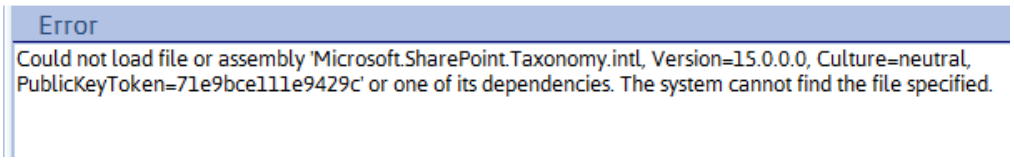
NOTE: This is an Advanced Setting.



Special-Purpose Configuration Settings

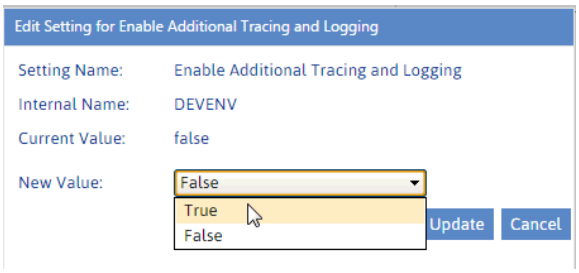
Enable Additional Tracing and Logging (DEVENV)

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 Metalogix Technical 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()

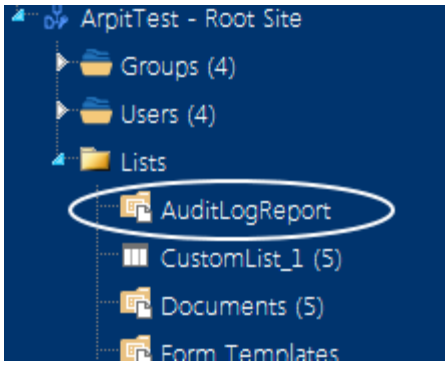
WRN: Assembly binding logging is turned OFF.
To enable assembly bind failure logging, set the registry value [HKLM\Software\Microsoft\Fusion!EnableLog] (DWORD) to 1.
Note: There is some performance penalty associated with assembly bind failure logging.
To turn this feature off, remove the registry value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

ControlPoint Online-Specific Settings

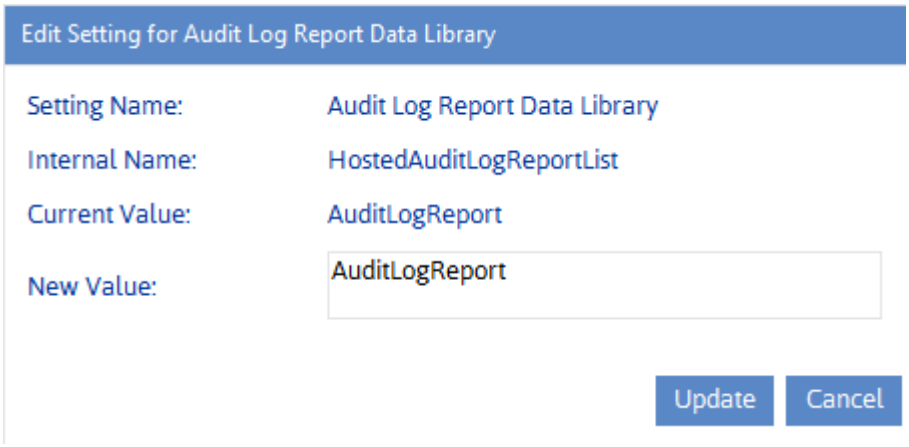
The following configuration settings apply specifically to ControlPoint Online and can be found under the category **Cloud**.

Audit Log Report Data Library (HostedAuditLogReportList)

When an Audit Log analysis is run, ControlPoint Online prompts SharePoint to gather the requested data. The data collected by SharePoint is saved to a document library at the root site of each site collection within the scope of the analysis. By default, this library is called HostedAuditLogReportList.



ControlPoint Application Administrators can, however save this data to a different library by changing the Value of the ControlPoint Setting HostedAuditLogReportList.



NOTE: If a library with the specified name does not already exist on the site collection, ControlPoint will attempt to create it the first time the Audit Log Analysis is run.

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

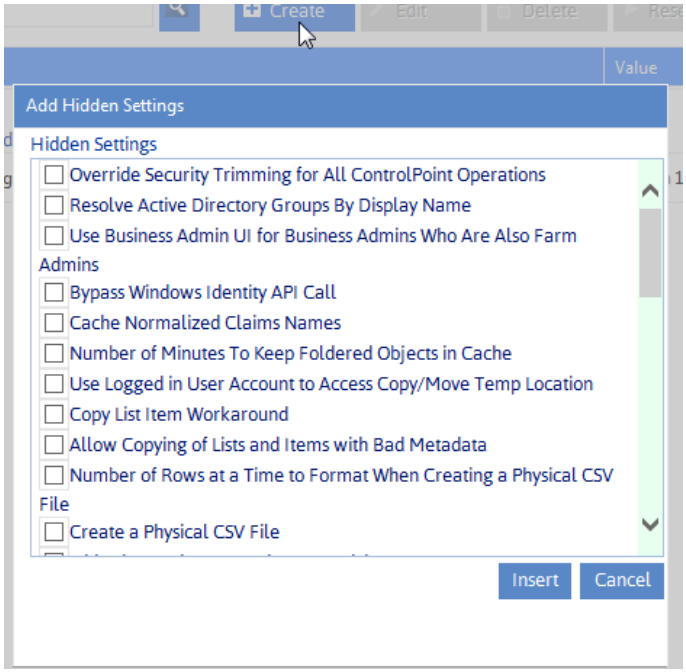
"Created" settings are special-purpose settings that you can add to the ControlPoint Settings list if needed. Generally, these settings should only be configured under special circumstances and with guidance from Metalogix Technical Support.

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.

ControlPoint Log Files

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

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

Installation Log (xcControlPoint.log)

`xcControlPoint.log`:

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

Licensing and Activation Log File (xcClient.log)

`xcClient.log`:

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

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 Full Discovery tasks, 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\ControlPointOnline\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.