

Metalogix® ControlPoint 8.6

## **Administration Guide**



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# Contents

<b>Preface</b> .....	<b>12</b>
<b>Configuring the Environment in Which ControlPoint Will Run</b> .....	<b>13</b>
Configuring ControlPoint for Additional Web Front-End Servers .....	13
Additional Configuring Considerations for Multi-Farm Installations .....	14
Configuring ControlPoint Services .....	14
<b>The ControlPoint Configuration Site</b> .....	<b>19</b>
<b>Managing Your Farm List</b> .....	<b>20</b>
<b>Managing Your ControlPoint License</b> .....	<b>22</b>
How ControlPoint Counts Users .....	22
Renewing or Changing the Terms of Your ControlPoint License .....	22
<b>Granting ControlPoint Access to Web Applications and Content Databases</b> .....	<b>25</b>
<b>Configuring ControlPoint Services</b> .....	<b>28</b>
<b>Using Discovery to Collect Information for the ControlPoint Database Cache</b> .....	<b>33</b>
Nightly Full Discovery .....	33
Updating the Nightly Discovery Timer Job Schedule .....	34
Using the Discovery Service .....	36
Launching the Discovery Setup Application .....	36
IMPORTANT: Before Running the Discovery Service .....	38
Changing Discovery Service Configuration and Settings .....	38
Starting or Stopping the Metalogix ControlPoint Discovery Service and Changing Discovery Service Properties .....	41
Monitoring the Discovery Service Queue .....	43
Viewing Discovery Detail .....	43
ControlPoint Settings Used by the Discovery Service .....	44
Running a Full or Partial Discovery Manually .....	44

<b>Using Sensitive Content Manager Services .....</b>	<b>46</b>
Launching the SCM Services Setup Application .....	47
Changing SCM Services Configuration and Settings .....	47
Monitoring the Status of ControlPoint Interactions with SCM .....	49
Viewing SCM Job Detail .....	49
<b>Setting Sensitive Content Manager EndPoints and Managing Scanning Preferences .....</b>	<b>51</b>
<b>Managing ControlPoint Configuration and Permissions .....</b>	<b>54</b>
Managing ControlPoint Users and Permissions .....	54
Setting Up ControlPoint Users and Groups .....	55
Auto-Adding Users to ControlPoint Groups .....	55
Making ControlPoint Accessible from within SharePoint .....	58
Activating ControlPoint Site Administration Features .....	62
Configuring ControlPoint Menus .....	64
Customizing ControlPoint Menus .....	73
Adding Advanced ControlPoint Menu Items .....	88
Customizing Your Favorites .....	91
Defining Custom Properties to Apply to SharePoint Sites .....	95
Accessing Members of Active Directory Groups in Different Domains or Forests .....	97
Purging Historical Activity and Storage Data from the ControlPoint Services (xcAdmin) Database .....	99
Enabling Server Details to Display in the SharePoint Summary Report .....	101
<b>Modifying ControlPoint Configuration Settings .....</b>	<b>103</b>
Changing Default Settings for Actions and Analyses .....	109
Supress "Item is inherited - no processing done" Message(SkipNotDoneMsg) .....	109
Maximum Line Items in Real-time (REPCAP) .....	109
"Use Cached Data" Default Value (CACHEDREP) .....	110
Abort Report Processing on Error (ABORTREPORTONERROR) .....	111
Display "Include users with AD group membership" Parameter (SHOWADGROUPS) .....	112

Copy/Move Default Temporary Location (TEMPLOCATION) .....	113
Time to Retain Page Data in Cache (CACHEREPORT4) .....	114
Time to Retain Temporary UI Objects in Cache (UICACHEDURATION) .....	115
Number of Reports to Keep in Memory After Drill-Down (RVSESSIONSKEPT) .....	115
Exclude Web Application(s) from Statistics List (DASHBOARDWAPEXCLUDE) .....	116
Number of List Items to Display in Selection Grid (DISPLAYSINGLELISTITEMS) .....	117
Use Activity Min. Date as Start Date (UseActivityDbDate) .....	118
"Show unique permissions only" Default Value (SHOWUNIQUEPERMONLY) .....	118
Duplicate Files Report Limit (DuplicateFilesReportLimit) .....	119
Users to Exclude from Reports (EXCLUDEDUSERS) .....	119
Eliminate Claims Prefix from Username in Reports (UseCleanedLoginNameInReports) .....	121
Maximum Number of Orphaned Users to Delete Per Scheduled Batch (OrphanDeleteBatchSize) .....	121
CSV Delimiter Character (CSVDELIMITER) .....	122
Largest Active Directory Group to Expand in Reports (MAXMEMBERS) .....	123
Maximum Number of Users to Act On (MAXUSERSFORACTION) .....	123
Hide the "Set User Direct Permissions" Action in Permissions Management (PREVENTUSERPERMS) .....	124
Prevent Set Site Collection Quotas (PreventSetSCQuota) .....	126
Show Nested Active Directory Groups (PROCESSADHIERARCHY) .....	127
Hide Interactive Analysis Link (RESTRICTSL) .....	128
Use Minimum Activity Date as Start Date (USEACTIVITYDBDATES) .....	129
Changing Default Settings to Improve Application Performance .....	130
Time to Run an Operation Before Timing Out (OPERATIONTIMEOUT) .....	130
Maximum Number of Objects to Processed in Parallel (MaxParallelProcs) .....	130
Operations Using Parallel Processing (ParallelProcs) .....	131
Objects Subject to Parallel Processing (ParallelProcSites) .....	132
SQL Command Timeout Value (COMMANDTIMEOUT) .....	133
Maximum Number of Objects to Pass to the Selection Builder (MaxObjectsForSelection) .....	134

Maximum Alert Processing Interval (MaxAlertProcessingPeriod) .....	135
Number of Seconds After Which Browser Reports Server Timeout (SERVERTIMEOUT) .....	135
Idle Time Before Session is Ended (STIMEOUT) .....	136
Maximum Size of Library in Which to Search for Web Part Pages (WEBPAGESLIMIT) .....	137
<b>Audit Log Configuration Settings .....</b>	<b>138</b>
ArchiveAuditLog Configuration Settings .....	138
Number of Days to Keep Audit Records (AUDITMAXDAYS) .....	138
Excluding Users from Audit Log Analyses (ExcludeUsersAudit) .....	139
Specifying Whether to Display Site Names in Audit Log Analyses (PROCESSAUDITNAMES) .....	140
<b>Changing Settings for Anomalous Activity Detection .....</b>	<b>141</b>
<b>Restricting Functionality for Members of the Business Administrators Group .....</b>	<b>141</b>
Prevent Business Admins from Deleting Orphaned users (BAPreventDelete) .....	142
Prevent Business Admins from Running Cacheable Reports in Real Time (BAPreventRealTime) .....	143
Preventing Members of the Business Administrators Group from Emailing Scheduled Analyses (BAPreventScheduledEmail) .....	144
Show Full Hierarchy of Business Admin Sites .....	145
<b>Changing Default Settings for ControlPoint User Groups .....</b>	<b>146</b>
Show All Site Collections to Farm Admins (SUPERADMIN) .....	147
Remote Service Account Administrators for Cross-Farm Operations (RSAADMIN) .....	147
Auto Add Users To ControlPoint Group Maximum Group Size (CPGroupMemberLimit) .....	148
Permissions Needed to See List Items in Reports (ItemSecurityLevel) .....	149
Business Administrators Group Name (BADMIN) .....	149
<b>Changing Settings to Improve Discovery Performance .....</b>	<b>150</b>
Show Menu Items That Require Discovery (DiscoveryEnabled) .....	150
Abort Discovery on Error (ABORTDISCOVERY) .....	151
Depth at Which to Stop Discovery When Time Restriction is Reached (DISCOVERYRESUMELEVEL) .....	152
Discovery Pause Time to Allow Other Operations (DISCOVERYSLLEEP) .....	152
SQL Command Timeout for Discovery Process (DISCOVERYTIMEOUT) .....	153

Maximum Discovery Run Time (DISCOVERYTIMERESTRICTION) .....	154
Exclude Web Parts from the Discovery (EXCLUDEWEBPARTS) .....	154
Tuning Options to Improve Discovery Performance (SPEEDDISCOVERY) .....	155
Site Collections to Exclude from Full Discovery (URLEXCLUDE) .....	156
Web Applications to Exclude from Full Discovery (WAPEXCLUDE) .....	157
<b>Changing Settings to Accommodate Special Environmental Factors .....</b>	<b>158</b>
Alternate Access Mapping Zone for Navigation and Report Links (URLZONE) .....	159
Enable SharePoint Server Functionality (MOSS) .....	160
<b>Changing Default Settings for Navigation .....</b>	<b>160</b>
Postpone Security Trimming of SharePoint Hierarchy Until Site Collection is Expanded (PostponeSecurityTrim) .....	161
Search Using Cached Data (CACHEDSEARCH) .....	162
How to Display Multiple Farms in SharePoint Hierarchy (FARMNAVIGATION) .....	164
Maximum Number of Objects to Display Before Foldering (NAVCAP) .....	165
Preload All Site Collections in Server-side Cache (PRELOADSITECACHE) .....	166
Show SharePoint Groups with No Permissions in Hierarchy (ShowNoPermSPGroup) .....	167
Display url or Site Name in SharePoint Hierarchy (SHOWURLASTITLE) .....	168
Maximum Number of Users to Display in SharePoint Hierarchy (SPUSERCAP) .....	170
Maximum Number of SharePoint Groups to Display in SharePoint Hierarchy (SPGROUPECAP) .....	171
<b>Managing Site Provisioning Settings .....</b>	<b>171</b>
Maximum Number of Provisioning Requests in Completed and Rejected Folders .....	171
Changing the Subject and/or Body of Provisioning Request Emails .....	172
Configuring the Site Provisioning Workflow Settings (SharePoint Server) .....	174
<b>Specifying Global Settings for ControlPoint Policies .....</b>	<b>177</b>
Users to Exclude from All ControlPoint Policies (CPPOLICYSUPERUSERS) .....	178
Content Creation Policy url (POLICYSERVICEURL) .....	178
<b>Setting Preferences for the ControlPoint Scheduler .....</b>	<b>179</b>
Maximum Number of Scheduled Jobs to Submit at One Time (MAXSUBMIT) .....	179

Number of Minutes Scheduler Will Wait Before Next Group of Jobs (OVERIDESCHEDULETIMERMINUTES) .....	180
Maximum Line Items in Scheduled Report Results (SCHEDULEDREPCAP) .....	181
Defining "Admins" for Scheduled Analysis Results Distribution (SiteAdminCriteria) .....	181
Permissions Level for Site Admin Definition for Scheduled Report Distribution (SiteAdminPermissionLevel) .....	182
Miscellaneous and Custom Configuration Settings .....	182
SQL Server Connection String for xcAdmin Database (xcAdminConnectionString) .....	183
Initial Screen (INITSCREEN) .....	183
No Dashboard (NODASHBOARD) .....	184
Special-Purpose Configuration Settings .....	186
Enable Additional Tracing and Logging (DEVENV) .....	186
Cross-Farm SSP Configuration .....	187
Look for Site Collection Admin Users in Active Directory Groups (SiteAdminAD) .....	188
Created (Hidden) Settings .....	188
Created Settings to Override ControlPoint Default Security .....	189
Additional Created Settings .....	191
<b>Changing Trace Switch Logging Levels .....</b>	<b>192</b>
<b>Archiving SharePoint Audit Log Data .....</b>	<b>194</b>
How the Audit Log Archiving Process Works .....	194
Tips for Archiving a Large Accumulation of Audit Data .....	195
Setting Up the Audit Log Data Archive .....	196
Creating the Audit_Log_Transfer Database Table .....	196
Archive Audit Log Table Connection String (ArchiveAuditLogConnectionString) .....	199
Running the Archive Audit Log Process .....	199
Running the Archive Process from the ControlPoint Application Interface .....	200
Running the Archive Process from the ControlPoint xcUtilities Interface .....	201
Running the Archive Process from a Command Line .....	202
Scheduling the Archive Process via Windows Task Scheduler .....	203

Managing Archive Audit Log Configuration Settings .....	205
Specifying the Web Applications to Include in the Archiving Process .....	205
Changing the Archive Audit Log Process Interval (Optional) .....	206
<b>Troubleshooting .....</b>	<b>208</b>
ControlPoint Log Files .....	208
ControlPoint Web Config File (web.config) .....	208
ControlPoint Administration Log (xcAdmin.log) .....	209
Logged Errors Report .....	209
Troubleshooting Configuration Errors .....	210
Blank Page/Unexpected Error .....	211
Could Not Load File or Assembly .....	212
If You Cannot Resolve a Configuration Error .....	213
Troubleshooting the ControlPoint Application Interface .....	213
Recent Change Does Not Show Up in the SharePoint Hierarchy .....	213
Remote Farms Do Not Display in SharePoint Hierarchy .....	213
Site Collections Display as "Inaccessible" .....	214
Site Collections Grayed-Out and "Locked" .....	215
When Launched from a Server That Has IE Enhanced Security Configuration Enabled, ControlPoint Fails to Launch Properly .....	215
Number of Child Objects Specified for an Object in the SharePoint Hierarchy Doesn't Match Number Displayed .....	216
The Loading of Site Collections in the SharePoint Hierarchy is Extremely Slow .....	217
Error Occurs When Attempting to Launch ControlPoint from a SharePoint Site .....	218
A Business Administrator's SharePoint Sites Do Not Display in the SharePoint Hierarchy .....	218
"A Script on the Page is Causing Internet Explorer to Run Slowly..." .....	219
Troubleshooting Discovery .....	220
"Discovery is Being Performed Now, Cannot Start" .....	220
If You Cannot Resolve a Discovery Issue .....	221
Troubleshooting SharePoint Users and Permissions .....	221

Cannot Locate SharePoint Users Authenticated by Alternate (non-Active Directory) Methods .....	221
System Exception: "Cannot get the members of the group..." .....	222
Active Directory Group Membership: "Cannot connect to the domain controller for domain" .....	222
Properties Dialog: Total Users with Permissions Displays as "Incomplete" .....	223
Users with Permissions Granted Through a Claim are not Showing Up in Permissions Analysis Results .....	224
Troubleshooting Site Provisioning .....	224
Site Provision Request Workflow Failed on Start .....	224
Provisioning Requests Manager: Workflow Status Column is Blank .....	225
Troubleshooting ControlPoint Operations .....	226
Not All ControlPoint Actions and Analyses Are Available to Me .....	226
Your Page has Expired .....	226
Timeout Exception: The server has timed out. ....	227
Hyperlinks in Activity Analysis Results are broken .....	227
Number of Users Has Exceeded the Allowable Threshold .....	228
ASP.NET Session Has Expired .....	229
Too Many Rows to Display .....	229
Download as .csv: No Cached Data for Download .....	230
Export Results to Excel: "The file you are trying to open is in a different format..." .....	230
Action or Analysis Taking Longer Than Expected .....	231
Cannot Perform Operations on Central Administration .....	232
Copy/Move Insufficient Permissions Message .....	232
Newly-Created Site Does Not Show Up in Manage SharePoint Groups Picker/Cannot be Scheduled .....	233
Cannot Run Activity Analysis Using Real-time Data .....	234
Activity Data in Analysis Results is Out of Date .....	234
Cumulative Hits Only Available Option When Running Activity Analyses .....	235
Activity Analysis Requests Column Only Shows 0's for Users and Requests .....	236
Number of Lists in Storage Analysis Results Does not Match Number Displayed in SharePoint Hierarchy .....	236

Storage Information Reported by ControlPoint is Different than What's Reported by SharePoint .....237

Most/Least and ControlPoint Policies Analysis Never Progress Beyond "Loading" Using IE 11 with SharePoint 2010 .....237

HRESULT:0x80040E09 .....238

No User Profile Application available to service the request .....238

If you Cannot Resolve an Issue with a ControlPoint Operation .....239

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# Preface

This guide contains detailed information about configuring and managing 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).

---

# Configuring the Environment in Which ControlPoint Will Run

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

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

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

## Configuring ControlPoint for Additional Web Front-End Servers

If you have more than one Web front-end server in your farm, SharePoint automatically propagates the ControlPoint application to all of them.

### Enabling Session Affinity for Load Balancing

If the ControlPoint application is to be accessed behind a load balancer, Session Affinity (“Sticky Sessions”) should be enabled for the ControlPoint Web Application on each server. Otherwise, ControlPoint analyses may fail to complete. (Note that the method for enabling Site Affinity will vary, depending on your load balancer).

# Additional Configuring Considerations for Multi-Farm Installations

If you want to run ControlPoint in a multi-farm environment:

- At a minimum, all farm in the installation must be in domains that share a two-way trust.
- If different ControlPoint Service Accounts are used for different farms, each of these accounts must be a member the ControlPoint Configuration site Remote Service Account Administrators group on all other farms in the installation.
- ControlPoint users must have the appropriate permissions for the ControlPoint Configuration site on each farm that they will be managing.

## Configuring ControlPoint Services

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

- The **ControlPoint Discovery Service** is an alternative to the (default) ControlPoint Full Discovery timer job, which runs from SharePoint Central Administration. The ControlPoint Discovery Service runs as a Windows Service, and is especially suited to very large SharePoint environments as it can significantly reduce Discovery run time.

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.

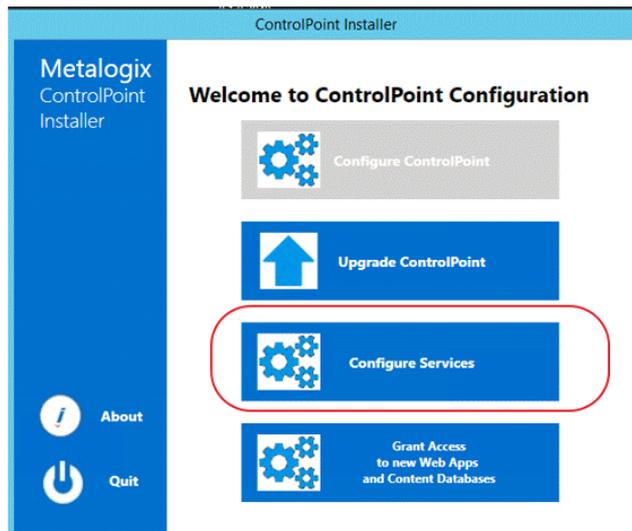
AND

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

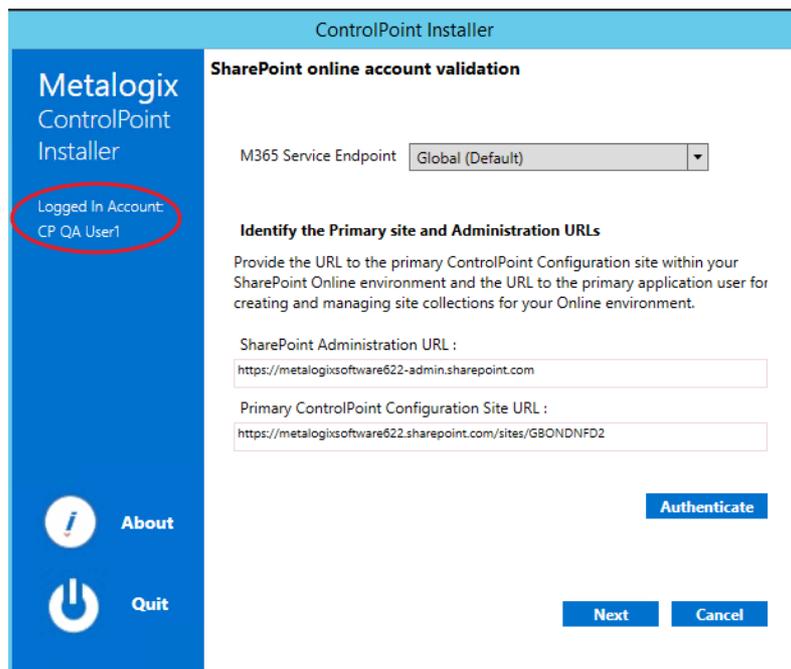
AND

- 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 login account used to install the ControlPoint application). After you have verified the Wizard has finished checking installed components, select **Configure Services**.

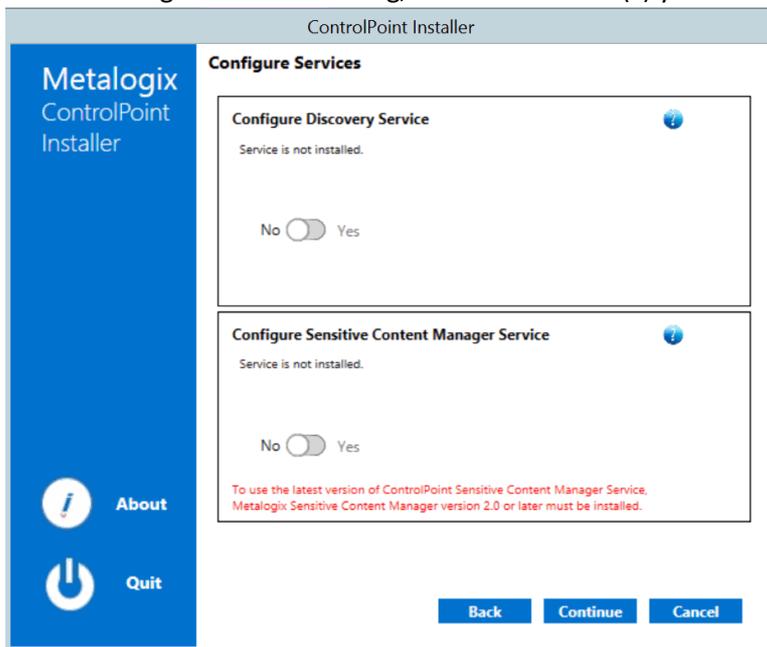


If you do choose to perform this action at later time, you will be prompted to complete the **SharePoint online account validation dialog** and authenticate using the Office 365 account used at the time ControlPoint was installed (which must be a Global Administrator for the tenant).



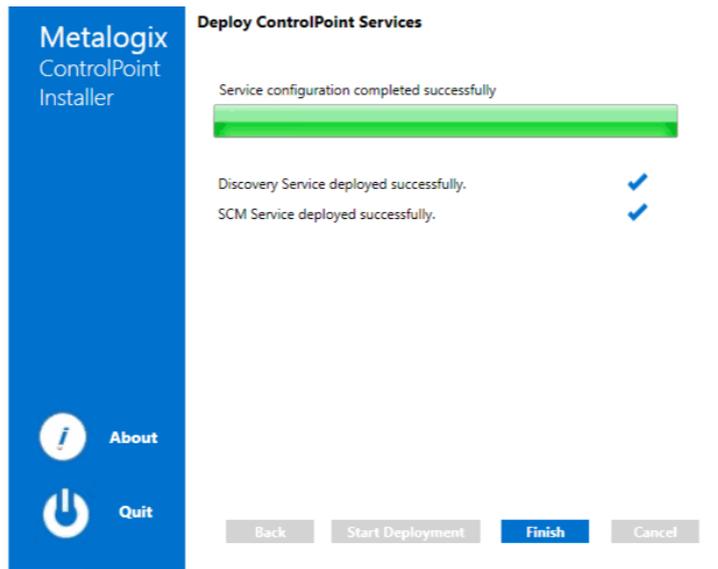
## To configure ControlPoint Services:

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

The screenshot displays the Metalogix Discovery Setup application. The main window is titled "Discovery Setup" and shows "General options for configuring Discovery Service". The "Discovery Options" section includes a dropdown menu for "Configure Discovery to run under" set to "SharePoint Local" (highlighted with a red box). Below it, the "SQL Server Connection String for xcAdmin Database" is displayed as "Data Source=qa2010farm;Initial Catalog=xcAdmin;Persist Security Info=True;Integrated Security=True" (highlighted in yellow). A "Test Connection" link is visible. An arrow points from this connection string to a Notepad window titled "CPConfiguration.exe.config - Notepad". The Notepad window shows the following XML code:

```
<?xml version="1.0" encoding="utf-8"?>
<configuration>
  <configSections>
    <section name="stateManagementInputSection"
      type="TaskConfigurationElement.StateManagementInputSection,ConfigurationElement" />
  </configSections>
  <startup>
  </startup>
  <connectionStrings>
    <add name="xcAdminConnectionString" connectionString="Data Source=qa2010farm;Initial
  Catalog='xcAdmin';Integrated Security=True;Network Library=DBMSSOCN;MultipleActiveResultSets=True;" />
  </connectionStrings>
  <appSettings>
```

---

# The ControlPoint Configuration Site

The ControlPoint Configuration site is a SharePoint site that is integral to your ControlPoint installation.

This site is used primarily for managing ControlPoint users and permissions and menus that display in the ControlPoint left navigation pane. To manage groups you either need direct rights to manage the groups or be a site collection administrator.

If you are a site collection administrator for the ControlPoint Configuration site collection, you can access the site's administration pages and ControlPoint value-added features from the Hierarchy panel. See ControlPoint Security in the *ControlPoint User's Guide* for more detail.

If you have sufficient permissions (regardless of whether you are the site collection administrator), you can access the site's home page:

- from the SharePoint Hierarchy tree, by right clicking the ControlPoint Configuration Site - Root Site and choosing **Open Site**.
- from the Manage section, by choosing **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:

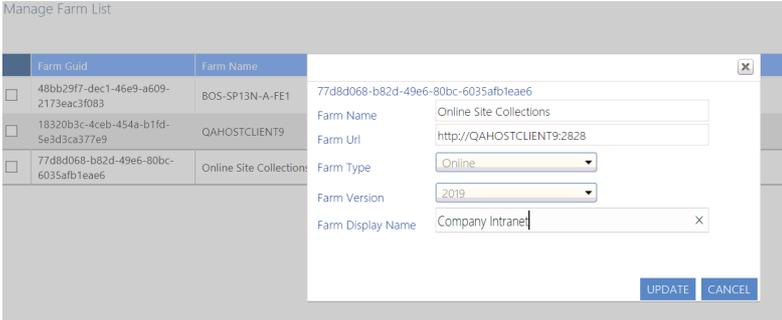
- 1 From the Manage ControlPoint panel, choose **Manage Farm List**.

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>Manage Farm List</p> <table border="1"> <thead> <tr> <th>Farm Guid</th> <th>Farm Name</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> 48bb29f7-dec1-46e9-a609-2173eac3f083</td> <td>BOS-SP13N-A-FE1</td> </tr> <tr> <td><input type="checkbox"/> 18320b3c-4ceb-454a-b1fd-5e3d3ca377e9</td> <td>QAHOSTCLIENT9</td> </tr> <tr> <td><input type="checkbox"/> 77d8d068-b82d-49e6-80bc-6035afb1eae6</td> <td>Online Site Collections</td> </tr> </tbody> </table> <p>77d8d068-b82d-49e6-80bc-6035afb1eae6</p> <p>Farm Name: Online Site Collections</p> <p>Farm Url: http://QAHOSTCLIENT9:2828</p> <p>Farm Type: Online</p> <p>Farm Version: 2019</p> <p>Farm Display Name: Company Intranet</p> <p>UPDATE CANCEL</p> <ul style="list-style-type: none"> <li>• Update the applicable field(s).</li> <li>• Click <b>[Update]</b>.</li> </ul> <p>NOTE: If the Farm Display Name is left blank, ControlPoint will use the server name.</p>	Farm Guid	Farm Name	<input type="checkbox"/> 48bb29f7-dec1-46e9-a609-2173eac3f083	BOS-SP13N-A-FE1	<input type="checkbox"/> 18320b3c-4ceb-454a-b1fd-5e3d3ca377e9	QAHOSTCLIENT9	<input type="checkbox"/> 77d8d068-b82d-49e6-80bc-6035afb1eae6	Online Site Collections
Farm Guid	Farm Name								
<input type="checkbox"/> 48bb29f7-dec1-46e9-a609-2173eac3f083	BOS-SP13N-A-FE1								
<input type="checkbox"/> 18320b3c-4ceb-454a-b1fd-5e3d3ca377e9	QAHOSTCLIENT9								
<input type="checkbox"/> 77d8d068-b82d-49e6-80bc-6035afb1eae6	Online Site Collections								
delete the farm	<ul style="list-style-type: none"> <li>• Click <b>[Delete]</b>. A pop-up dialog displays, asking you to delete the farm. To delete the farm, click <b>[Yes]</b>.</li> <li>• A second pop-up dialog displays, asking whether you want delete farm-related data from the ControlPoint database.</li> <li>• Click the appropriate option.</li> </ul>								

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.

## How ControlPoint Counts Users

ControlPoint counts all individual users who currently have permissions in SharePoint, either directly, through an Active Directory group, and/or through a SharePoint group.

Excluded from this user count are:

- external or anonymous users
- sharepoint\system
- most built-in Active Directory accounts

NOTE: ControlPoint will consider the account **NT Authority\authenticated users** and the Active Directory group **Everyone** to encompass all *active* Active Directory users (that is, for these groups, users whose accounts have been disabled in Active Directory will not be counted). If either of these accounts has permissions within SharePoint, it will be reflected in the user count.

TIP: If you suspect that there are disabled or deleted Active Directory user accounts that still have permissions in SharePoint, either explicitly or through a group other than NT Authority/authenticated users or Everyone, generate an Orphaned Domain Users report and delete them from SharePoint so they will not be included in the user count.

## 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**.



The License Status may be one of the following:

Valid

Expired

Disabled

Note that, if the logged in user is not a ControlPoint Application Administrator, the license key will not display and the **[Reactivate License]** button is not available.

License Type: Perpetual  
 License Key: XXXXX-XXXXX-XXXXX-XXXXX-XXXXX  
 Maintenance Expiration Date: 10/31/2113

## 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	select the <b>Activate Offline</b> radio button and follow the instructions that display in the dialog to complete the activation process.

If ....	Then ...
<p>want to activate your license offline</p>	<div data-bbox="651 302 1310 743" style="border: 1px solid #ccc; padding: 10px; margin-bottom: 10px;"> <p style="text-align: right;"><a href="#">Change License Key</a></p> <p>License Key: <input type="text" value="XXXXXXXX-XXXX-XXXX-XXXX"/></p> <p> <input type="radio"/> Activate Online  <input checked="" type="radio"/> Activate Offline         </p> <p><b>Step 1: Get activation data</b></p> <p> <input type="text" value="p2E1+bi3XYO1poyX55zB96I9ABE9KNCGLlgVhA7NuIH2lWlEpBkj7eivs5R5&lt;br/&gt; 6/+TMj/RHTD2rNglvclUu7VJ7dG9Nteurlw75fdK5U3EpZo9495v+//QhblDzV&lt;br/&gt; Lajm27Q1zbyQGmNdNhb23cN5OaECwAop6wO68Zc8eKFFMw/aPphou0tcOI"/>   <input type="button" value="Get Activation data"/> </p> <p><b>Step 2: Save/Copy the activation data for submission to Quest</b></p> <p> <input type="button" value="Copy Activation Data To Clipboard"/> <input type="button" value="Save Activation Data To File"/> </p> <p><b>Step 3: Submit activation data to <a href="https://support.quest.com/offline-activation">https://support.quest.com/offline-activation</a></b></p> <p><b>Step 4: Paste Activation Response</b></p> <p><input type="text"/></p> </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>

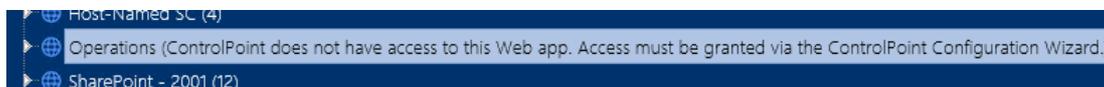
4 Click **[Activate]**.

# Granting ControlPoint Access to Web Applications and Content Databases

ControlPoint Application Administrators must ensure that the ControlPoint Service Account has Full Control access rights to the Web application(s) if:

- a new Web application is added to a farm
- a new content database has been added to a Web application, or
- the permissions for the ControlPoint Service Account have been changed in or deleted from the Web application's policy.

If an account other than the ControlPoint Service Account is used as the Application Pool account, the following text will display beside the Web application icon in the left navigation pane:  
"(ControlPoint does not have access to this Web app. Access must be granted via the ControlPoint Configuration Wizard.)"



If a content database has been added and access rights have not been granted, site collections beneath the text "Inaccessible" will display.

You can grant access rights to Web applications and content databases from the server on which ControlPoint is installed.

## To grant access to additional Web application(s) or Content Database(s):

1. Log into the server where ControlPoint is installed as the ControlPoint installation account.

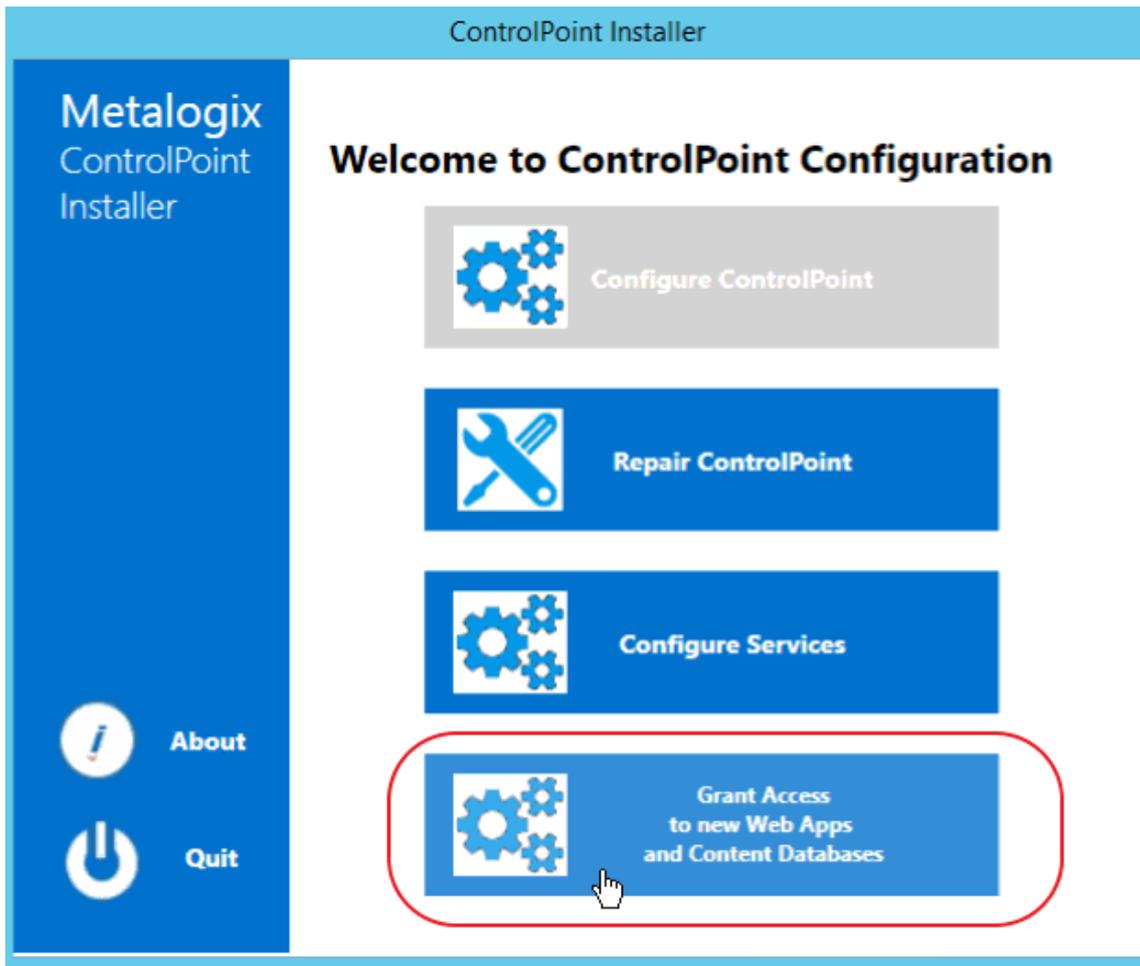
**NOTE:** As a `sysadmin`, the ControlPoint installation account has the permissions required to grant access rights.

2. Launch the **ControlPoint Configuration Wizard**.

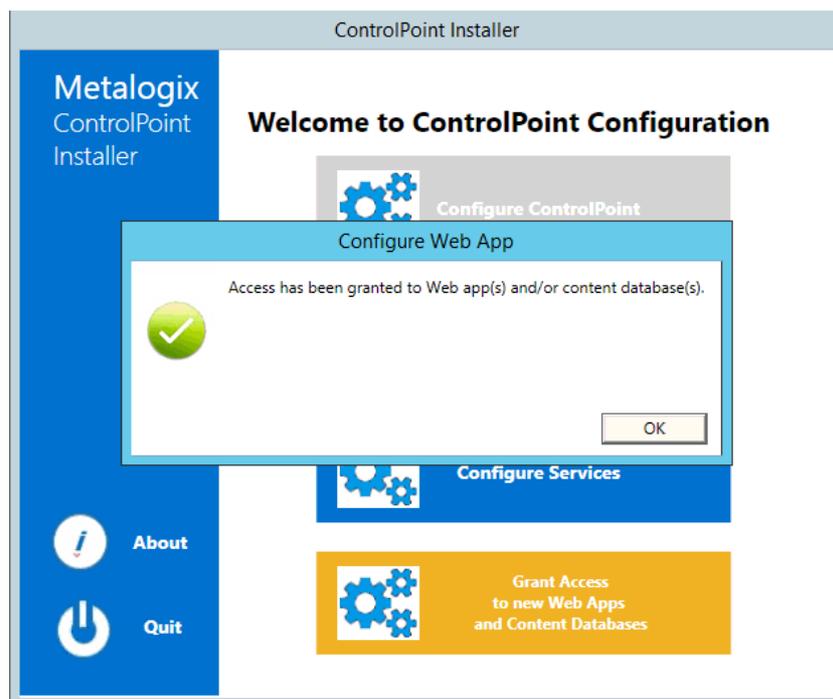
After the ControlPoint Components check has completed, click **[Continue]**.

The Configuration Wizard Welcome dialog displays.

3. Click **Grant Access to New Web Apps and Content Databases**.



Once access has been successfully granted, a confirmation pop-up displays.



NOTE: If no new Web applications or content databases have been added, the pop-up will display the message *All Web apps and content databases are already configured for ControlPoint.*

---

# Configuring ControlPoint Services

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

- The **ControlPoint Discovery Service** is an alternative to the (default) ControlPoint Full Discovery timer job, which runs from SharePoint Central Administration. The ControlPoint Discovery Service runs as a Windows Service, and is especially suited to very large SharePoint environments as it can significantly reduce Discovery run time.

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.

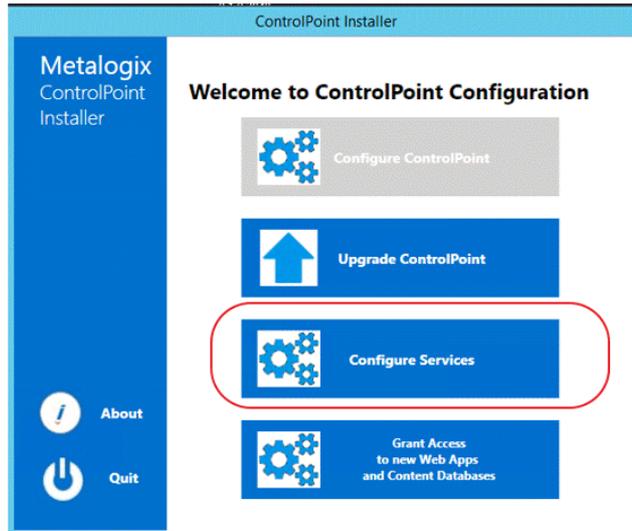
AND

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

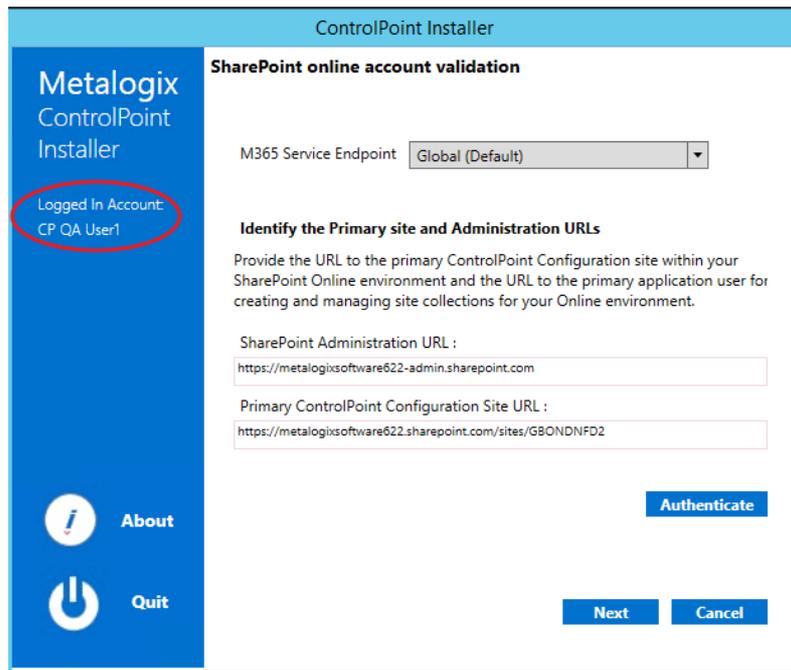
AND

- 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 login account used to install the ControlPoint application). After you have verified the Wizard has finished checking installed components, select **Configure Services**.

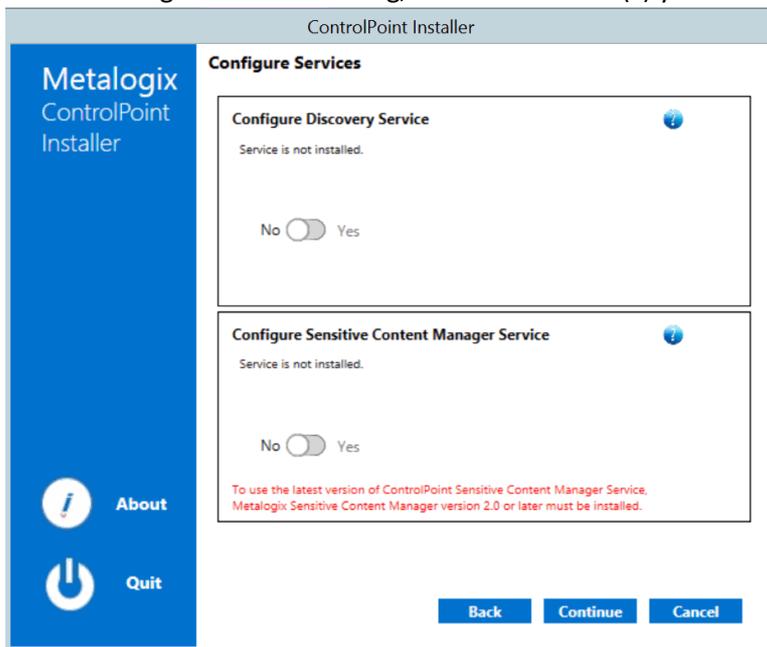


If you do choose to perform this action at later time, you will be prompted to complete the **SharePoint online account validation dialog** and authenticate using the Office 365 account used at the time ControlPoint was installed (which must be a Global Administrator for the tenant).



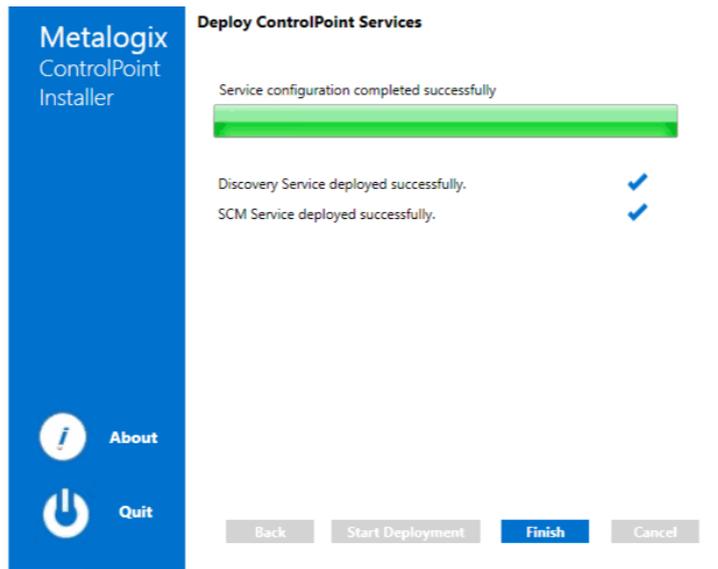
## To configure ControlPoint Services:

- 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\ControlPoint\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 `CPCConfiguration.exe.config`, located, by default, in the folder `C:\Program Files\Metalogix\ControlPoint\ControlPointFeatures`. Use the portion of the string that starts with the words **Data Source** and ends with **Integrated Security = <value>**.

The screenshot displays the Metalogix Discovery Setup application. The main window is titled "Discovery Setup" and contains a sidebar with navigation options: General, Trace Settings, Permissions, Site Analytics, and Service Properties. The "General" tab is selected, showing "Discovery Options".

Under "Discovery Options", the "Configure Discovery to run under" dropdown is set to "SharePoint Local". Below this, the "SQL Server Connection String for xcAdmin Database" is displayed as "Data Source=qa2010farm;Initial Catalog=xcAdmin;Persist Security Info=True;Integrated Security=True". A "Test Connection" link is visible below the connection string.

An arrow points from the connection string in the application to a Notepad window titled "CPConfiguration.exe.config - Notepad". The Notepad window shows the following XML configuration:

```
<?xml version="1.0" encoding="utf-8"?>
<configuration>
  <configSections>
    <section name="stateManagementInputSection"
      type="TaskConfigurationElement.StateManagementInputSection,ConfigurationElement" />
  </configSections>
  <startup>
  </startup>
  <connectionStrings>
    <add name="xcAdminConnectionString" connectionString="Data Source=qa2010farm;Initial
      Catalog='xcAdmin';Integrated Security=True;Network Library=DBMSSOCN;MultipleActiveResultSets=True;" />
  </connectionStrings>
  <appSettings>
```

---

# Using Discovery to Collect Information for the ControlPoint Database Cache

Discovery is a farm-specific background task that collects information and stores it in the ControlPoint Services (xcAdmin) database cache for the following purposes:

- for use in ControlPoint data analysis and reporting
- to populate SharePoint permissions for members of the ControlPoint Business Administrators group
- to identify ControlPoint users who meet the criteria for "Admins" for scheduled analysis distribution, and
- to populate and update statistics lists used to create dashboards.

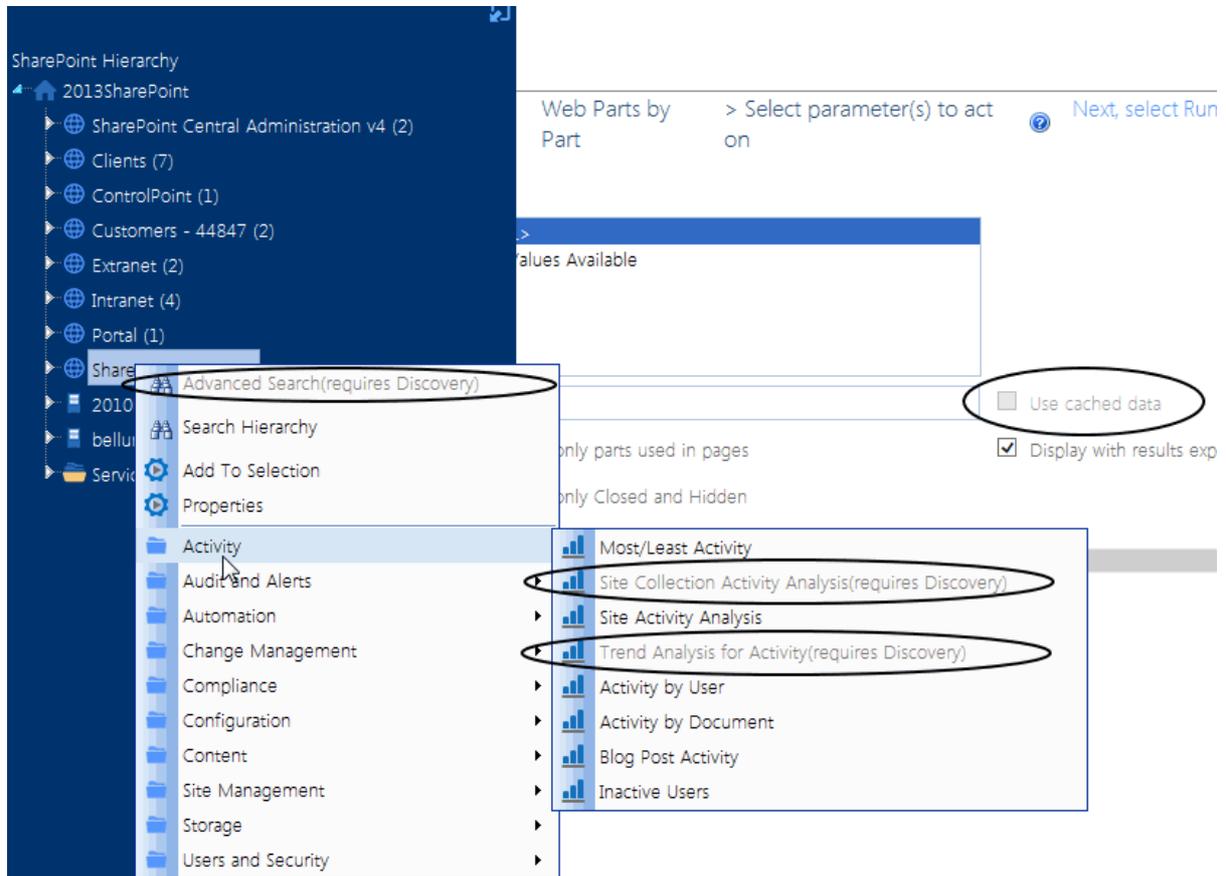
NOTE: Discovery can be a resource-intensive process, especially in a large SharePoint farm. If you regularly experience performance issues when the Discovery task is in progress, contact [Quest Technical Support](#) for help in fine-tuning the process to run more efficiently in your environment.

## Nightly Full Discovery

Full Discovery—which encompasses an entire farm—is normally triggered by a SharePoint timer job or the [ControlPoint Discovery Service](#) to run nightly, after all SharePoint data usage jobs have completed. In addition to collecting data for analysis and reporting, Full Discovery records the SharePoint permissions of site administrators (that is, members of the ControlPoint Business Administrators group). See Making ControlPoint Available to Business Users (Site Administrators) in the *ControlPoint User Guide*.

If you want to ensure that your ControlPoint analyses have the most recent cached data—you can [run the Full Discovery process manually](#).

The ControlPoint installer includes the option to configure the Discovery Service. If the Discovery Service is not configured, both the nightly Discovery job and the operations and parameters that rely on cached data collected by Discovery are disabled.



The ControlPoint Application Administrators can, however, enable both the nightly Discovery job and the [operations and parameters that rely on it](#) or [configure the ControlPoint Discovery Service](#).

NOTE: If the ControlPoint Application Administrator configures the ControlPoint Discovery Service, these Discovery-dependent operations and parameters will be enabled automatically.

## Updating the Nightly Discovery Timer Job Schedule

The Nightly Discovery timer job is configured to run *after* all SharePoint usage analysis jobs have finished, which ensures that results of ControlPoint data analyses contain the most current cached data.

If the timing of an existing SharePoint usage analysis job has changed or a new job is added, you can update the schedule of the nightly Discovery job to ensure that it continues to run at the proper time (that is, after all of the new and existing usage analysis jobs have completed).

NOTE: It should only be necessary to update the nightly Full Discovery timer job schedule if a SharePoint usage analysis job has been added and/or the timing of an existing job has changed.

Note that the procedures below pertain to updating the Nightly Discovery *timer* job in Central Administration. If you have the ControlPoint Discovery Service configured, follow the procedure for [Changing Discovery Service Configuration and Settings](#).

## To update the Discovery timer job schedule in Central Administration:

- 1 Open the SharePoint Central Administration site and navigate to the Scheduled Jobs page.
- 2 Locate and click on the **ControlPoint Discovery Job**.

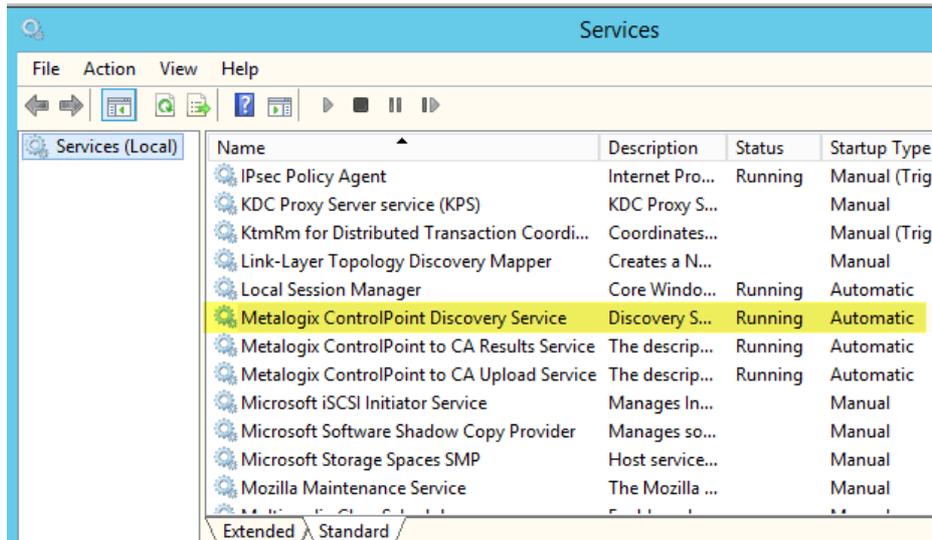
NOTE: During an upgrade from a version older than 6.0, the name 'Axceler' in the Discovery and Scheduled Job Review timer jobs is changed to 'ControlPoint'.

- 3 Update the **Recurring Schedule** section as needed.

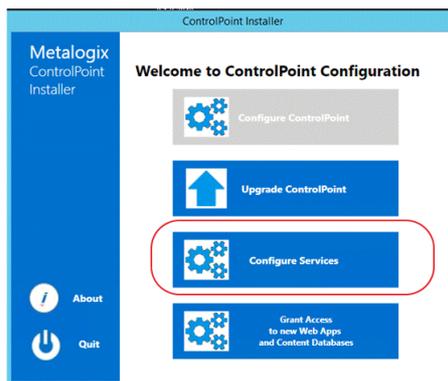
Job Title	ControlPoint Discovery Job	
Job Description		
Job Properties	Web application:	ControlPoint
This section lists the properties for this job.	Last run time:	N/A
Recurring Schedule	<p>This timer job is scheduled to run:</p> <p> <input type="radio"/> Minutes      Starting every day between  <input type="radio"/> Hourly            3 AM ▼ 00 ▼  <input checked="" type="radio"/> Daily                and no later than  <input type="radio"/> Weekly              4 AM ▼ 00 ▼  <input type="radio"/> Monthly         </p>	
Use this section to modify the schedule specifying when the timer job will run. Daily, weekly, and monthly schedules also include a window of execution. The timer service will pick a random time within this interval to begin executing the job on each applicable server. This feature is appropriate for high-load jobs which run on multiple servers on the farm. Running this type of job on all the servers simultaneously might place an unreasonable load on the farm. To specify an exact starting time, set the beginning and ending times of the interval to the same value.		

# Using the Discovery Service

The ControlPoint Discovery Service is an alternative to the (default) ControlPoint Discovery timer job, which runs from SharePoint Central Administration. 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

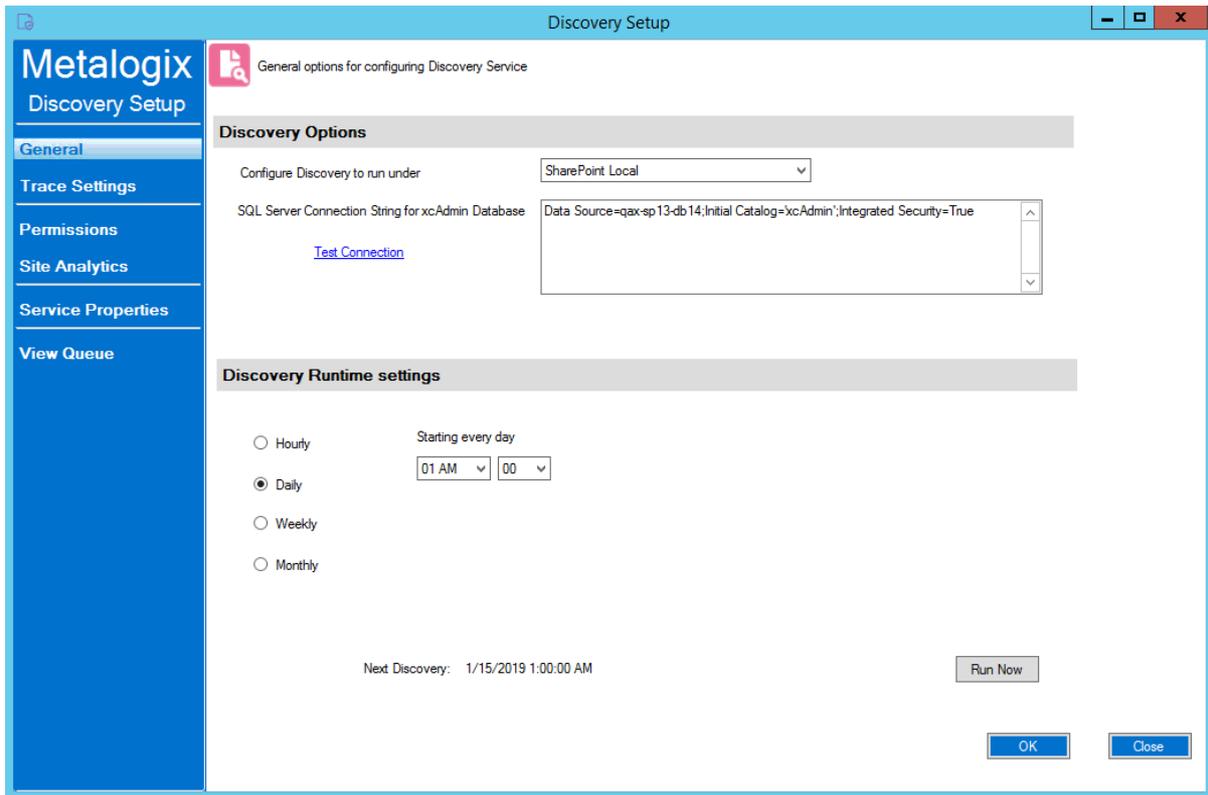
You can use the Discovery Setup Application to

- [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\ControlPointFeatures\Services\Discovery`)
- 2 Open **DiscoverySetup.exe** (using the **Run as Administrator** option).



# IMPORTANT: Before Running the Discovery Service

Before ControlPoint Discovery Service is run, the ControlPoint Discovery timer job must be disabled in SharePoint Central Administration.

The screenshot shows the 'Job Definitions' page in SharePoint Central Administration. On the left is a navigation menu with categories like 'Timer Links', 'Central Administration', 'Monitoring', 'Security', etc. The main area is a table with columns: 'Title', 'Web Application', and 'Schedule Type'. The 'ControlPoint Discovery Job' is highlighted, and its 'Schedule Type' is 'Disabled', which is circled in red. Other jobs include 'Access Services Monitor Timer Job', 'Analytics Event Store Retention', and various 'Content Type Subscriber' jobs.

Title	Web Application	Schedule Type
Access Services Monitor Timer Job		Disabled
Analytics Event Store Retention		Weekly
Analytics Timer Job for Search Service Application Search Service Application		Minutes
App Installation Service		Minutes
App State Update		Hourly
Application Addresses Refresh Job		Minutes
Application Server Administration Service Timer Job		Minutes
Content Type Hub		Daily
Content Type Subscriber	ControlPoint	Hourly
Content Type Subscriber	NewDisCOVERY - 24321	Hourly
Content Type Subscriber	Provision Src Templates - 28444	Hourly
Content Type Subscriber	Provisioning Target - 20351	Hourly
Content Type Subscriber	SharePoint - 80	Hourly
ControlPoint Anomalous Activity Detection Job	ControlPoint	Disabled
ControlPoint Discovery Job	ControlPoint	Disabled
ControlPoint Scheduled Job Review	ControlPoint	Minutes

NOTE: This job is disabled by default when the Discovery Service is installed.

## Changing Discovery Service Configuration and Settings

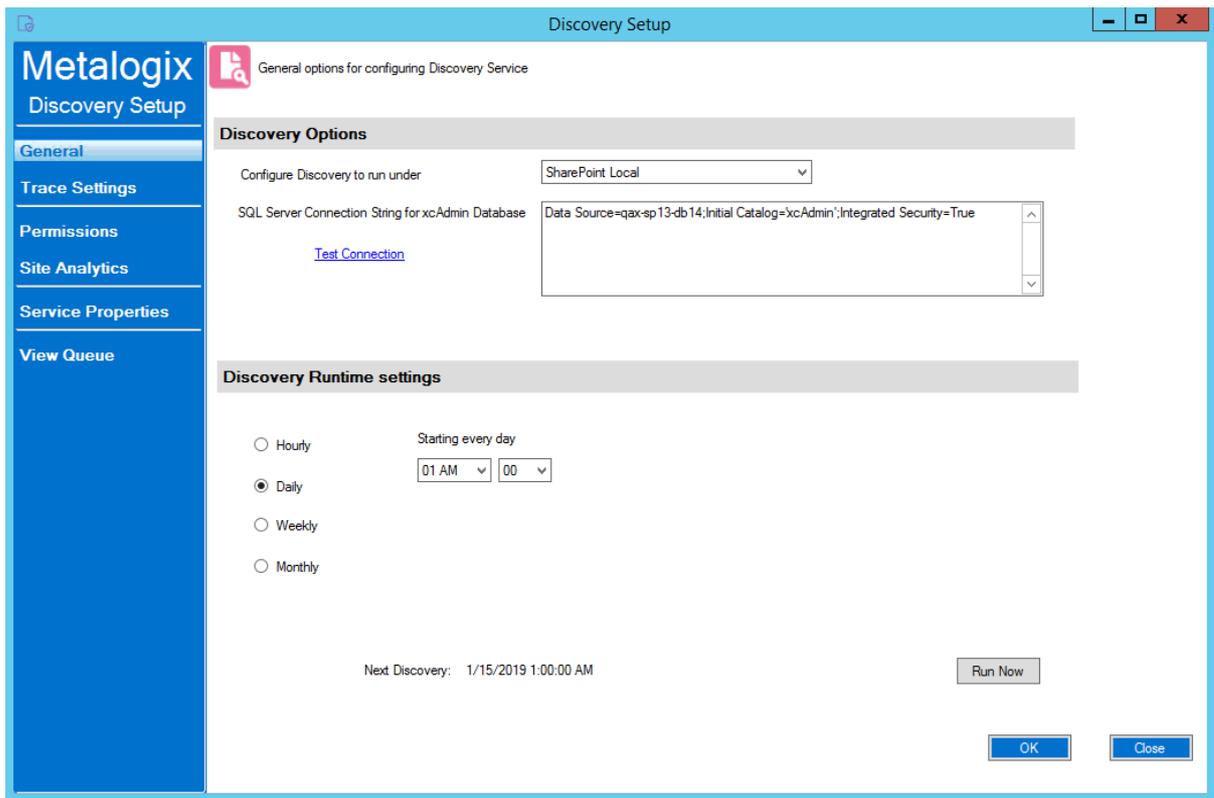
From the Discovery Setup application, you can change the Discovery Service Configuration and Settings described below.

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

### General Options

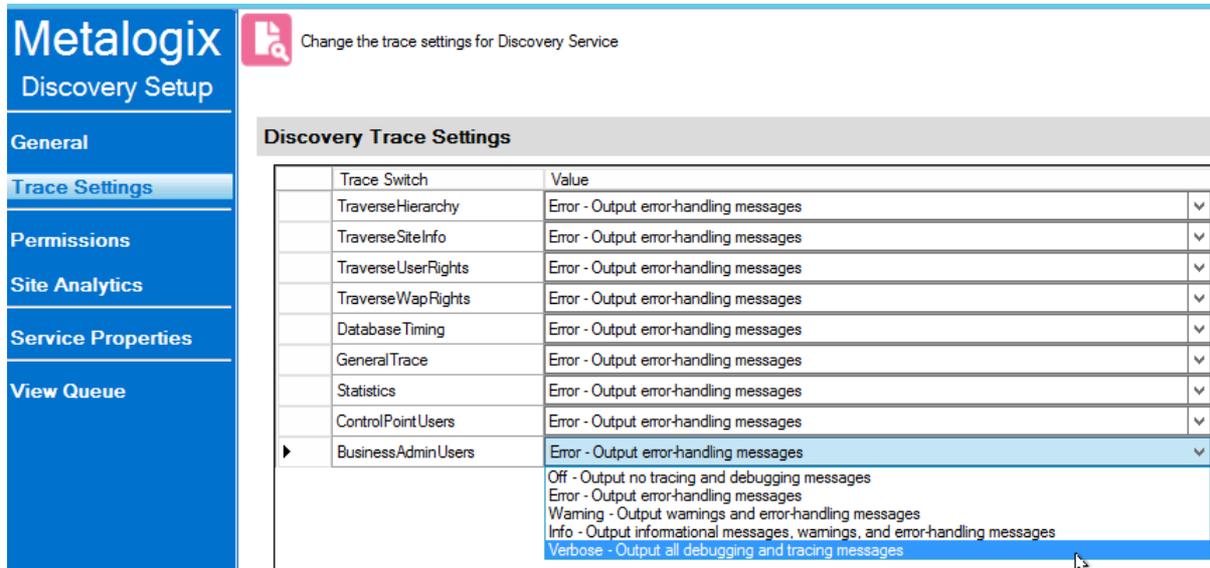
If you want to change **Discovery Runtime settings**, (by default, every night at 1 am, local server time), adjust as necessary.

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

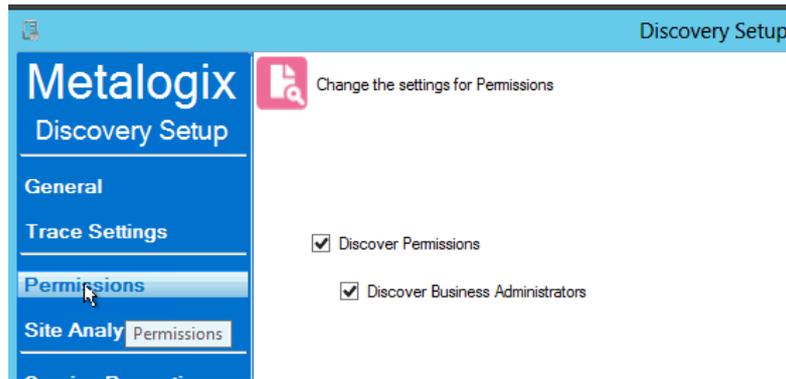
You can use the **Discovery Trace Settings** drop-downs to change the level of logging for individual Discovery components.



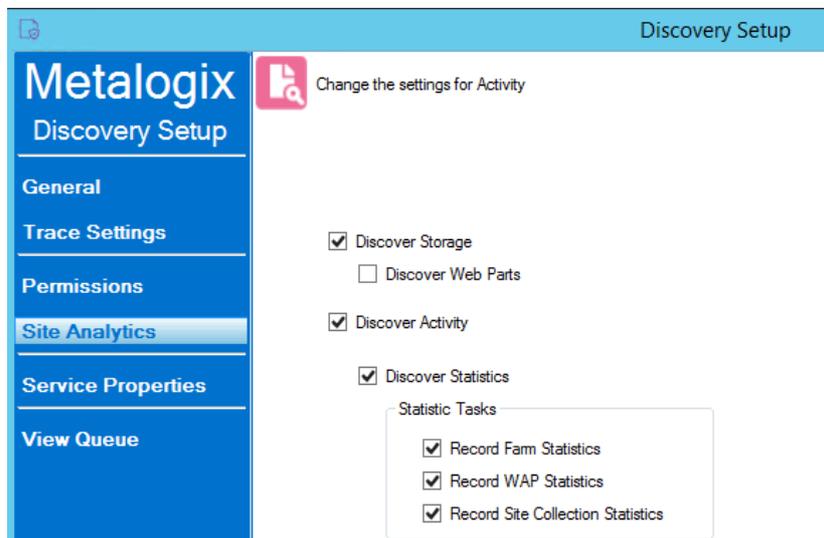
## Permissions and Site Analytics (Include/Exclude Options)

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

- **Permissions:**



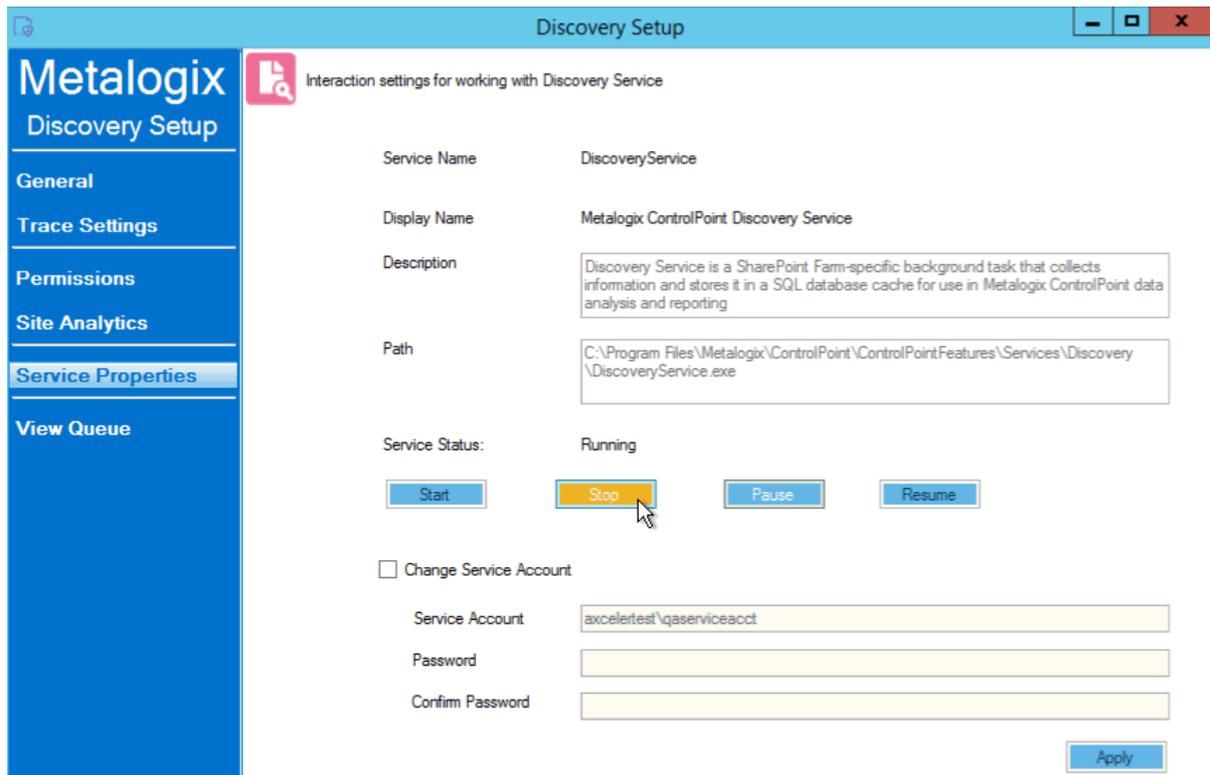
- **Discover Permissions** (for analyses using cached data)
- **Discover Business Administrators** (that is, the SharePoint permissions of members of the ControlPoint Business Administrators group)
- **Site Analytics:**



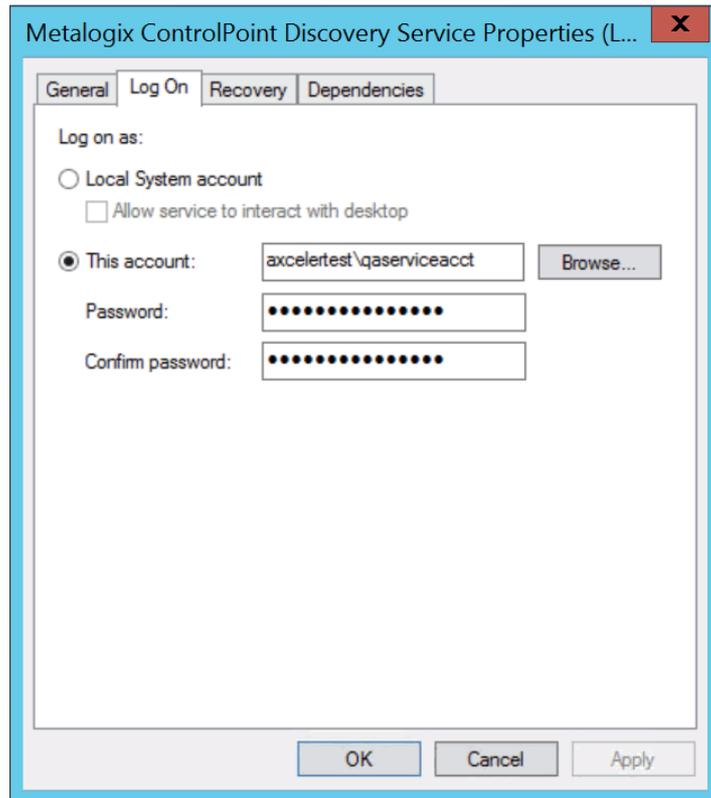
- **Discover Storage**
- **Discover Web Parts**
- **Discovery Activity**
- **Discover Statistics** (which populate Statistics lists that are displayed on the ControlPoint Configuration site when this functionality is enabled)

# 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 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 Full Control in the Policy of every Web Application in the SharePoint farm and 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
1/19/2019 1:00 AM	xcTopHierarchy	1	1	1/18/2019 1:00 AM	1/18/2019 1:00 AM	Task Finished
1/19/2019 1:00 AM	xcUserRights	1	2	1/18/2019 1:00 AM	1/18/2019 1:00 AM	Task Finished
1/19/2019 1:00 AM	xcUsers	1	3	1/18/2019 1:00 AM	1/18/2019 1:00 AM	Task Finished
1/19/2019 1:00 AM	xcWapRights	1	4	1/18/2019 1:00 AM	1/18/2019 1:00 AM	Task Finished
1/19/2019 1:00 AM	xcSteInfo	1	5	1/18/2019 1:00 AM	1/18/2019 1:00 AM	Task Finished
1/19/2019 1:00 AM	xcBAUsers	1	6	1/18/2019 1:00 AM	1/18/2019 1:00 AM	Task Finished
1/19/2019 1:00 AM	xcStats	1	7	1/18/2019 1:00 AM	1/18/2019 1:01 AM	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 Detail

You can view the details of a Discovery Service run in the **DiscoveryService.log**, which is located in the folder where the Discovery Service files reside (by default `C:\Program Files\Metalogix\ControlPoint\ControlPointFeatures\Services\Discovery`). A new log is created each week (with the date that the log was created appended to the file name). The level of detail recorded in the log depends on the [Discovery Trace Switch values](#).

# ControlPoint Settings Used by the Discovery Service

The majority of Discovery Performance-related ControlPoint Settings apply to Discovery only when run via the ControlPoint Discovery timer job or via the Control application interface. However, the following settings are also used by the Discovery Service:

- [Enable Options That Require Discovery \(DiscoveryEnabled\)](#)
- [Site Collections to Exclude from Full Discovery \(URLEXCLUDE\)](#)
- [Web Applications to Exclude from Full Discovery \(WAPEXCLUDE\)](#)

## Running a Full or Partial Discovery Manually

You can run a Discovery on your entire farm or a Partial Discovery on selected Web applications/site collections either interactively or on a one-time or recurring schedule.

You may want to manually run a Full Discovery when:

- the nightly Full Discovery job is disabled or has failed to run, or
- you want to perform an ad hoc update to the ControlPoint cache.

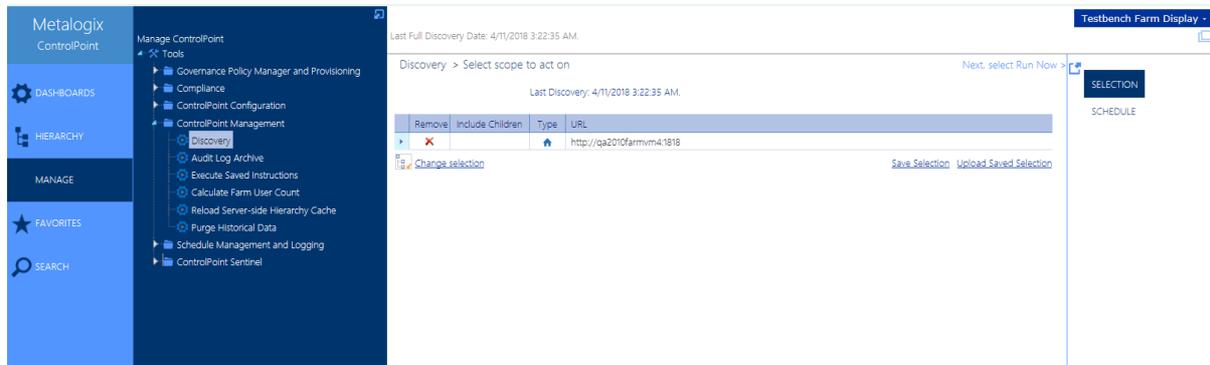
A Partial Discovery can be useful:

- when you want to update the ControlPoint cache for specific Web applications/site collections only without having to run a more resource-intensive Full Discovery. (For example, if you just granted new permissions to a user in the Business Administrators group and want sites to be visible to that user in the SharePoint Hierarchy, you can run a partial Discovery just on the Web application(s) containing the sites that the user manages.)
- for Web applications or site collections that you have excluded from the Full Discovery process. For example, some Web applications, such as those that contain My Sites, can greatly increase the Full Discovery run time. Web applications containing such sites may be excluded from the Full Discovery process and scheduled to run less frequently.

**IMPORTANT:** Unlike Full Discovery, which runs under the ControlPoint Service Account, manual Discovery is run under the credentials of the logged-in user. Therefore, you can only discover site collections for which you are a Site Collection Administrator.

## To run a Discovery manually:

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



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

If you want run a...	Then ...
Full Discovery	do not modify the Selection section.  NOTE: The default selection encompasses the entire farm, except for any Web applications and/or site collections that have been excluded from the Full Discovery process.
Partial Discovery	select the Web application(s)/site collection(s) on which you want to run Discovery, using the procedure for Changing Your Selection.  NOTE: The Partial Discovery will include all Web applications/site collections that you explicitly select, regardless of whether they have been excluded from the Full Discovery process.

- 3 Either:
  - run the Discovery immediately (by clicking the **[Run Now]** button).

OR

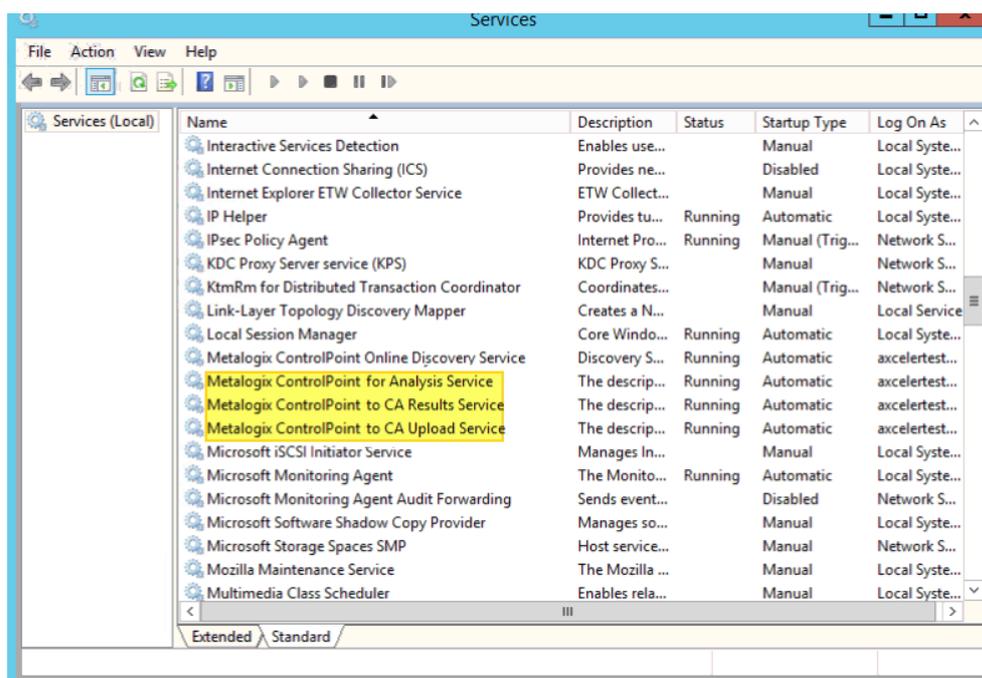
  - schedule the Discovery to run on a one-time or recurring basis.

# Using Sensitive Content Manager Services

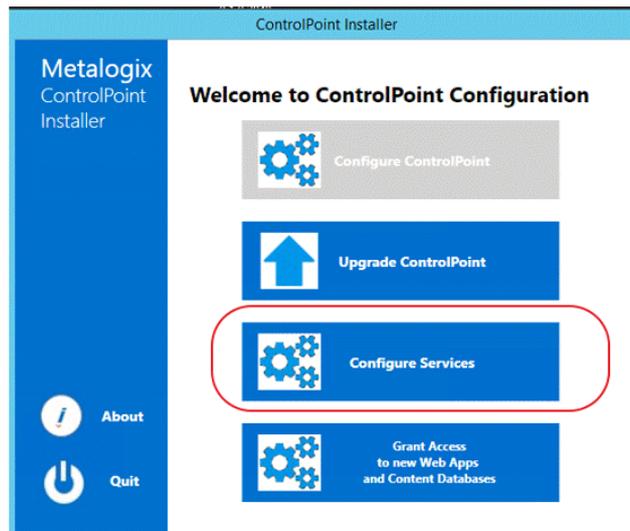
If you have Metalogix Sensitive Content Manager installed in your environment, ControlPoint Sensitive Content Manager (SCM) Services allow you to use ControlPoint to:

- 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.



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\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

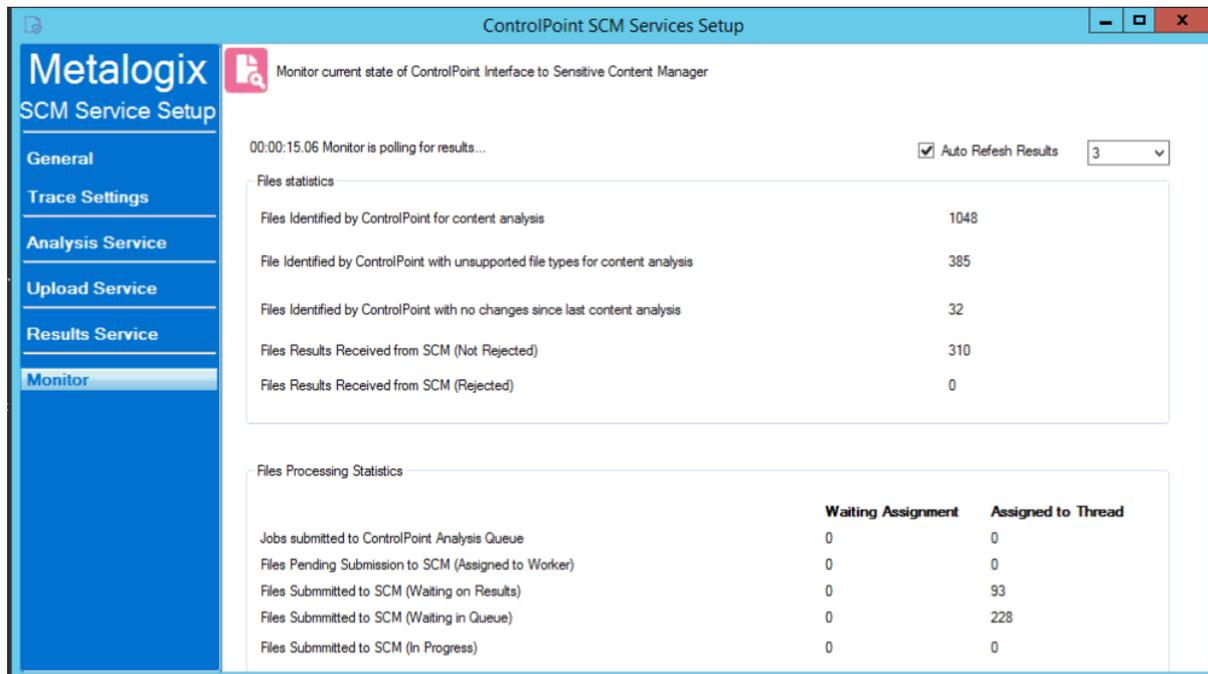
**Results Service Trace Settings**

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.



The screenshot shows the 'ControlPoint SCM Services Setup' window with the 'Monitor' tab selected. The interface displays the following information:

- Files statistics:**

Category	Count
Files Identified by ControlPoint for content analysis	1048
File Identified by ControlPoint with unsupported file types for content analysis	385
Files Identified by ControlPoint with no changes since last content analysis	32
Files Results Received from SCM (Not Rejected)	310
Files Results Received from SCM (Rejected)	0
- Files Processing Statistics:**

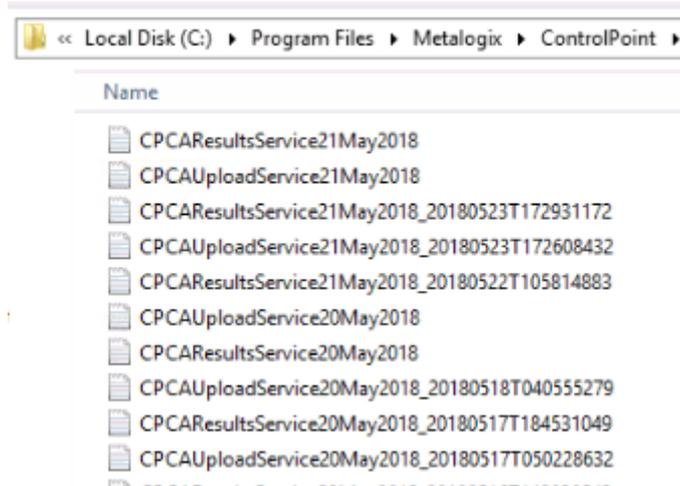
Category	Waiting Assignment	Assigned to Thread
Jobs submitted to ControlPoint Analysis Queue	0	0
Files Pending Submission to SCM (Assigned to Worker)	0	0
Files Submitted to SCM (Waiting on Results)	0	93
Files Submitted to SCM (Waiting in Queue)	0	228
Files Submitted to SCM (In Progress)	0	0

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\ControlPointFeatures\Services\ContentAnalysis`).

At a minimum, a new log is created each week (with the date that the log was created appended to the file name). 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 EndPoints 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.

The screenshot shows the 'ControlPoint Sensitive Content Manager Configuration settings' dialog. It includes the following configuration items:

Configuration Item	Value / Setting
Sensitive Content Manager Upload EndPoint:	https://bos-c-scm.axcelertest.local:44303
Sensitive Content Manager Results EndPoint:	https://bos-c-scm.axcelertest.local:44302
Sensitive Content Manager Profile EndPoint:	https://bos-c-scm.axcelertest.local:44304
Sensitive Content Manager Search Terms EndPoint:	https://bos-c-scm.axcelertest.local:44305
Automatically add Scan Results column and update with severity level in SharePoint Lists	True
Automatically add Terms detected column and update with severity level in SharePoint Lists	False
Include text in list items in addition to files when performing Content Analysis	False
Allow use of ControlPoint Policies to automatically scan items added or updated in SharePoint lists	True

An 'Update' button is located in the top right corner of the dialog.

Endpoint	Description	Value*
Sensitive Content Manager Upload EndPoint	The URL for the Sensitive Content Manager for sending files.  This corresponds to the <b>File Upload 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 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)

\* If you have upgraded from a pre-8.0 version of ControlPoint, default values that end with the text "onmetalogix.com" must be overwritten.

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

Allow use of ControlPoint Policies to automatically scan items added or updated in SharePoint lists

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	
Copomplete 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*.

By default, ControlPoint Compliance Administrators have the options to **Scan item for sensitive data when content is added** and **Scan item for sensitive data when content is updated or saved** when creating ControlPoint Policies. ControlPoint Application Administrators can, however, hide these options by changing the value of the ControlPoint Setting Allow use of ControlPoint Policies to automatically scan items added or updated in SharePoint lists from *True* to *False*.

---

# Managing ControlPoint Configuration and Permissions

Administration of the ControlPoint application includes:

- managing users and permissions for the ControlPoint application.
- configuring the menus that appear in the ControlPoint left navigation pane, and
- managing the list of farms administered via ControlPoint.

## Managing ControlPoint Users and Permissions

### Process Overview

The following table describes the process ControlPoint Application Administrators use to manage users and permissions for the ControlPoint application.

Stage	Description
1	<b>Set up ControlPoint users and groups.</b> See <a href="#">Setting Up ControlPoint Users and Groups</a> .
2	<b>Configure ControlPoint menus</b> for different users and groups. See <a href="#">Configuring ControlPoint Menus</a> .
3	<b>Manage access</b> to ControlPoint menus. See <a href="#">Managing Access to ControlPoint Menus</a> .

# Setting Up ControlPoint Users and Groups

As part of the initial ControlPoint installation, four default user groups are created.

After the initial configuration, the site collection administrator—or any user who has been given direct rights to manage groups—can manage ControlPoint users and groups via the ControlPoint Configuration site. You can, for example, create additional groups with different sets of permissions, including access to different sets of ControlPoint menu items.

[ControlPoint Configuration Site](#)

## ControlPoint Configuration Site › People and Groups

Group	Edit	About me
<a href="#">Administrators</a>		This group is for ControlPoint Application Users- Technical Administrators
<a href="#">Business Administrators</a>		This group is for ControlPoint Application Users - Business Administrators
<a href="#">ControlPoint Application Administrators</a>		This group is for ControlPoint Application Administrators
<a href="#">ControlPoint Compliance Administrators</a>		ControlPoint Compliance Administrators
<a href="#">ControlPoint Quarantine Administrators</a>		ControlPoint Quarantine Administrators
<a href="#">Remote Service Account Administrators</a>		This group is for ControlPoint Application Users - Remote Service Account Administrators

In addition to managing permissions to the ControlPoint application itself, this site is also used to [manage access to individual ControlPoint menus](#).

## Auto-Adding Users to ControlPoint Groups

The **Auto Add Users to ControlPoint Groups** action allows ControlPoint Application Administrators to configure ControlPoint to automatically add SharePoint users to a group within the ControlPoint Configuration site if the users:

- are Site Collection Administrators, and/or
- are members of a site's Owners group, and/or
- have a specified permissions level.

When a ControlPoint group reaches its maximum number of users (which is 1000 by default, although ControlPoint Application Administrators can change this limit), ControlPoint automatically creates a new group with the same permissions as the "base" group.

**EXAMPLE:**

If you want all users who are members of site Owners groups to be added to the ControlPoint Business Administrators group, and more than 1000 users meet that criterion:

- when Business Administrators group membership reaches 1000, a new group named Business Administrators\_1 will be created and the next 1000 users will be added to that group.
- when Business Administrators\_1 group membership reaches 1000, a group named Business Administrators\_2 will be created, and so on.

**NOTE:** You can add a *Claims-authenticated user* to a ControlPoint group; however, you cannot add an actual *Claim*.

## To configure ControlPoint to automatically add SharePoint users to ControlPoint groups:

- 1 From the Manage panel, choose **ControlPoint Configuration > Auto Add Users to ControlPoint Groups**.



- 2 In the Selection panel, click Change Selection and select the objects you want to include in the scope of the action.

**NOTE:** The initial default scope is always blank.

- 3 For **Add users to the chosen group based on:**, select the criteria that you want membership in the ControlPoint group to be based on. Use the information in the following table for guidance.

If you want membership in a ControlPoint group to be based on ...	Then ...
membership in a Site Collection Administrator's group	check <b>Members of Site Collection Administrators</b> .
membership in a site's owner's group	check <b>Members of Owners Group</b> . <b>NOTE</b> ControlPoint considers owners groups to be those that have been designated

If you want membership in a ControlPoint group to be based on ...	Then ...
	"Owners of this Site" in SharePoint; not necessarily only those that have "Owners" in the group name.
a user's permission level (both direct and via SharePoint groups)	<ul style="list-style-type: none"> <li>▪ check <b>Members with the following permission level</b>, and</li> <li>▪ select a permission level from the drop-down.</li> </ul> <p>Note that the drop-down lists all permissions levels that are valid for the selected scope.</p>

Now you can:

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

OR

- schedule the operation to run at a later time or on a recurring basis.

OR

- save the operation as XML Instructions that can be run 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 The ControlPoint Task Audit.

# Making ControlPoint Accessible from within SharePoint

ControlPoint installs three site-level features that enable ControlPoint users to access the ControlPoint application from within a SharePoint site:

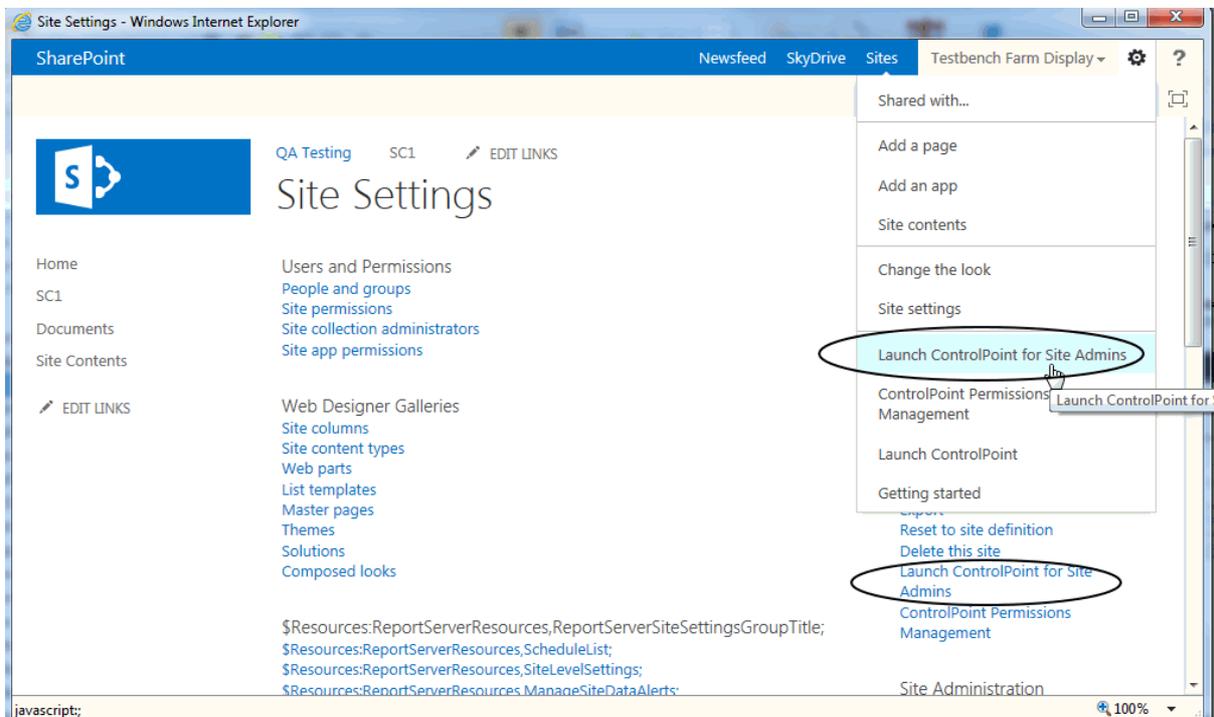
- ControlPoint for Site Admins
- ControlPoint Menus for Site Settings, and
- ControlPoint Permissions Management for Site Admins.

NOTE: Normally, these ControlPoint features will only be visible to users who have Full Control permissions (or any permission level that includes the fine-grained permission ManageWeb) for the site on which they have been activated.

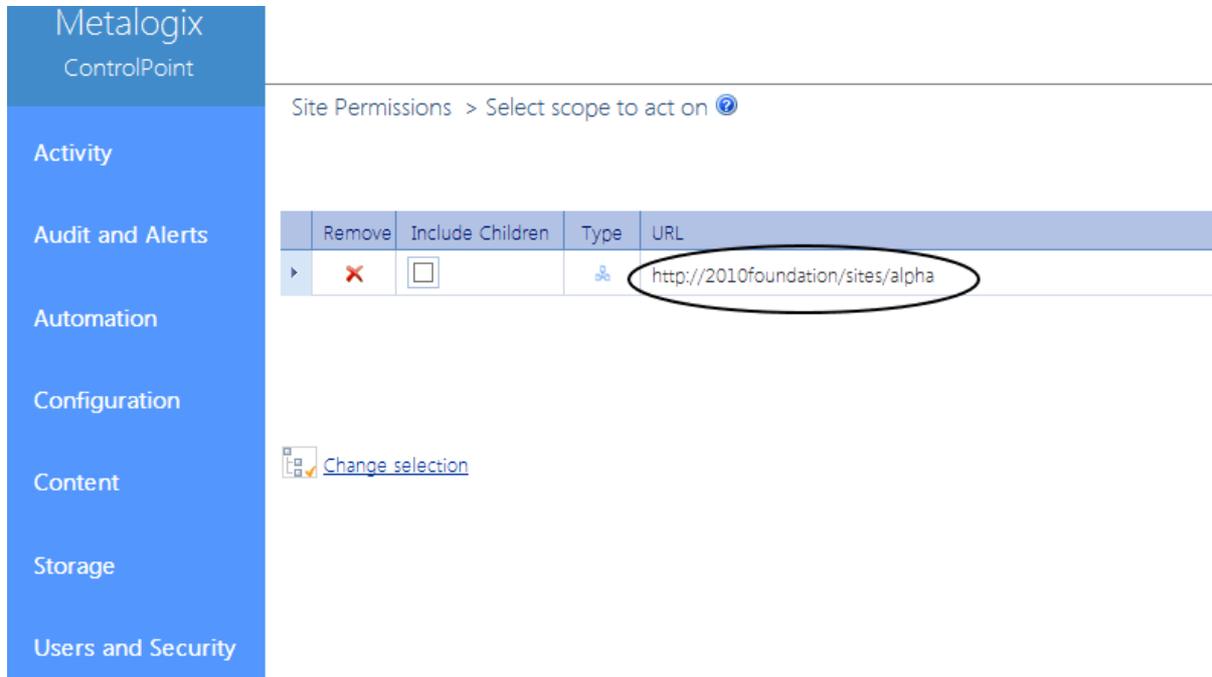
These are *hidden* features which can be activated using the [ControlPoint Manage Site Features action](#).

## ControlPoint for Site Admins

When the **ControlPoint for Site Admins** feature is activated, SharePoint users who are also ControlPoint users can choose **Launch ControlPoint for Site Admins** from the SharePoint Site Actions menu or Site Settings Page.



ControlPoint is launched in a separate browser window, with a simplified left navigation pane and the site from which ControlPoint was launched used as the default scope. (Users can, however, modify the scope to include other sites for which they have management privileges using the procedure for Changing Your Selection.)



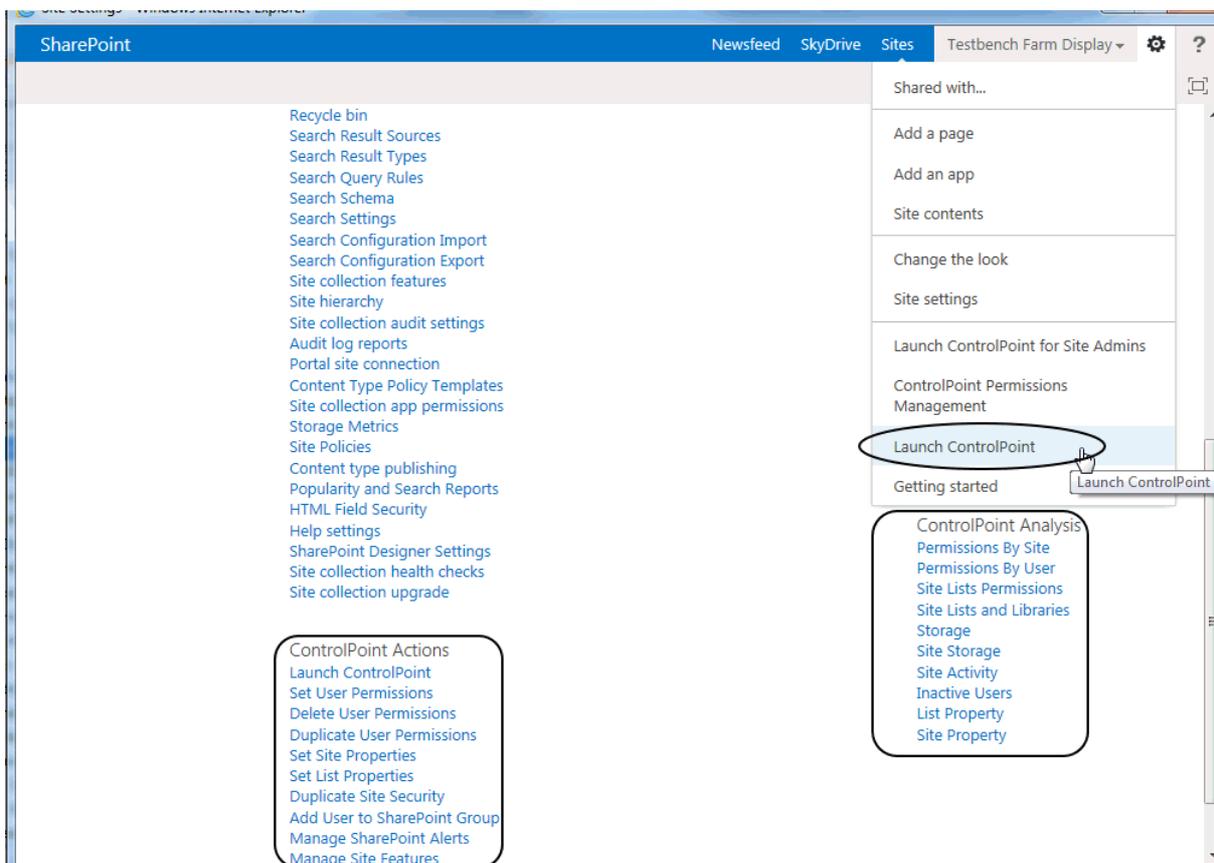
ControlPoint Application Administrators can customize the menu options that display in the left navigation pane using the procedure for [Customizing ControlPoint Menus](#).

## ControlPoint Menus for Site Settings

When the **ControlPoint Menus for Site Settings** feature is activated, the SharePoint Site Settings page includes links to individual ControlPoint actions and analyses. Users can:

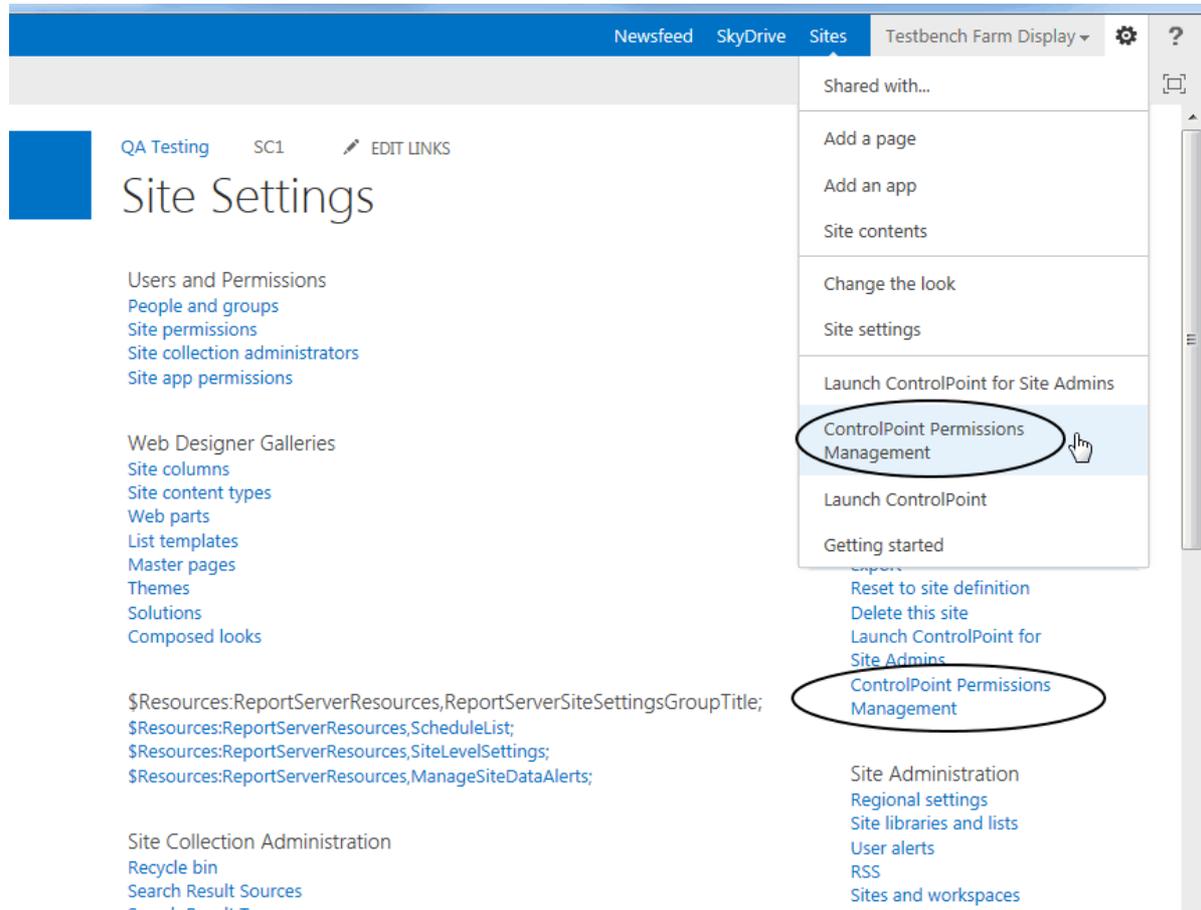
- select one of the **ControlPoint Actions** or a **ControlPoint Analysis** to open ControlPoint in a separate browser window with the same simplified user interface employed by the ControlPoint for Site Admins feature.

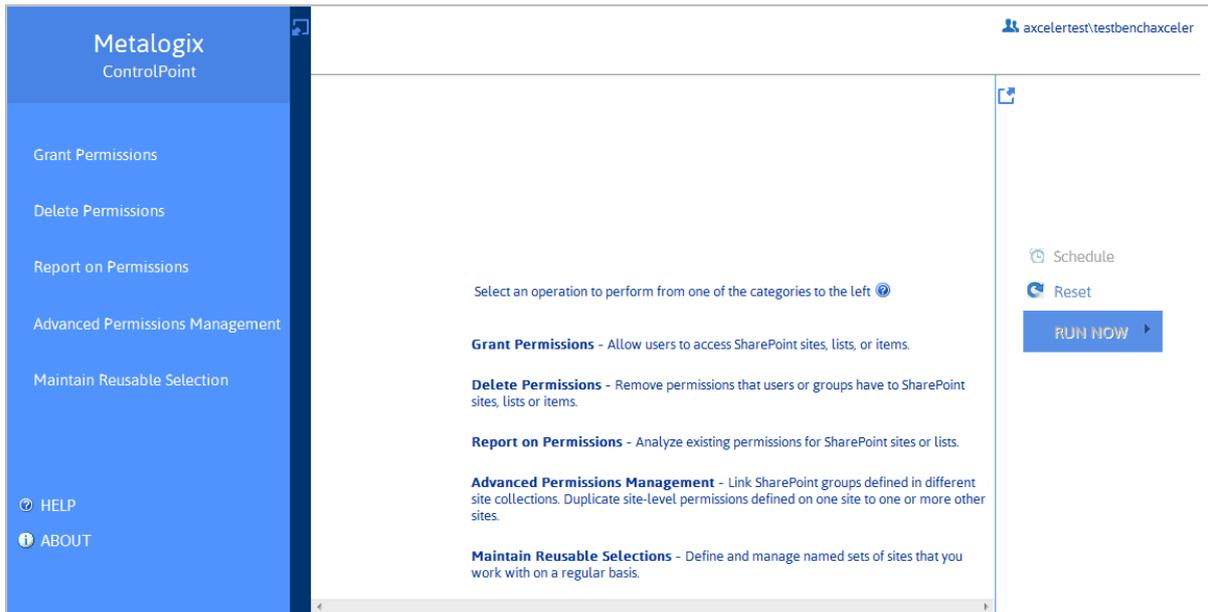
- access the standard ControlPoint interface by choosing **Launch ControlPoint** from the SharePoint Site Actions menu or Site Settings page.



## ControlPoint Permissions Management for Site Admins

When **ControlPoint Permissions Management for Site Admins** is activated, the SharePoint Site Settings page includes links to the a stand-alone, tabbed interface that enables users to perform a variety of ControlPoint permissions actions and analyses outside of the traditional ControlPoint application interface.





Refer to the *ControlPoint Permissions Management for Site Admins User's Guide* for complete details about this feature.

## Activating ControlPoint Site Administration Features

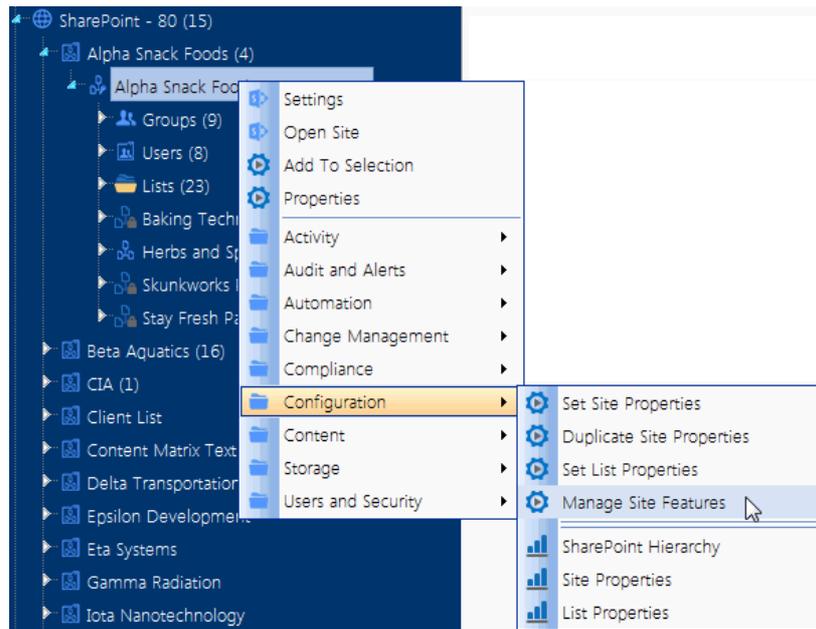
ControlPoint Menus for Site Settings, ControlPoint for Site Admins, and/or Permissions Management for Site Admins features can be activated for some or all sites in the farm via the ControlPoint Manage Site Features action.

NOTE: Because both are hidden features, they cannot be activated via the SharePoint user interface.

### To activate Site Administration Features:

- 1 From the SharePoint Hierarchy, select the object(s) for which you want to activate site administration features.

2 Choose **Configuration > Manage Site Features**.



3 Select **Activate Selected** and click the **Show Hidden** box.

4 Click the **Name** header to sort the list of features alphabetically.

Manage Site Features > Select parameter(s) to act on ⓘ

Activate Selected  Deactivate Selected

Show Hidden  Force activation/deactivation

Name	Description	Hidden
XML Form Libraries	Provides support for XML form libraries for a site.	<input checked="" type="checkbox"/>

5 Select the feature(s) you want to activate:

- ControlPoint for Site Admins, customizable, and/or
- ControlPoint Menus for Site Settings, and/or

- ControlPoint Permissions Management for Site Admins

Name	Description	Hidden
\$Resources:core, GbwFeatureWhereabouts	\$Resources:core, GbwFeatureWhereaboutsDescription;	✓
Announcements Lists	Provides support for announcements lists for a site.	✓
Central Administration Links	Links for the Operations and Application Management pages in the Central Administration site.	✓
Circulation List	This feature provides support for Circulation list types.	✓
Contacts Lists	Provides support for contacts lists for a site.	✓
ControlPoint for Site Admins, customizable	This feature adds a link to a customizable ControlPoint screen for Site Administrators onto the Site Settings page and the Site Actions menu	✓
ControlPoint Menu for Site Settings	This feature installs a number of ControlPoint menus onto the Site Settings page	✓
ControlPoint Permissions Management for Site Admins	This feature adds a link to a customizable ControlPoint Permissions Management screen for Site Administrators onto the Site Settings page and the Site Actions menu	✓
Custom Lists	Provides support for custom lists for a site.	✓
Data Source Libraries	Provides support for data source libraries for a site.	✓
Discussion Lists	Provides support for discussion boards for a site.	✓

6 Click **[Run Now]**.

## Configuring ControlPoint Menus

ControlPoint menus are stored as xml documents in the ControlPoint Menu document library. Included with each ControlPoint installation is a set of "original" menus provided by Quest. By default, the original menus are accessible by anyone with at least read access to the site (by default, all members of the ControlPoint Application Administrators and Administrators groups).

Because ControlPoint Menu is a SharePoint document library, permissions are inherited from the ControlPoint Configuration site collection, but you can break inheritance and edit the permissions for each menu file individually. You can also create customized menus for different users and groups.

### To display the ControlPoint menu list:

- Navigate to the ControlPoint Menu document library using one of the following options:
  - From the ControlPoint Configuration Site home page, choose **Documents**, then **ControlPoint Menu**.
  - From the Manage ControlPoint panel, choose **ControlPoint Configuration > ControlPoint Menu List**.
  - From the ControlPoint Menu Maintenance page, click the **Go to ControlPoint Menu List** link.

Note that there are three versions of each menu, localized for English, French (.fr) and German (.de).

**ControlPoint Configuration Site** Search this site

## ControlPoint Menus

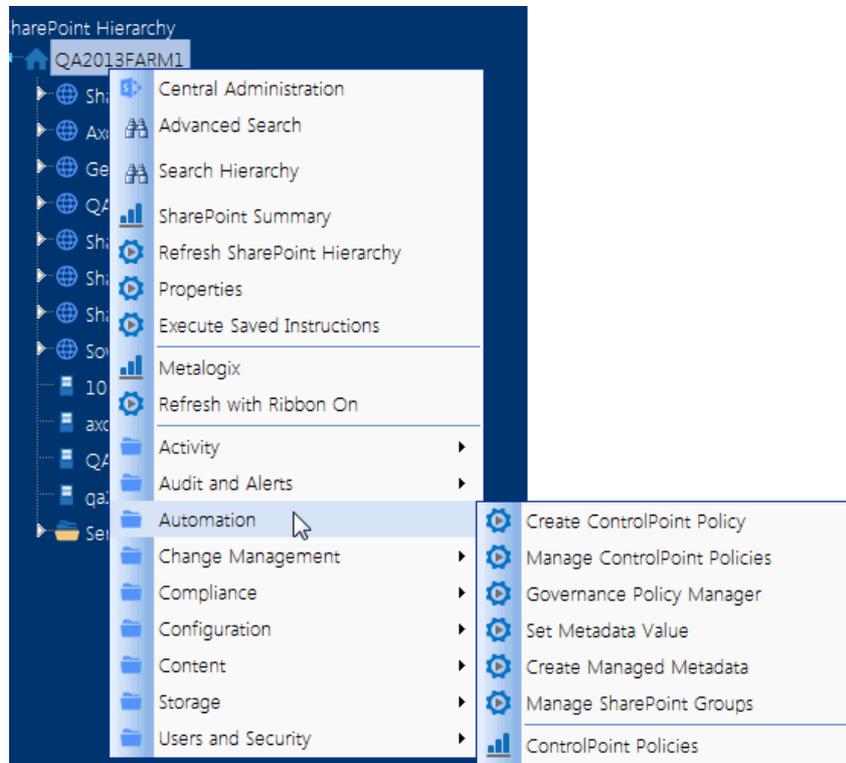
Home	Type	Name	Modified	Modified By
ControlPoint Menus		<a href="#">FARMActions.de</a>	3/20/2015 3:23 AM	<input type="checkbox"/> Testbench Install Display
Farm Statistics		<a href="#">FARMActions.fr</a>	3/20/2015 3:23 AM	<input type="checkbox"/> Testbench Install Display
Web Application Statistics		<a href="#">FARMActions</a>	3/20/2015 3:23 AM	<input type="checkbox"/> Testbench Install Display
Site Collection Statistics		<a href="#">LISTActions.de</a>	3/20/2015 3:24 AM	<input type="checkbox"/> Testbench Install Display
Custom Properties		<a href="#">LISTActions.fr</a>	3/20/2015 3:24 AM	<input type="checkbox"/> Testbench Install Display
ControlPoint Settings		<a href="#">LISTActions</a>	3/20/2015 3:24 AM	<input type="checkbox"/> Testbench Install Display
Site Contents		<a href="#">ManageCP.de</a>	3/20/2015 3:24 AM	<input type="checkbox"/> Testbench Install Display
		<a href="#">ManageCP.fr</a>	3/20/2015 3:24 AM	<input type="checkbox"/> Testbench Install Display
		<a href="#">ManageCP</a>	3/20/2015 3:24 AM	<input type="checkbox"/> Testbench Install Display
		<a href="#">SITEActions.de</a>	3/20/2015 3:23 AM	<input type="checkbox"/> Testbench Install Display
		<a href="#">SITEActions.fr</a>	3/20/2015 3:23 AM	<input type="checkbox"/> Testbench Install Display
		<a href="#">SITEActions</a>	3/20/2015 3:23 AM	<input type="checkbox"/> Testbench Install Display
		<a href="#">SiteAdminActions.de</a>	3/20/2015 3:24 AM	<input type="checkbox"/> Testbench Install Display
		<a href="#">SiteAdminActions.fr</a>	3/20/2015 3:24 AM	<input type="checkbox"/> Testbench Install Display
		<a href="#">SiteAdminActions</a>	3/20/2015 3:24 AM	<input type="checkbox"/> Testbench Install Display
		<a href="#">Tools.de</a>	3/20/2015 3:24 AM	<input type="checkbox"/> Testbench Install Display
		<a href="#">Tools.fr</a>	3/20/2015 3:24 AM	<input type="checkbox"/> Testbench Install Display
		<a href="#">Tools</a>	3/20/2015 3:24 AM	<input type="checkbox"/> Testbench Install Display
		<a href="#">USERActions.de</a>	3/20/2015 3:23 AM	<input type="checkbox"/> Testbench Install Display
		<a href="#">USERActions.fr</a>	3/20/2015 3:24 AM	<input type="checkbox"/> Testbench Install Display
		<a href="#">USERActions</a>	3/20/2015 3:23 AM	<input type="checkbox"/> Testbench Install Display
		<a href="#">WAPActions.de</a>	3/20/2015 3:23 AM	<input type="checkbox"/> Testbench Install Display
		<a href="#">WAPActions.fr</a>	3/20/2015 3:23 AM	<input type="checkbox"/> Testbench Install Display
		<a href="#">WAPActions</a>	3/20/2015 3:23 AM	<input type="checkbox"/> Testbench Install Display
		<a href="#">WEBActions.de</a>	3/20/2015 3:23 AM	<input type="checkbox"/> Testbench Install Display

NOTE: Original menus are *not* designed to be modified and any changes to original menus will be overwritten whenever a ControlPoint repair or update installation is performed. If you want to add items to a menu, you can do so by first creating a custom version of the menu. If you want to remove items, it is best to selectively restrict permissions to the original menu files and create custom menu files that include the appropriate items. See Guidelines for Creating Customized Menus for Different Groups of Users.

Original menus contain all of the available items at various levels of the left navigation pane, as illustrated below.

## FARMActions

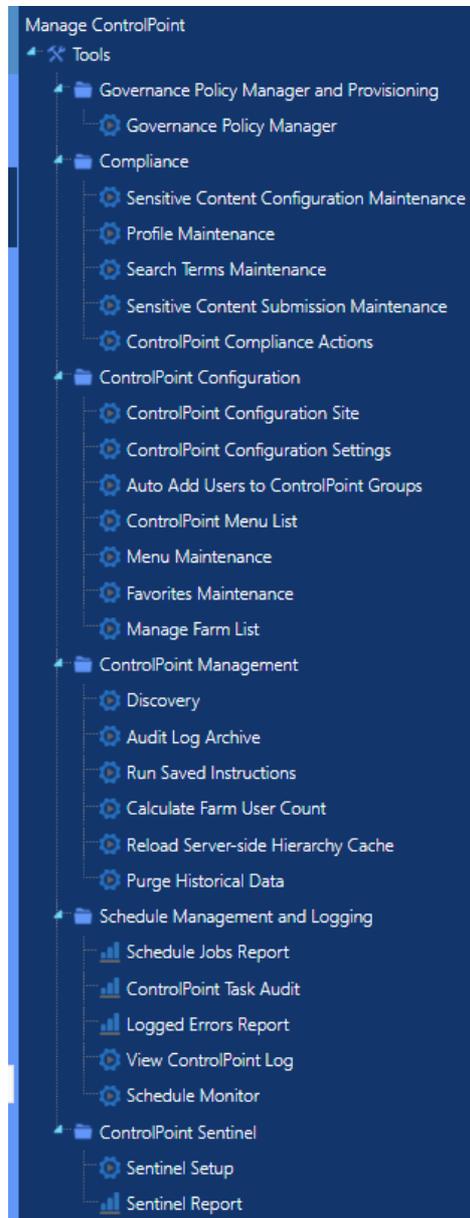
This menu contains all of the available items at the farm level



See also Farm-Level Default Menu Items in the *ControlPoint User's Guide*.

## LISTActions

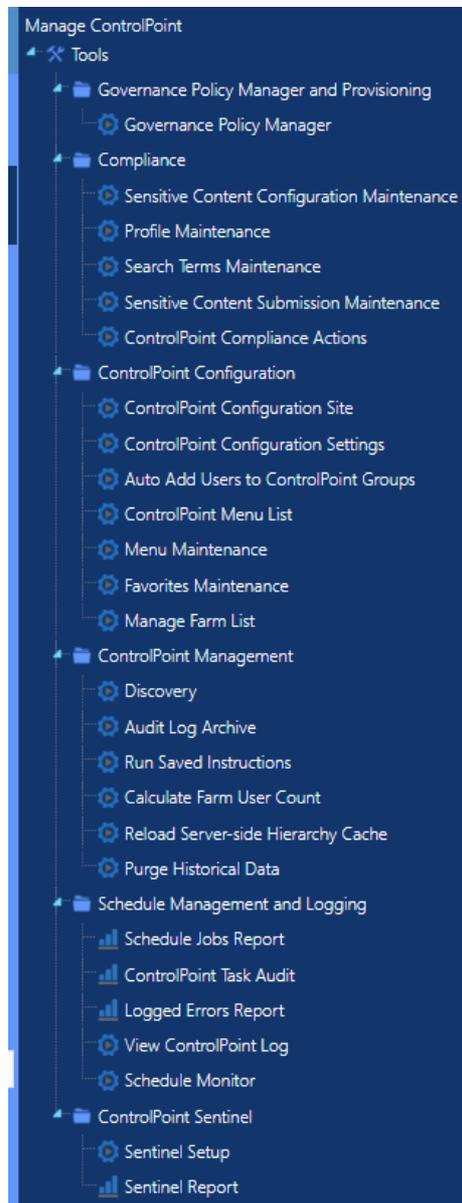
This menu contains all of the available items at the list level.



See also List-Level Default Menu Items in the *ControlPoint User's Guide*.

## ManageCP

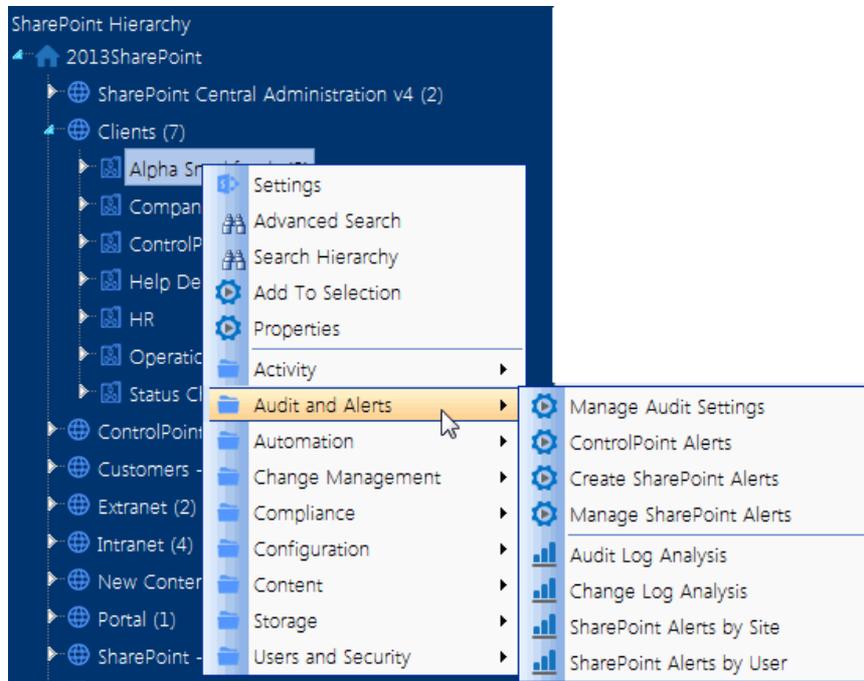
This menu contains all of the available items for managing the ControlPoint application as well as other hierarchy-independent functionality.



See also Manage ControlPoint Default Menu Items in the *ControlPoint User's Guide*.

## SITEActions

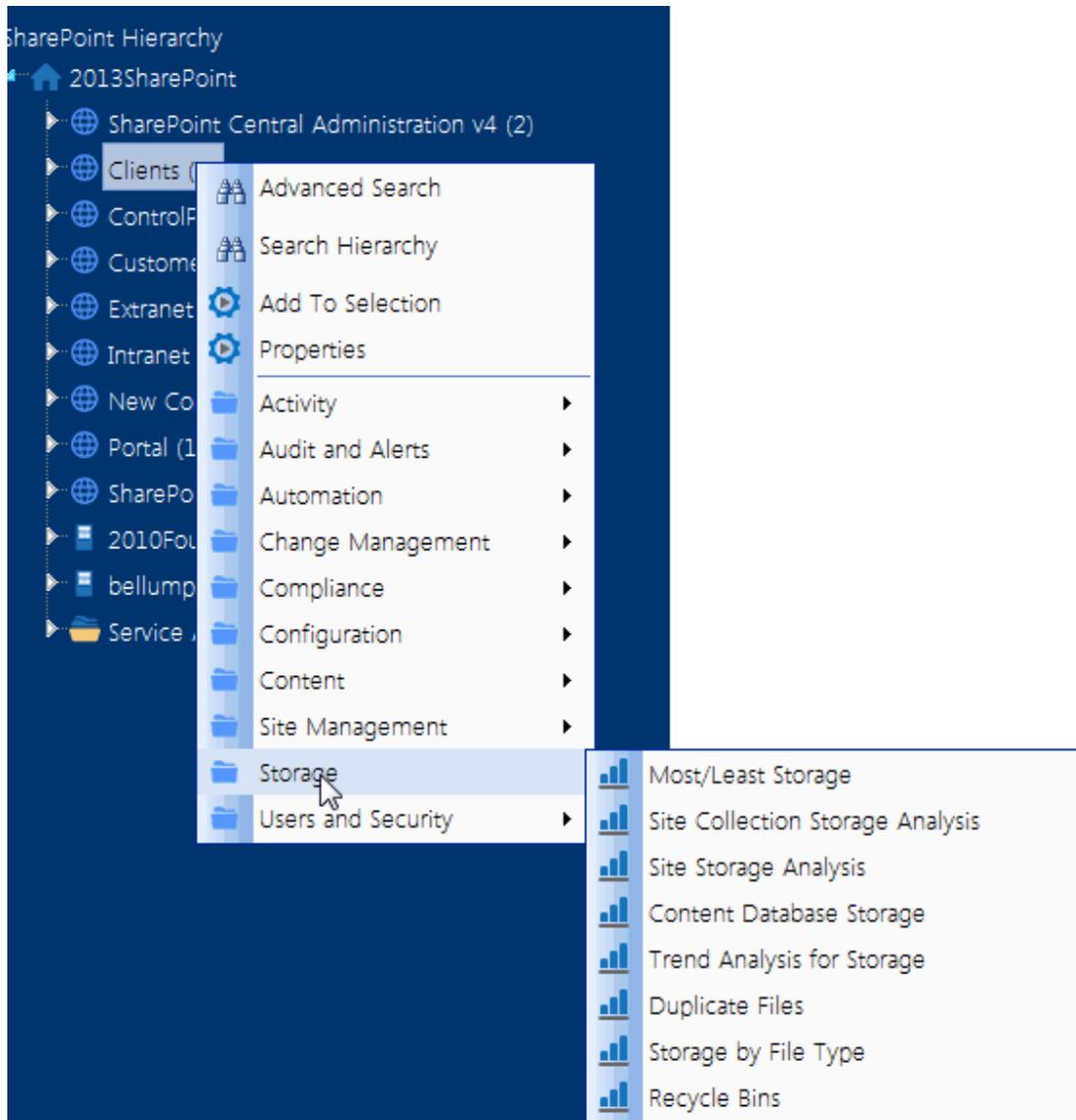
This menu contains all of the available items at the site collection level.



See also Site Collection-Level Default Menu Items in the *ControlPoint User Guide*.

## WAPActions

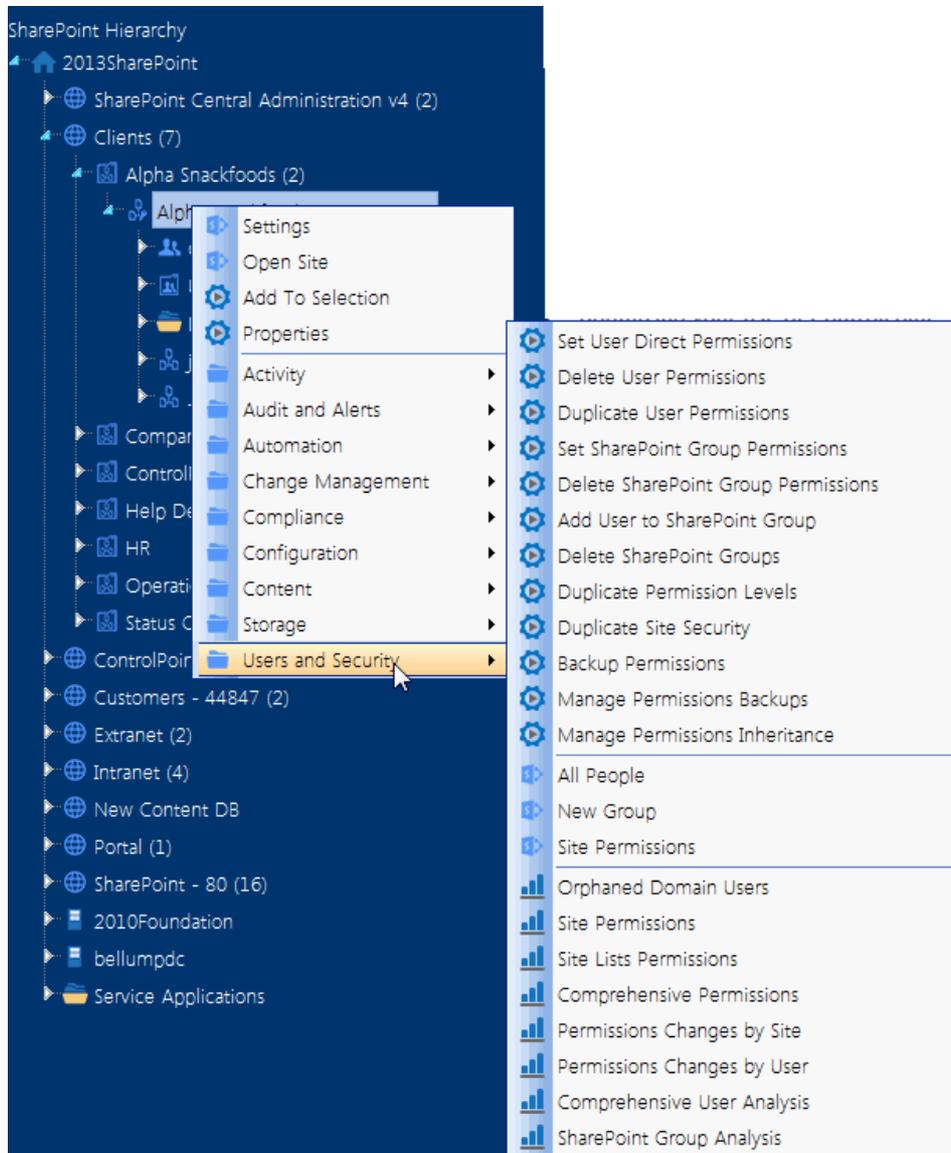
This menu contains all of the available items at the Web application level.



See also Web Application-Level Default Menu Items in the *ControlPoint User's Guide*.

## WEBActions

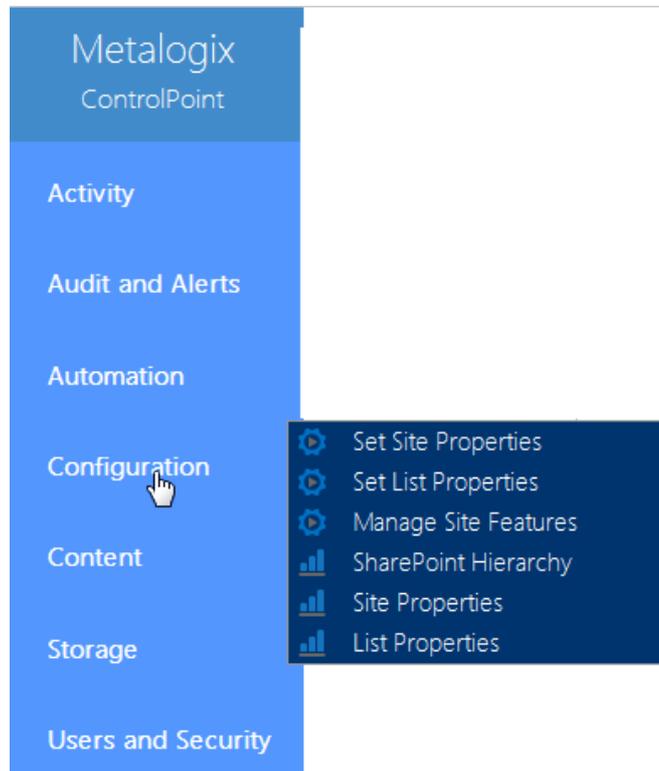
This menu contains all of the available items at the site level.



See also Site-Level Default Menu Items in the *ControlPoint User's Guide*.

## SiteAdminActions

This menu contains all of the items that display in the Actions and Analysis panel of the left navigation pane when a ControlPoint operation is initiated—or ControlPoint For Site Admins is launched—from within a SharePoint site.

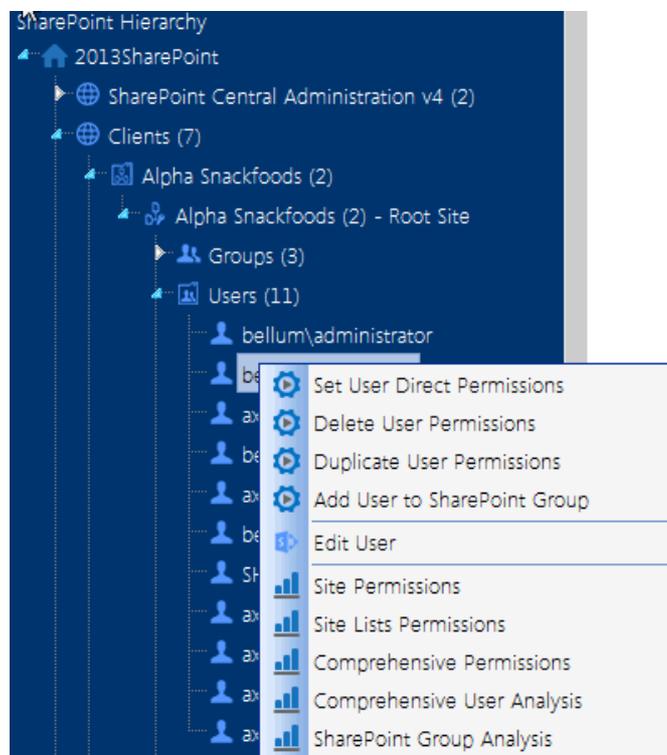


NOTE: For ControlPoint to be accessible from within a SharePoint site, ControlPoint Menus for Site Settings and/or ControlPoint for Site Admins must be activated, using the procedure(s) for [Making ControlPoint Accessible from within SharePoint](#).

See also Site Admin Default Menu Items in the *Quest Metalogix ControlPoint User's Guide*.

## UserACTIONS

This menu contains all of the right-click items at the user level.



See also User-Level Default Menu Items in the *ControlPoint User's Guide*.

## Customizing ControlPoint Menus

From the ControlPoint Menu Maintenance page, ControlPoint Application Administrators can create custom menus to meet specific needs of different administrative groups.

NOTE: ControlPoint's base menu *structure* (SharePoint Hierarchy, Manage ControlPoint, Favorites, and Search Hierarchy panels) cannot be modified.

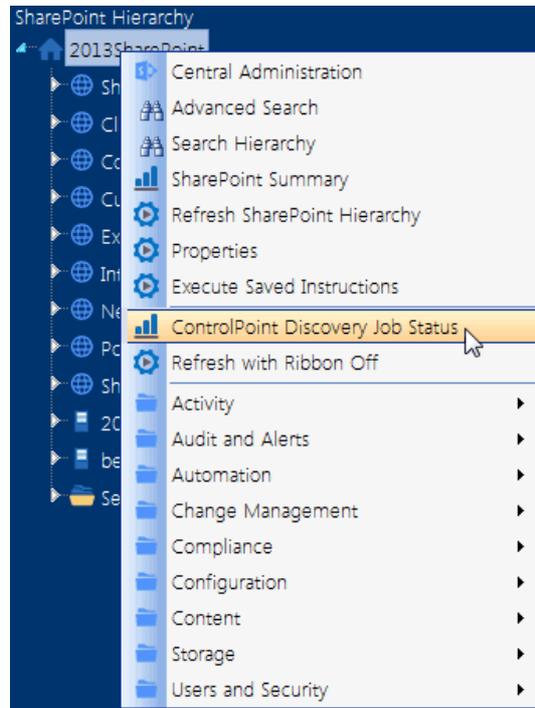
## Guidelines for Creating Customized Menus for Different Groups of Users

If there are groups of ControlPoint users that should have similar rights to SharePoint and ControlPoint functions, the ControlPoint Application Administrator should first define groups for these users from within the ControlPoint Configuration site. See [Setting Up ControlPoint Users and Groups](#).

When setting up users and groups and granting access to the ControlPoint application, ControlPoint Application Administrators should consider the roles of various groups of users in the organization to determine the features to which they should have access.

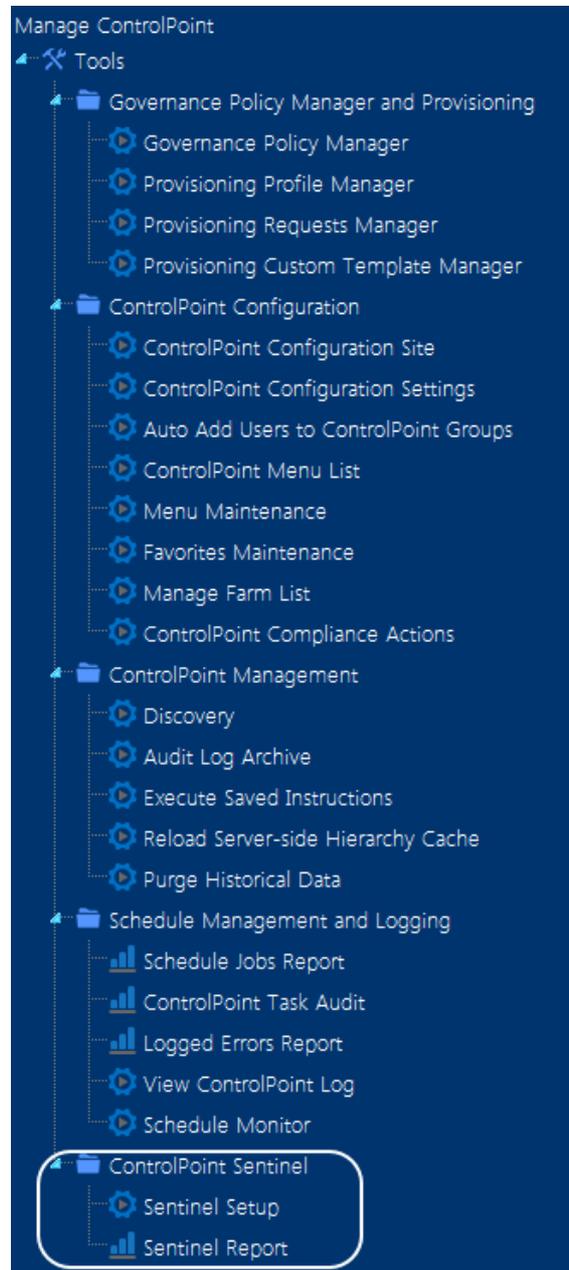
## Example 1: Adding Frequently-Used Items to a ControlPoint Menu

If there is a SharePoint function that is used often by administrators in your organization, you can add that item to a custom menu. For example, if you frequently need to check a timer job status, you can add an item to a farm-level custom menu which links directly to the appropriate Central Administration page.

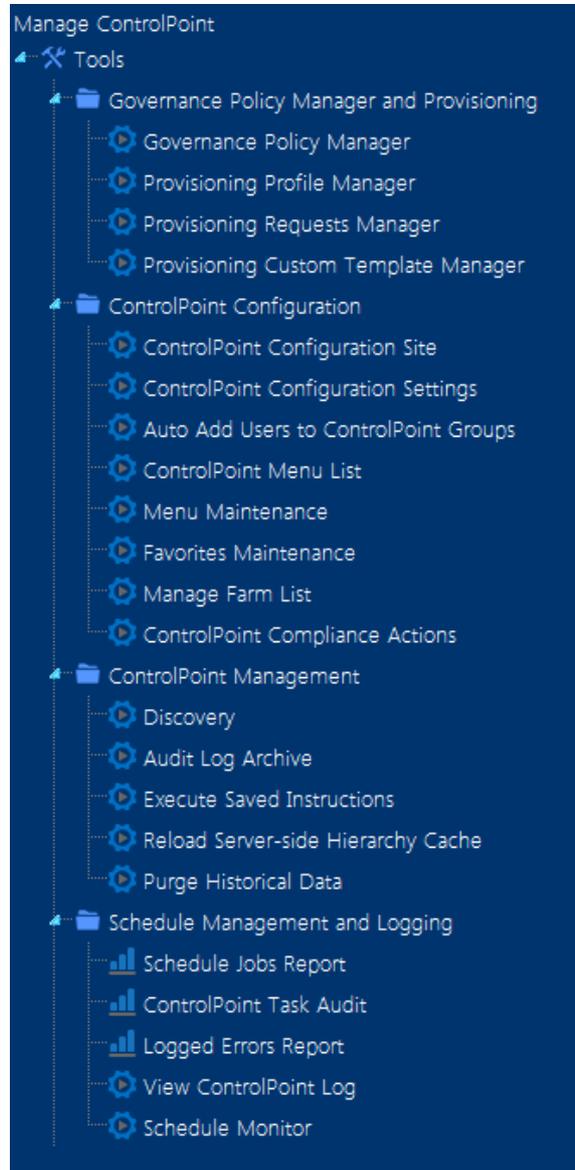


## Example 2: Restricting Access to Advanced Functionality

The items for managing Sensitive Content and Anomalous Activity Detection are on the original" Manage ControlPoint menu provided by Quest (that is, ManageCP.xml). In the left navigation pane, these items display in the Manage ControlPoint panel.



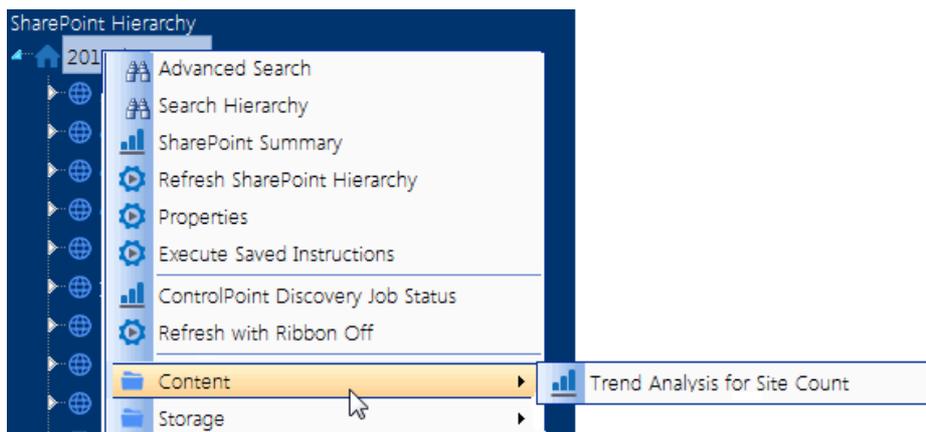
If you do not want the majority of administrators to have access to ControlPoint Sentinel functionality for anomalous activity detection,, you may want to create a customized Manage ControlPoint menu from which these privileges have been removed, and then restrict their access to the original ControlPoint-ManageCP menu.



You could then use this menu as the "default" menu on which additional customized menus are based.

### Example 3: Groups with Access to a Subset of Features

If there is a group of users in your organization primarily responsible for monitoring storage utilization, you may want to create a group for these users. You can then create a customized ControlPoint menu that contains only items they need (in this example, SharePoint Summary Report, Storage Analysis tools, and Trend Analysis), while eliminating items that they might not need (such as Activity Analysis tools and additional Content Analysis tools) and/or should not have access to (such as tools for managing Configuration and Users and Security), by restricting their access to the original ControlPoint menu files.



You can also customize menus in this manner for the Business Administrators group if you want to "override" the security trimming imposed by ControlPoint original menus. (That is, you can create menus that give Business Users either more or less functionality than is provided by default.)

### Additional Factors to Consider

By default, all custom menus inherit users and permissions from the ControlPoint Menus document library, which in turn inherits from the ControlPoint Configuration site collection. However, you can break this inheritance and assign unique permissions to individual menu files (that is, to restrict access to the original menus).

Additionally, if a user has permissions for more than one menu with the same target location (for example SharePoint Hierarchy- farm level), the menus are "merged" for display in the left navigation pane, with items unique to each menu preserved and duplicate items eliminated.

You should keep these factors in mind when planning and deploying customized menu. Use the information in the following table for guidance with some common scenarios.

If you want to ...	Then ...
include one or more additional items to which all users should have access	<ul style="list-style-type: none"> <li>• Create a custom menu file at the appropriate level.</li> <li>• Add the item(s).</li> </ul>

If you want to ...	Then ...
	<ul style="list-style-type: none"> <li>• Ensure that all users have read access to the menu file.</li> </ul>
restrict access by any group to either a ControlPoint original menu or a custom menu	<ul style="list-style-type: none"> <li>• Break the inheritance of the appropriate menu file(s) from the permissions of the ControlPoint site collection.</li> <li>• Remove the group's permissions to the file(s).</li> </ul>
create a custom menu to which only some users should have access	<ul style="list-style-type: none"> <li>• Create a custom menu file.</li> <li>• Set unique permissions for that file so that only certain users/groups have read access.</li> </ul>

## Accessing the ControlPoint Menu Maintenance Page

### To access the Menu Maintenance page:

From the Manage ControlPoint tree, choose **ControlPoint Configuration > Menu Maintenance**.

The screenshot shows the Metalogix ControlPoint interface. On the left, the navigation pane is open to 'Manage ControlPoint' > 'ControlPoint Configuration' > 'Menu Maintenance'. The main area is titled 'Menu Maintenance' and contains a table for 'Custom Menus' with columns: Menu Name, Menu Description, and Target Menu. Below the table, there is a message: 'There are no menus to display. Select Create new Menu to add a menu'. At the bottom of the page, there are two empty boxes for menu items, with 'Add >' and '< Remove' buttons between them, and a 'Clear All' link on the right.

Note that, if custom menus have already been created, they will display in the **Saved Menus** grid.

Menu Name	Menu Description	Target Menu	Edit	Delete
FarmTrimmed.xml	Subset of FarmActions	FARMActions		
Site Activity.xml	Site Activity Folder ONLY	WEBActions		

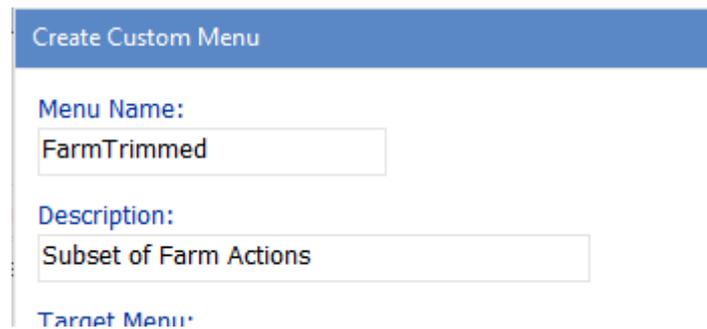
## Creating a Custom Menu

### To create a custom menu:

- 1 At the top of the Menu Maintenance page, click **Create Custom Menu**.



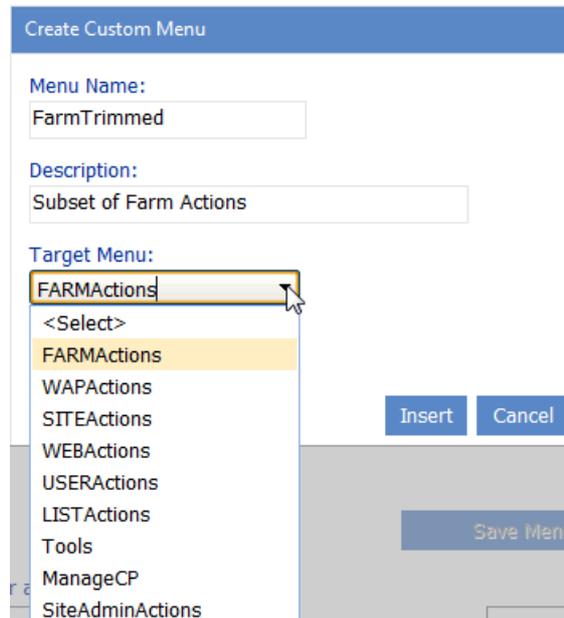
- 2 Complete the **Menu Details** with a **Menu Name** and **Description**.



The screenshot shows the 'Create Custom Menu' form. It has a blue header with the text 'Create Custom Menu'. Below the header, there are three input fields: 'Menu Name' with the value 'FarmTrimmed', 'Description' with the value 'Subset of Farm Actions', and 'Target Menu' which is currently empty.

Note that the Menu Name cannot contain spaces or special characters.

- 3 Select a **Target Menu** (that is the area of the ControlPoint left navigation pane that you want to customize). Use the information in the following table for guidance.



NOTE: The choice of target menu will determine which ControlPoint operations are available for selection and where they will display in the ControlPoint application interface.

If you want to customize the ....	Select ....
farm level right-click menu	<b>FARMActions.</b>
Web application level right-click menu	<b>WAPActions.</b>
site collection level right-click menu	<b>SITEActions.</b>
site or subsite level right-click menu	<b>WEBActions.</b>
list level right-click menu	<b>ListActions.</b>
Actions and Analysis menu items (if used as an alternative to the Manage ControlPoint panel)	<b>Tools.</b>
site admin menu (primarily for use by business administrators who are accessing ControlPoint from within a SharePoint site)	<b>SiteAdminActions.</b>
user-level right-click menu	<b>USERActions.</b>
Manage ControlPoint menu items	<b>ManageCP.</b>

**IMPORTANT:** Once you have saved a new menu, the Target Menu cannot be changed.

- 4 Click **[Update]**.

## To add ControlPoint menu items to a custom menu:

NOTE: If you want to add links to SharePoint pages or custom items that do not currently exist in a ControlPoint menu (such as internal or external web sites or web-based applications), follow the procedure for [Adding and Updating Custom Items in a Menu](#).

- 1 From the **Copy From** drop-down, select the menu from which you want to copy items.  
Note that this drop-down includes both the "original" menu provided by Quest and any custom menus that have been created for that target.

The screenshot shows the 'Copy From' dropdown menu with options: <Select File>, FARMActions.fr.xml, FarmTrimmed, FARMActions.xml (highlighted), and FARMActions.de.xml. Below this, the 'Copy From' dropdown is set to 'FARMActions.xml'. The interface includes buttons for 'Save Menu', 'Edit Custom Item', and 'Add Custom Item'. A note states: 'Control-click to select multiple items from the left side. Right-click for additional options.' The main interface shows a list of items under 'FARMActions.xml' on the left and a 'Farm Custom - Custom Farm' menu on the right. Between them are 'Select & Drag' arrows, an 'Add >' button, and a '< Remove' button.

- 2 In the list that displays in the left column, select each item that you want to add. Use the information in the following table for guidance.

If you want to ...	Then ...
select multiple items individually	hold down the [Ctrl] or [Shift] key and highlight each item you want to add.
immediately add an item and all of its children to the Selected Items column	highlight the item, then right-click and choose <b>Add Item and All Children</b> .
select an item and its immediate children (for example, a site collection and its root site only)	highlight the item, then right-click and choose <b>Highlight Immediate Children</b> . (If objects are grouped into a folder, you must first expand the folder.)

If you want to ...	Then ...
	TIP: You can use this option as a time-saver if you want to add most, but not all of the selected child items. After highlighting the item you can then individually <i>de-select</i> those that you want to exclude.

- 3 To add the highlighted item(s) to the selection list, either:
  - drag and drop the item(s) onto the item below which you want to nest it.
 OR
  - highlight the item below which you want to nest the new item(s) then click the **[Add]** button.

### To change the placement of items:

- 1 If you want to move multiple items at once, hold down the **[Ctrl]** or **[Shift]** key and highlight each item you want to move.
- 2 Drag and drop the item(s) onto the item below which you want to nest it.

### To remove items:

- 1 In the right pane, highlight the item(s) you want to remove. (To select multiple items, hold down the **[Ctrl]** or **[Shift]** key.
  - 2 Do one of the following:
  - 3 drag and drop the item(s) to the left pane.
- OR
- click the **[Remove]** button.
  - To remove all items in the right pane, click the **Clear All** link.

### To save the custom menu:

When you have finished adding items to the menu, click **[Save Menu]**.

**IMPORTANT:** If you do *not* click **[Save Menu]** and receive a confirmation dialog, any changes you made will be lost when you navigate away from the page.

Now you can [manage access to the customized menu](#).

## Adding and Editing Custom Items in a Menu

From the ControlPoint Menu Maintenance or Favorites Maintenance page you can add and update custom items, such as frequently-accessed SharePoint pages, internal or external Web sites, or web-based applications, to a menu.

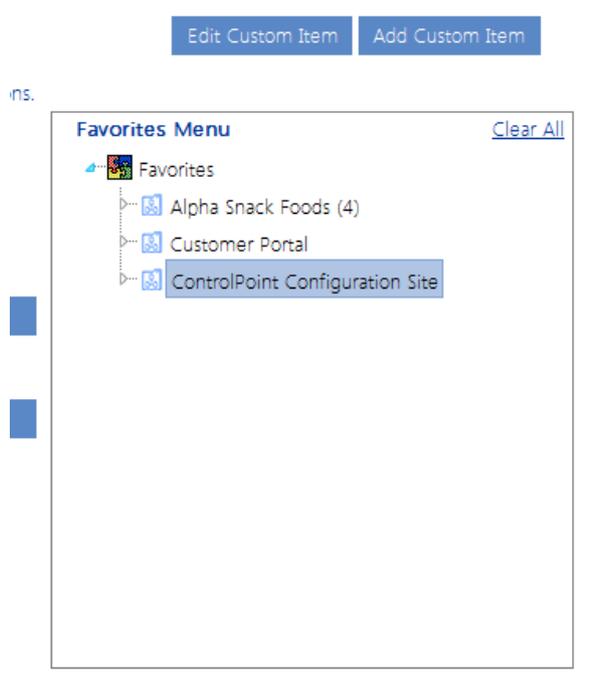
The procedure for adding an item to a ControlPoint menu is used by:

- ControlPoint Application Administrators who want to add custom items to a custom menu—via the Menu Maintenance page, and
- any administrator who wants to add custom items to his/her Favorites list—[via the Favorites Maintenance page](#).

NOTE: The procedure below uses Favorites menu maintenance for illustration purposes. However, the procedural steps for ControlPoint application menu maintenance are identical.

### To add custom item to a menu:

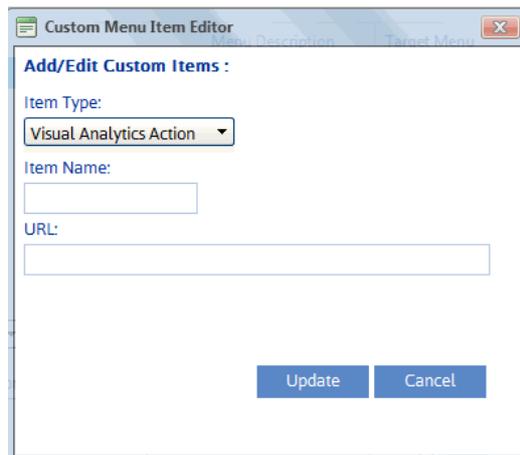
- 1 Highlight the item *below which* you want to place the new item.



NOTE: Custom *actions* can be placed below the top node of the menu or below a folder. Custom *folders* can be placed below the top node of the menu only.

- 2 Click **[Add Custom Item]**.

- From the **Item Type** drop-down, select the option that best characterizes your custom item.



Custom Menu Item Editor

**Add/Edit Custom Items :**

Item Type:  
Visual Analytics Action

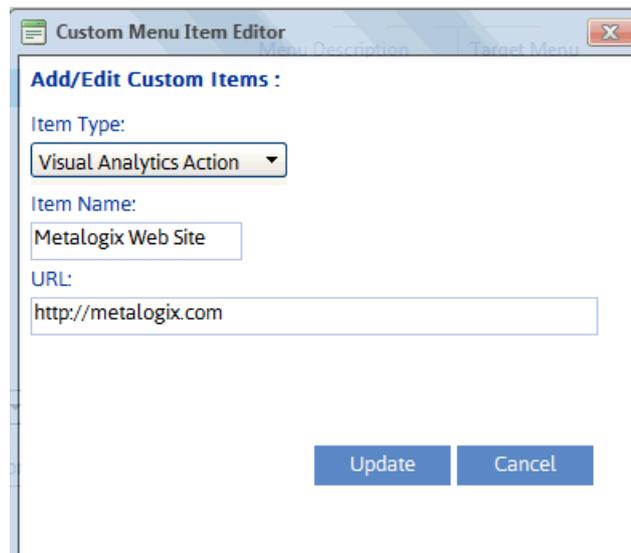
Item Name:

URL:

Update Cancel

**CAUTION:** Once a custom item has been saved the Item Type cannot be changed.

- Enter the **Item Name** and, unless the item is a folder, the **URL**.



Custom Menu Item Editor

**Add/Edit Custom Items :**

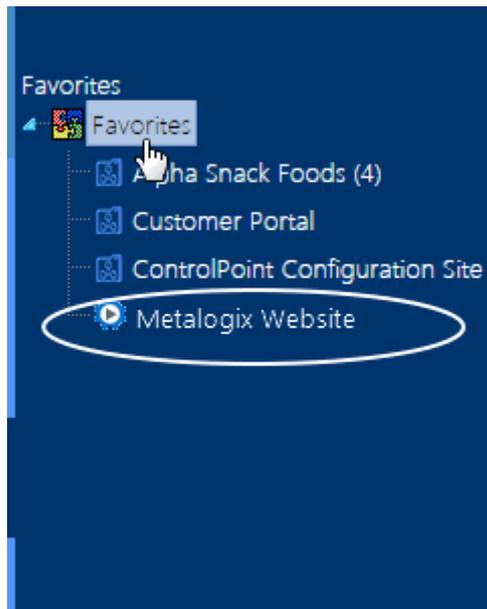
Item Type:  
Visual Analytics Action

Item Name:  
Metalogix Web Site

URL:  
http://metalogix.com

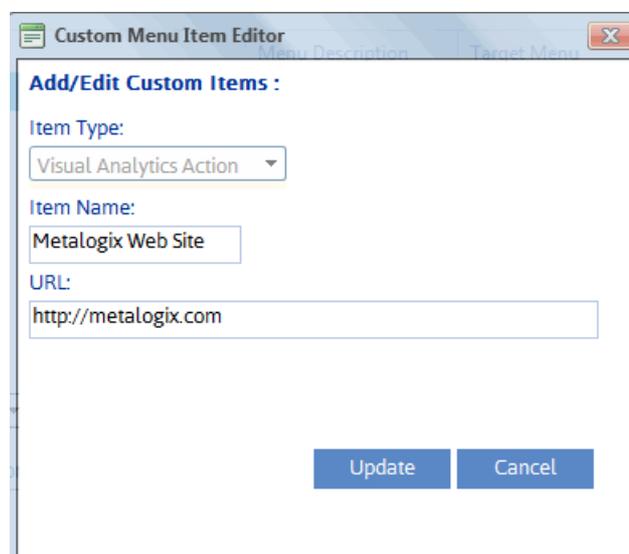
Update Cancel

- 5 Click **[Update]**.



## To edit an existing custom item:

- 1 Highlight the item you want to edit.
- 2 Click **[Edit Custom Item]**.
- 3 Modify the **Item Name** and/or **URL** as appropriate.



NOTE: For existing items, the **Item Type** drop-down is disabled.

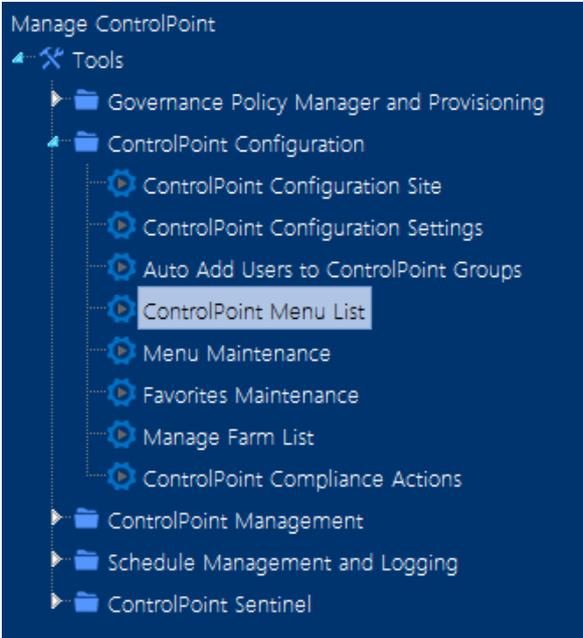
- 4 Click **[Update]**

# Managing Access to ControlPoint Menus

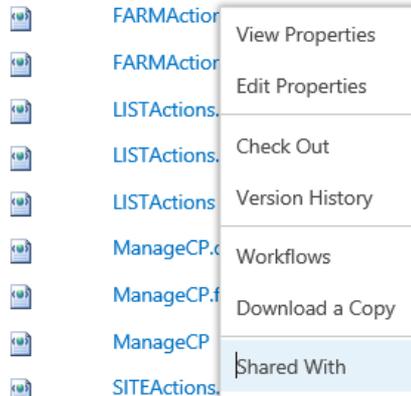
From the ControlPoint Configuration Site, ControlPoint Application Administrators can manage access to ControlPoint menus (that is, determine which menus will be visible to specific administrators or groups of administrators).

## To access the ControlPoint Configuration Site Menu List:

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

If you are starting from ...	Then ...
the left navigation pane	<p>from the Manage ControlPoint panel, choose <b>ControlPoint Configuration &gt; ControlPoint Menu List</b>.</p> 
within the ControlPoint Configuration site	navigate to the Axceler Menus document library.
the ControlPoint Menu Maintenance page	<p>click the <b>Go to the ControlPoint Menu List</b> link</p> 

Remember that, by default, all menus inherit users and permissions from the menu document library, which in turn inherits from the ControlPoint Configuration site collection. However, you can assign unique permissions to individual menus. Consult your SharePoint documentation for details on managing user permissions.



**REMINDER:** If an administrator has permissions for more than one menu with the same target location (for example SharePoint Hierarchy menu - farm level), the menus are "merged" for display in the left navigation pane, with items unique to each menu preserved and duplicate items eliminated. Remember to restrict access to any menus (including Quest-provided original menus) that contain items that you do *not* want certain users/groups to see.

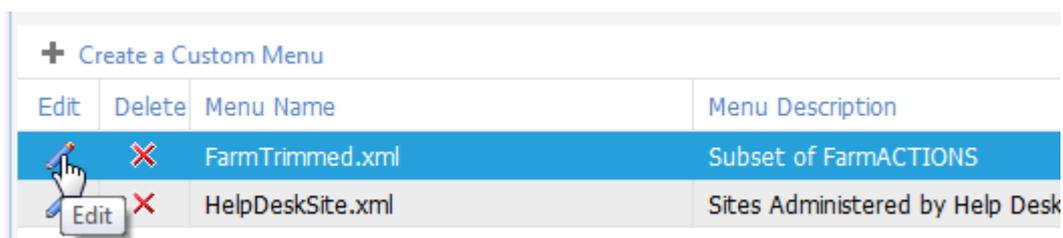
## Editing and Deleting Custom Menus

Once a custom menu has been created you can:

- change the menu's Name and/or Description
- modify the contents of the menu
- edit custom items
- delete the menu from ControlPoint.

### To change a menu's Name and or Description:

- 1 In the grid at the top of the [Menu Maintenance page](#), click the Edit link (  ) to the left of the custom menu whose name and/or description you want to change.



- 2 Update the **Menu Name** and/or **Description**, as necessary.

Edit Menu: FarmTrimmed

Menu Name:

Description:

Target Menu:

REMINDERS:

- The **Menu Name** cannot contain spaces or special characters.
- The **Target Menu** cannot be changed.

- 3 Click **[Update]**.

## To modify the contents of a custom menu:

- 1 In the grid at the top of the [Menu Maintenance page](#), highlight the menu whose contents you want to modify.
- 2 Add and remove items as needed, as described in the topic [Creating a Custom Menu](#).

## To edit a custom item in a menu:

- 1 From the selected items list, highlight the custom item that you want to edit.
- 2 Click **[Edit Custom Item]**.
- 3 Update the **Item Name** and/or **URL** as described in the topic [Adding Custom Items in a Menu](#).

NOTE: The **Item Type** cannot be changed.

## Adding Advanced ControlPoint Menu Items

Because they serve a very specialized purpose, the following menu items are not included on any of the Axceler Menus:

- Manage Forest Access, and
- Archive Audit Logs.

It is recommended that the ControlPoint Application Administrator create a custom Tools menu that contains one or both of these items *only*, then limit permissions to specific ControlPoint users or groups. Remember, customized menus are merged with any other ManageCP menu(s) for which ControlPoint users have permissions.

## To create a custom menu with advanced menu items:

- 1 From the Menu Maintenance page, click **Create a Menu**.

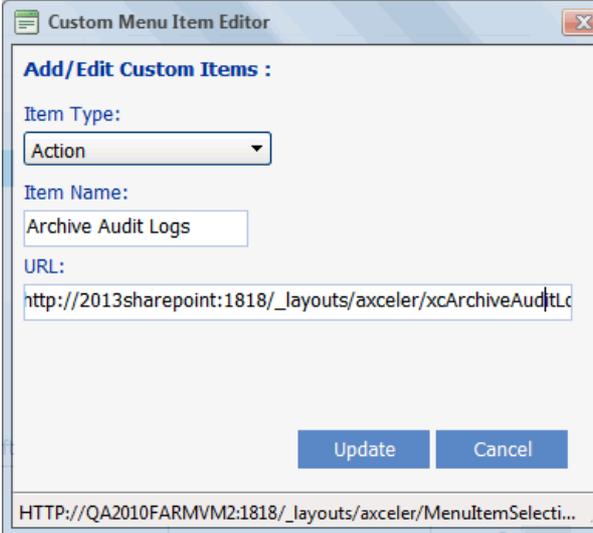
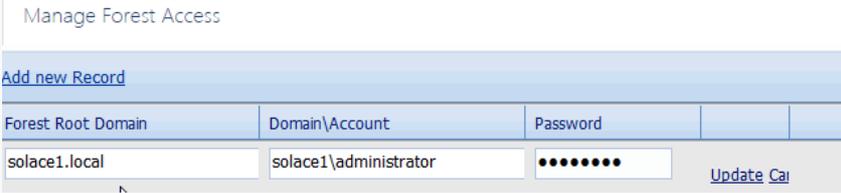


- 2 Enter a **Menu Name** and **Description** of your choosing, then from the **Target Menu** drop-down, select **ManageCP**.

The screenshot shows the 'Create Custom Menu' dialog box. It has three input fields: 'Menu Name' with the value 'Advanced Tools', 'Description' with the value 'Manage Forest Access and Archive Audit Logs', and 'Target Menu' with a dropdown menu showing 'ManageCP'. At the bottom right, there are 'Insert' and 'Cancel' buttons.

- 3 Click **[Insert]**.
- 4 Add either or both advanced menu items using the procedure for [Adding and Editing Custom Items in a Menu](#). Use the information in the following table for guidance.

For ...	Complete the Add/Edit Custom Items section as follows...
Archive Audit Logs	<ul style="list-style-type: none"> <li>• For Item Name, enter Archive Audit Logs.</li> <li>• For <b>URL</b>, enter the following string:  <code>http://&lt;machine_name&gt;:&lt;portnumber&gt;/_layouts/Axceler/xcArchiveAuditLogs.aspx</code> </li> </ul>

For ...	Complete the Add/Edit Custom Items section as follows...
	
Manage Forest Access	<ul style="list-style-type: none"> <li>• For <b>Item Name</b>, enter <b>Manage Forest Access</b>.</li> <li>• For <b>URL</b>, enter the following string:  <code>http://&lt;machine_name&gt;:&lt;portnumber&gt;/_layouts/Axceler/xcForestAccess.aspx</code> </li> </ul>  <ul style="list-style-type: none"> <li>• Click [<b>Add Child</b>].</li> </ul>

NOTE: *<machine\_name>* refers to the name of the machine on which ControlPoint was initially installed; it may also refer to a host header or load balancer name, if supported in your environment. *<portnumber>* refers to the port used by the ControlPoint application (1818 is the ControlPoint default).

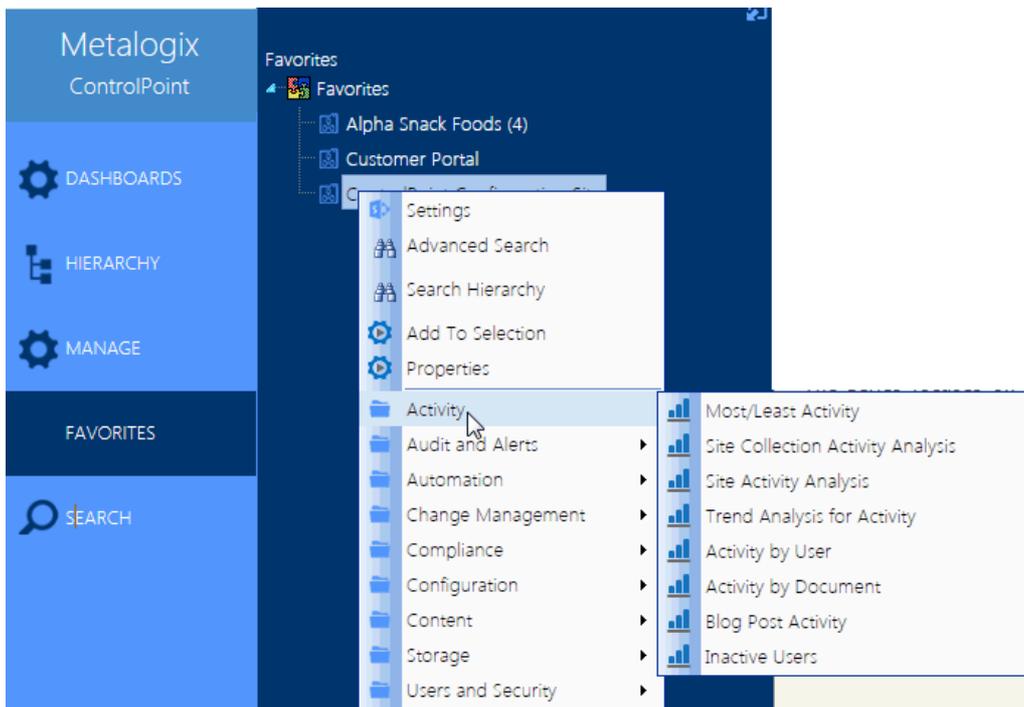
5 Click [**Save Menu**].

Now you can [manage access to the menu](#).

## Customizing Your Favorites

Each individual administrator can customize his or her own ControlPoint Favorites list to include frequently-used items, including SharePoint sites and ControlPoint actions and analyses.

When you add Web applications, site collections and sites to your Favorites list, you have access to all of the right-click menu options for which you have permissions.

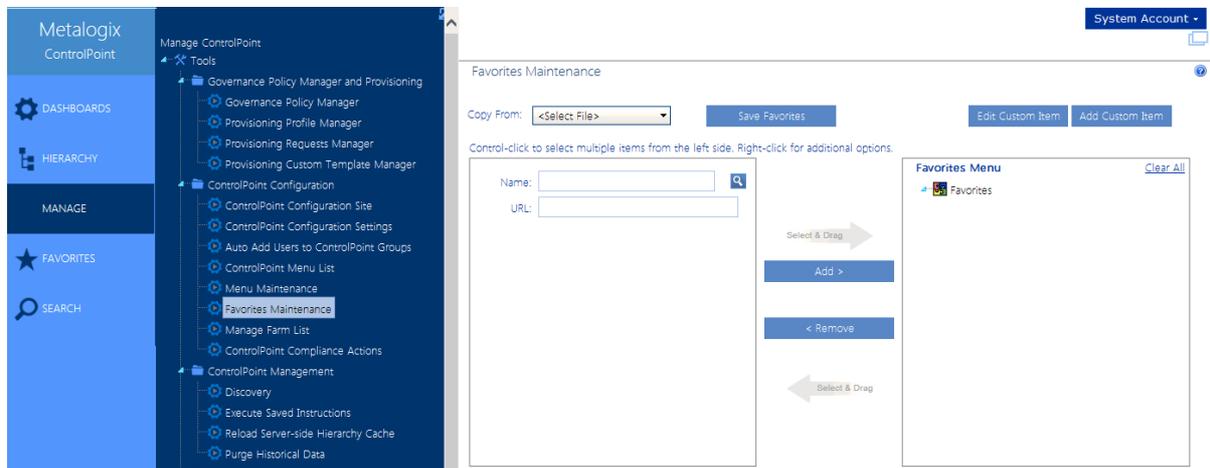


Custom items—such as links to SharePoint pages, internal or external web sites and web-based applications—can also be added.

**NOTE:** If you use ControlPoint to manage multiple farms, your Favorites will be carried over to every farm.

## To access the Favorites Maintenance page:

From the Manage ControlPoint tree, choose **ControlPoint Configuration > Favorites Maintenance**.



## To add items to your Favorites:

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

If you want to ...	Then ...
browse the SharePoint Hierarchy for site collections and sites*	from the <b>Copy From</b> drop-down, select <b>Farm</b> .  <b>Target Menu:</b> 
copy ControlPoint actions and analyses	from the <b>Copy From</b> drop-down, select a menu (.xml) file. Note that Tools.xml (and any customized versions of that file) contains the menu items that display only if ControlPoint is configured to display the Actions and

If you want to ...	Then ...
	Analysis tree as an alternative to Manage ControlPoint.
search for the site collections and sites that you want to add*	enter the site <b>Name</b> and/or <b>URL</b> and search within the SharePoint Hierarchy
add a custom menu item	follow the procedure for <a href="#">Adding and Updating Custom Items in a Menu</a> .

\*NOTE: In a multi-farm environment, you can only select items from the home farm (that is, the farm whose URL you used to launch ControlPoint). You can add objects from multiple farms to your Favorites, as long as the farm you *select* them from is currently the home farm.

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

If you want to ...	Then ...
select multiple items individually	hold down the <b>[Ctrl]</b> or <b>[Shift]</b> key and highlight each item you want to add.
immediately add an item and all of its children to the Selected Items column	highlight the item, then right-click and choose <b>Add Item and All Children</b> .
select an item and its immediate children (for example, a site collection and its root site only)	highlight the item, then right-click and choose <b>Highlight Immediate Children</b> . (If objects are grouped into a folder, you must first expand the folder.)

If you want to ...	Then ...
	TIP: You can use this option as a time-saver if you want to add most, but not all of the selected child items. After highlighting the item you can then individually <i>de-select</i> those that you want to exclude.

- 3 To add the highlighted item(s) to the selection list, either:
  - drag and drop the item(s) onto the item below which you want to nest it.

OR

  - highlight the item below which you want to nest the new item(s) then click the **[Add]** button.

### To change the placement of items:

- 1 If you want to move multiple items at once, hold down the **[Ctrl]** or **[Shift]** key and highlight each item you want to move.
- 2 Drag and drop the item(s) onto the item below which you want to nest it.

### To remove items:

- 1 In the right pane, highlight the item(s) you want to remove. (To select multiple items, hold down the **[Ctrl]** or **[Shift]** key.
- 2 Do one of the following:
  - drag and drop the item(s) to the left pane.

OR

  - click the **[Remove]** button.
  - To remove all items in the right pane, click the **Clear All** link.

### To save changes to your Favorites:

When you have finished adding items to your Favorites, click **[Save Favorites]**.

**IMPORTANT:** If you do *not* click **[Save Favorites]** and receive a confirmation dialog, any changes you made will be lost when you navigate away from the page.

# Defining Custom Properties to Apply to SharePoint Sites

For SharePoint Server farms that are subscribed to the Managed Metadata Service Application, ControlPoint Application Administrators can use Managed Metadata to define "Custom Properties" which can be applied to SharePoint sites via the ControlPoint Set Site Properties action. Unlike SharePoint, which allows Managed Metadata to be applied only to a list column, ControlPoint allows you to "tag" a site with Managed Metadata, for use as parameters in ControlPoint Advanced Searches.

Advanced Search > Select parameter(s) to act on

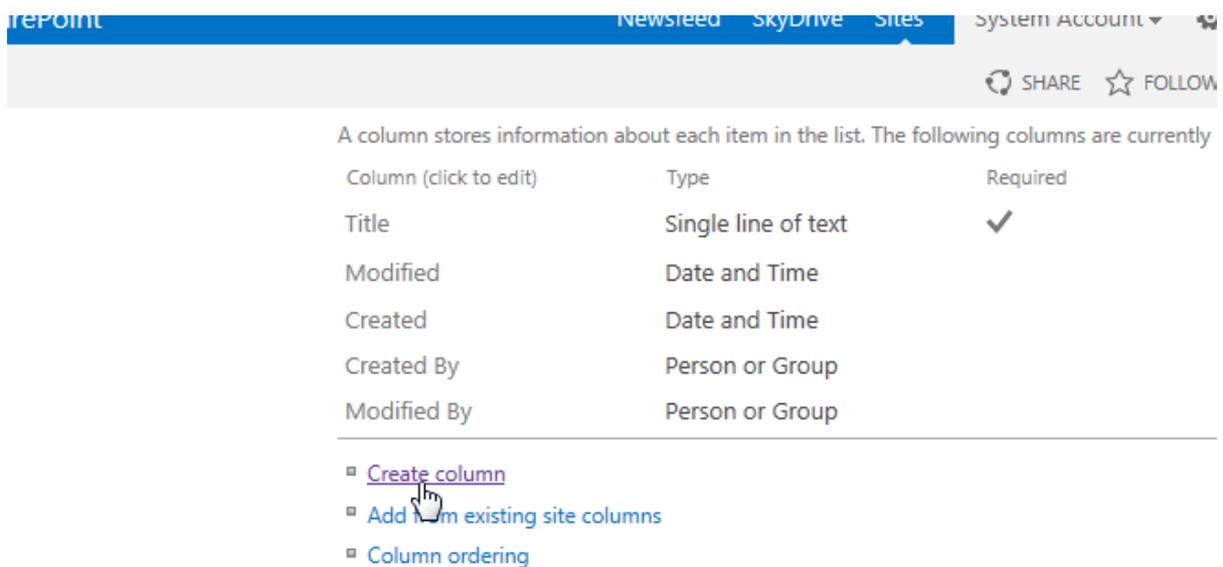
The screenshot shows the 'Advanced Search' configuration page. On the left, there are search criteria for 'Site Name contains', 'Site URL contains', 'Site Template', 'Web Parts', 'System Master Page', and 'Site Theme', each with a dropdown menu and a '<Select>' button. On the right, there are criteria for 'Created', 'Last Modified', 'Files', 'Size(KB)', 'Quota(MB)', and '% of Quota', each with a dropdown menu and an input field. Below these are 'Security' options (Any, Inherited, Unique) and a 'User' field. At the bottom right, there is a 'has Permissions' dropdown menu. A 'Custom Properties' section is highlighted with a red oval, showing two properties: 'Department' with the value 'HR;' and 'Location' with the value 'Corporate;'. Each property has a small icon to its right.

NOTE: For Custom Properties to be definable, the Web application that hosts ControlPoint Configuration Site Collection must be associated with the relevant Managed Metadata Service Application(s).

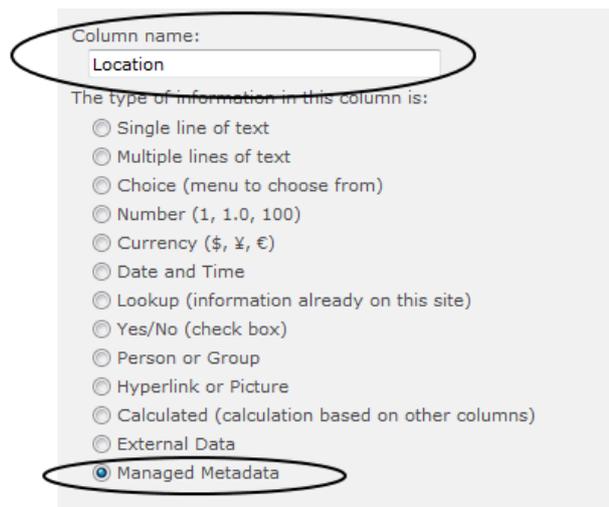
## To define Custom Properties:

- 1 Open the **Settings** page for the ControlPoint Configuration Site's Custom Properties list.

2 Under Columns, click **Create column**.



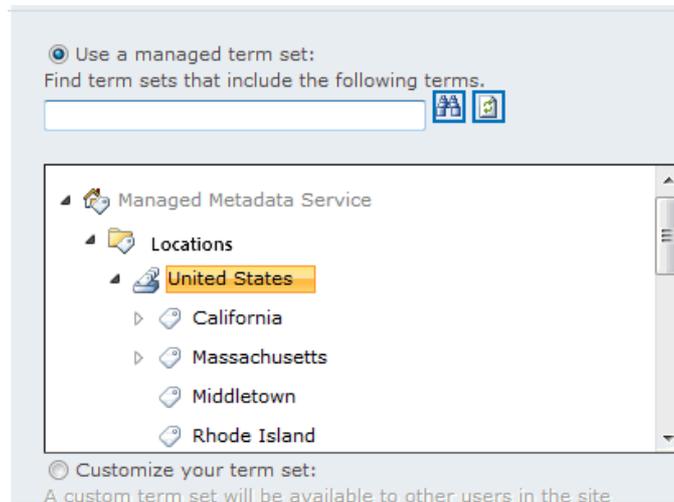
3 Enter a **Column name** (that is, the name you want to assign to the Custom Property), and for column type, select **Managed Metadata**.



4 For Term Set Settings, either:

- select **Use a managed term set**, then select the term set you want to use.
- OR
- select **Customize your term set**, then create the term set you want to use.

NOTE: Although list-specific term sets are not available to other *lists* in the farm when used within SharePoint, term sets created within this list can be used as ControlPoint Custom Properties by all *sites* throughout the farm.



NOTE: Additional settings, such as Allow multiple values, Allow Fill-in, and Default value are not valid for Custom Properties

5 To save the custom property, click **[OK]**.

Custom Properties defined within this list will be available for selection in the Set Site Properties user interface.



NOTE: If you delete a Managed Metadata column from the Custom Properties list, it will no longer be selectable as a Custom Property, and any existing site associations will be lost.

## Accessing Members of Active Directory Groups in Different Domains or Forests

If you want to be able to view members of Active Directory groups in another domain or forest when analyzing users and permissions, one of the following trust relationships must exist:

- a **two-way trust** (that is, users from both domains or forests can access each other's resources without additional authentication)

OR

- a **one-way outgoing trust** relationship (that is, resources in the domain in which ControlPoint is installed are accessible to users in the user domain or forest. In this case, ControlPoint needs

to be configured to access certain resources—such as Active Directory group members— in the other forest).

The Manage Forest Access feature lets you specify the account credentials that ControlPoint will use for authentication whenever it needs to retrieve Active Directory group members in a forest with which it has a one-way outgoing trust relationship. The account ControlPoint uses for authentication must have a minimum of Read access to the other forest. As an added security measure, ControlPoint encrypts these credentials using the Advanced Encryption Standard (AES) algorithm before they are stored.

Note that, if your environment uses a one-way trust relationship and you do not configure ControlPoint to manage forest access:

- ControlPoint will still be able to report on permissions granted to users and groups in other domains, but you will not be able to expand Active Directory groups and view membership in those domains.

AND

- If an Active Directory group is placed into the Business Administrators group, members of that Active Directory group will not be recognized as Business Administrators.

### To access the Manage Forest Access feature:

- [If the menu item has been added to ControlPoint](#) and you have permissions for it, from the Manage ControlPoint panel, choose **Manage Forest Access**

OR

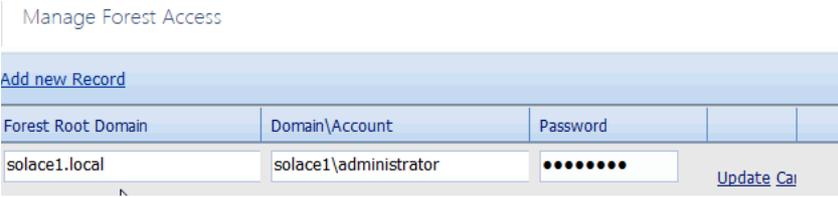
- Replace the **xcMain.aspx** portion of the ControlPoint url with **xcForestAccess.aspx**.

Manage Forest Access				
<a href="#">Add new Record</a>				
Forest Root Domain	Domain\Account	Password		

### To manage access to domains and forests with one-way outgoing trusts:

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

If you want to ...	Then ...
add a forest to the list	<ul style="list-style-type: none"> <li>▪ Click the <b>Add new Record</b> link.</li> <li>▪ For <b>Forest Root Domain</b>, enter the <i>fully qualified</i> domain name.</li> <li>▪ Enter the <b>Domain\Account</b> you want ControlPoint to use for authentication, and the account <b>Password</b>.</li> </ul>

If you want to ...	Then ...
	 <ul style="list-style-type: none"> <li>▪ Click the <b>Update</b> link.</li> </ul>
update account credentials for a forest in the list	<ul style="list-style-type: none"> <li>• Click the <b>Edit</b> link for the applicable record.</li> <li>• Update the appropriate field(s).</li> </ul> <p>CAUTION: The Password field will always be cleared when you open a record for editing and must be re-entered before a record can be updated, regardless of whether it has changed.</p> <ul style="list-style-type: none"> <li>• Click the <b>Update</b> link.</li> </ul>
delete a forest from the list	<p>Click the <b>Delete</b> link for the applicable record. (A confirmation dialog will display asking you if you want continue with the delete action.)</p>

## 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.

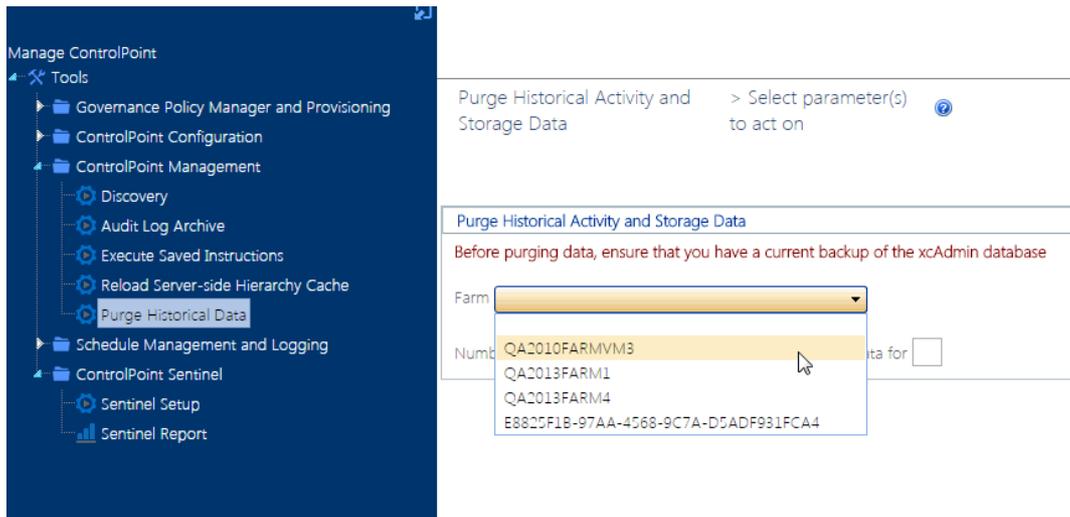
Data is purged from one farm per operation, and you can specify how many months' worth of data you want to retain.

**IMPORTANT:** 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:

- run the action immediately (by clicking [**Run Now**]),

OR

- schedule the action to run at a later time

OR

create an xml file with instructions for the action that can be run at a later time (by clicking [**Save Instructions**]). See "Saving, Modifying and Running XML Instructions for a ControlPoint Operation" in the *ControlPoint User's Guide*.

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

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

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

See also "The ControlPoint Task Audit" in the *ControlPoint User Guide*.

# Enabling Server Details to Display in the SharePoint Summary Report

If you want to be able to include details about servers in your SharePoint farm in the SharePoint Summary report, the ControlPoint Service account must have permissions to request status information from each server that you want to include.

NOTE: Because the reporting of server details is a time-consuming process, it is an optional parameter in the SharePoint Summary Report user interface.

To ensure that the ControlPoint Service account has permissions to request server information, verify that:

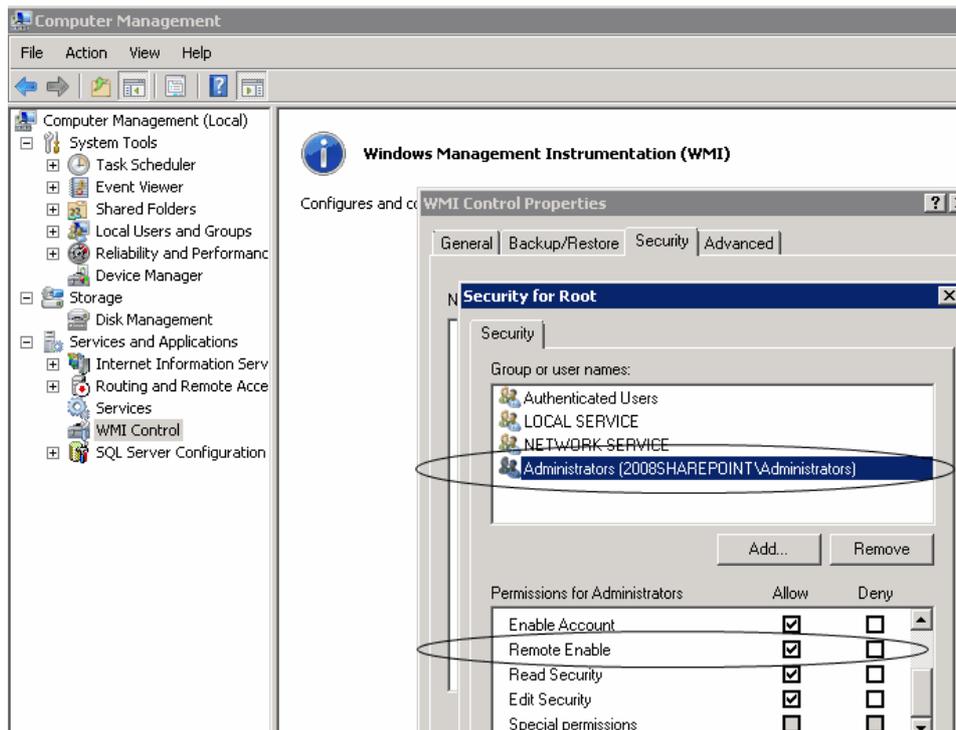
- the ControlPoint Service account is a member of the local Administrators group on the target server
- the local Administrators group has "Remote Enable" Permissions for WMI on the target server
- remote WMI requests can be made on the target server.

## Ensuring the Local Administrators Group has Remote Enable Permissions for WMI

NOTE: Remote Enable permissions is granted to the Local Administrators group by default.

- 1 From the server whose statistics you want to display, choose **All Program > Administrative Tools > Computer Management**.
- 2 Expand the **Services and Applications** node.
- 3 Select **WMI Control**, right-click, and choose **Properties**.
- 4 Click the Security tab.
- 5 Click [**Security**].

- 6 Make sure **Remote Enable** is allowed for the local Administrators group.



- 7 If the target server is running Windows Firewall (a.k.a Internet Connection Firewall), run the following from the command prompt to allow remote WMI requests:

```
netsh firewall set service RemoteAdmin enable
```

---

# 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.

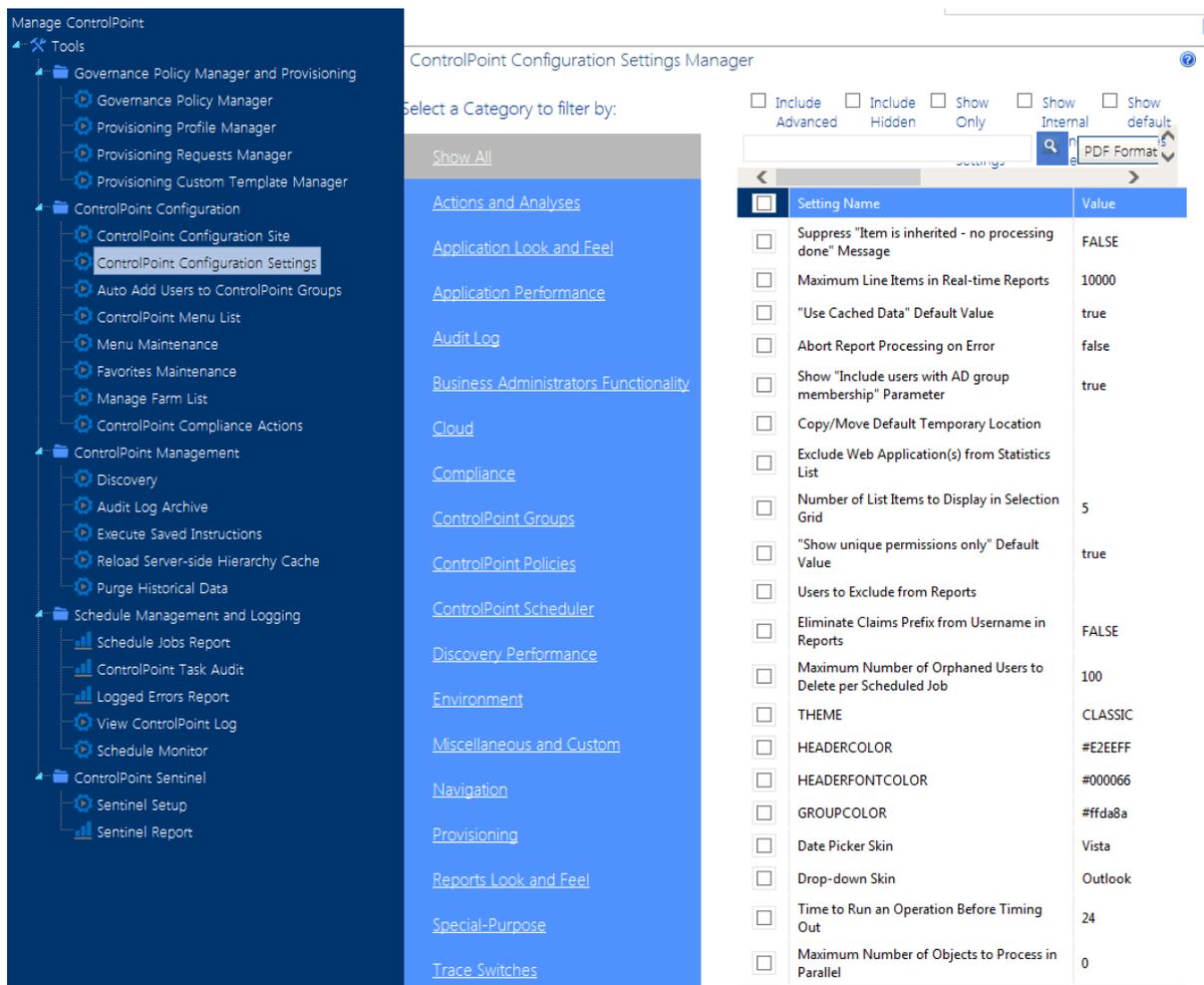
ControlPoint Application settings are modified via the ControlPoint Configuration Settings Manager page.

**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.

ControlPoint Configuration Settings are farm-specific. If you are using ControlPoint in a multi-farm installation, these settings are managed separately for each farm.

## 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:

- 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
- Navigation
- Provisioning
- Reports Look and Feel

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

<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
  ?

?

<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	Hoster

## 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. At the top, there is a search bar and four buttons: 'Create', 'Edit', 'Delete', and 'Reset'. Below this is a table with columns: 'Setting Name', 'Internal Name', 'Value', and 'Default Value'. The table contains several settings, with 'Operations Using Parallel Processing' selected (checkbox checked). An arrow points from this row to a dialog box titled 'Edit Setting for Maximum Number of Objects to Process in Parallel'. The dialog box shows the following information:

- Setting Name: Maximum Number of Objects to Process in Parallel
- Internal Name: MaxParallelProcs
- Current Value: 0
- New Value: 4 (entered in a text input field)

At the bottom of the dialog box are 'Update' and 'Cancel' buttons.

- 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 same settings management interface as above, but with the 'Reset' button highlighted. The table below shows several settings with checkboxes checked:

<input type="checkbox"/>	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

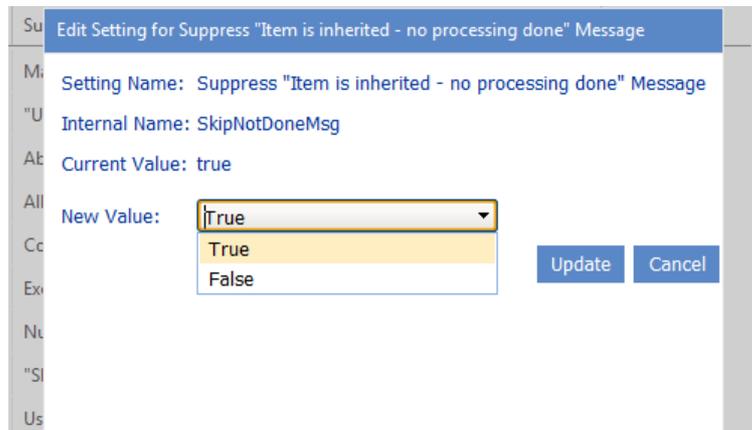
These configuration settings display in the ControlPoint Settings list under the category **Actions and Analyses**.

## 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*.



The screenshot shows a dialog box titled "Edit Setting for Suppress 'Item is inherited - no processing done' Message". The dialog contains the following information:

- Setting Name: Suppress "Item is inherited - no processing done" Message
- Internal Name: SkipNotDoneMsg
- Current Value: true
- New Value: A dropdown menu currently showing "True", with "True" and "False" as visible options.
- Buttons: "Update" and "Cancel".

## Maximum Line Items in Real-time (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**.

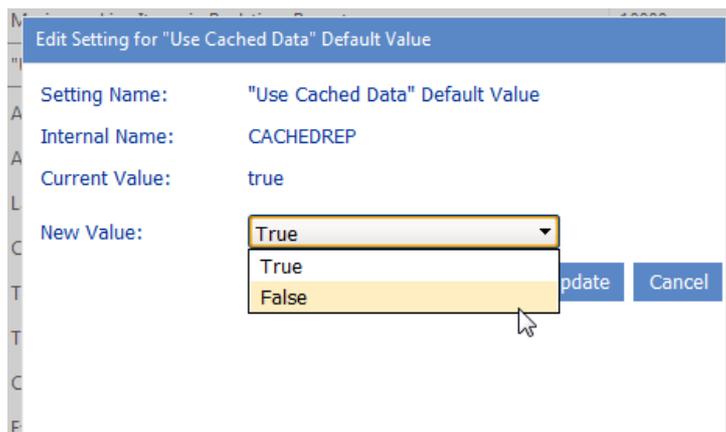


## "Use Cached Data" Default Value (CACHEDREP)

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

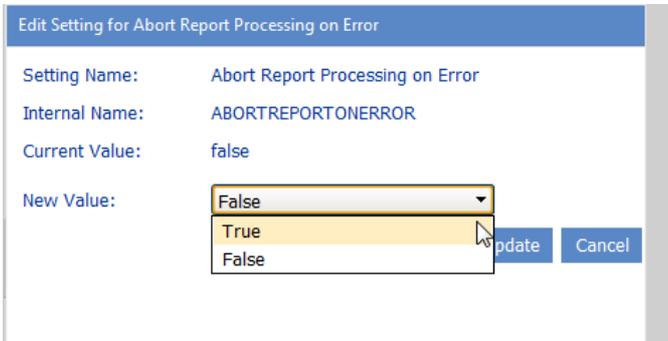
ControlPoint Application Administrators can, however, change the default option to real-time by changing the Value of the ControlPoint Setting CACHEDREP from *True* to *False*.



# 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.



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

# Display "Include users with AD group membership" Parameter (SHOWADGROUPS)

By default, if a permissions analysis is run using real-time data, users have the option to **Include users with AD group membership** in analysis results.

Include users with AD group membership

Active Directory Group Members

Group / User	Total members in AD group
<input checked="" type="checkbox"/> bellum\development	5
bellum\jamesjoyce	
bellum\marktwain	
bellum\isaacasimov	
bellum\clarkkent	
bellum\agathachristie	
<input checked="" type="checkbox"/> bellum\patentattomeys	5
bellum\jamesjoyce	
bellum\marktwain	
bellum\washingtonirving	
bellum\isaacasimov	
bellum\olivertwist	

If it is important that membership in Active Directory groups *not* be viewable in ControlPoint, ControlPoint Application Administrators can restrict this feature by changing the Value of the ControlPoint Configuration Setting Allow Display of Active Directory Groups Popup in Report Results *True* to *false*.

Edit Setting for Allow Display of Active Directory Groups Popup in Report Results

Setting Name: Allow Display of Active Directory Groups Popup in Report Results

Internal Name: SHOWADGROUPS

Current Value: true

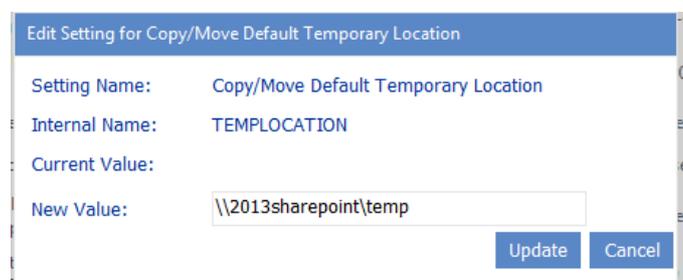
New Value:

# Copy/Move Default Temporary Location (TEMPLOCATION)

When ControlPoint is used to copy or move a site collection, site or list, a Temporary Location—where files will be stored until the copy/move is complete—must be specified.

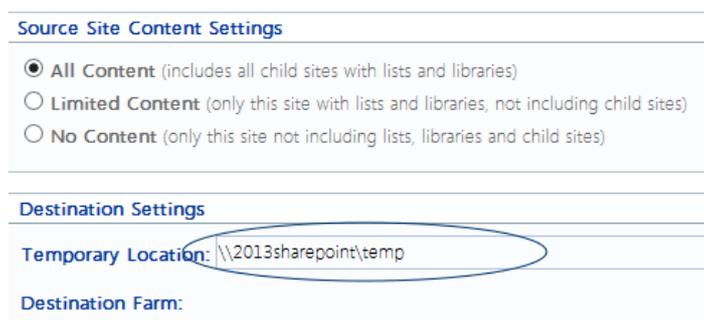
The ControlPoint Application Administrator can specify an initial default temporary location for all copy/move operations, by entering either a network folder (not file) path or a url as the Value for the ControlPoint Setting **Copy/Move Default Temporary Location**.

NOTE: The administrator performing the operation (and in the case of cross-farm operations, the Service Accounts used on both the source and destination farm) must have Full Control access to the folder or path.



The Default Temporary Location is displayed the first time a user initiates a copy or move and can be overwritten in the Copy/Move user interface.

Copy Site > Select parameter(s) to act on ⓘ



If a Value is not specified, the Temporary Location field will be blank and must be completed by each individual administrator. If an administrator enters a new/different path, it is retained as the user-specific default for that administrator.

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

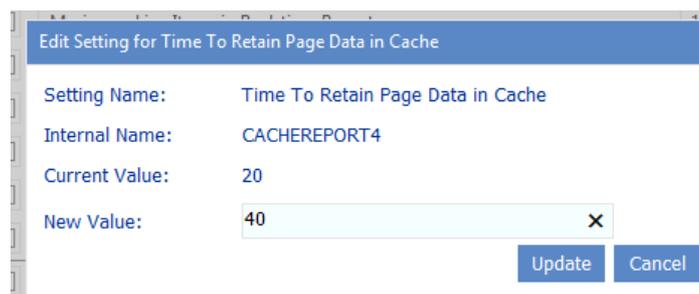
By default, information about an active ControlPoint operation is kept in a server memory cache for 20 minutes. Within this time period, a user can:

- 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.



Edit Setting for Number of Reports to Keep in Memory After Drill-Down

Setting Name: Number of Reports to Keep in Memory After Drill-Down

Internal Name: RVSESSIONSKEPT

Current Value: 10

New Value: 8

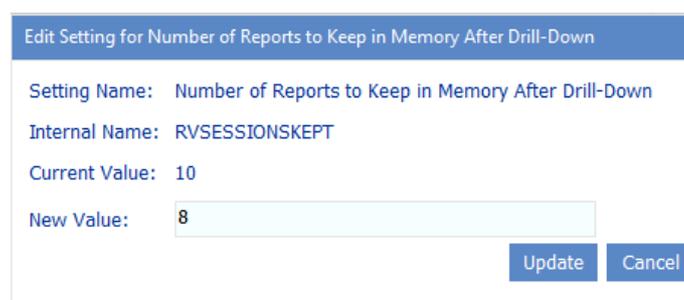
Update Cancel

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 Reports to Keep in Memory After Drill-Down (RVSESSIONSKEPT)

By default, if a ControlPoint user has checked the **Open drill-downs in new window** parameter for a ControlPoint analysis, the Report Viewer will keep information for up to 10 of these analyses for each user in server memory before the window containing the results of the original analysis expires. ControlPoint Application Administrators can change this limit, however, by changing the Value of the ControlPoint Setting **Number of Reports to Keep in Memory After Drill-Down**.

NOTE: This is an Advanced Setting.



Edit Setting for Number of Reports to Keep in Memory After Drill-Down

Setting Name: Number of Reports to Keep in Memory After Drill-Down

Internal Name: RVSESSIONSKEPT

Current Value: 10

New Value: 8

Update Cancel

NOTE: This setting applies only when a user drills down *in a new window*.

If you increase this value, a user will be allowed to open more drill-down windows before having to re-initiate the original analysis. Keep in mind, however, that the higher the value is set the more information will consume memory, which may place a burden on server resources (specifically, the size of the application pool process supporting the Web application that hosts the ControlPoint Configuration Site collection).

## Exclude Web Application(s) from Statistics List (DASHBOARDWAPEXCLUDE)

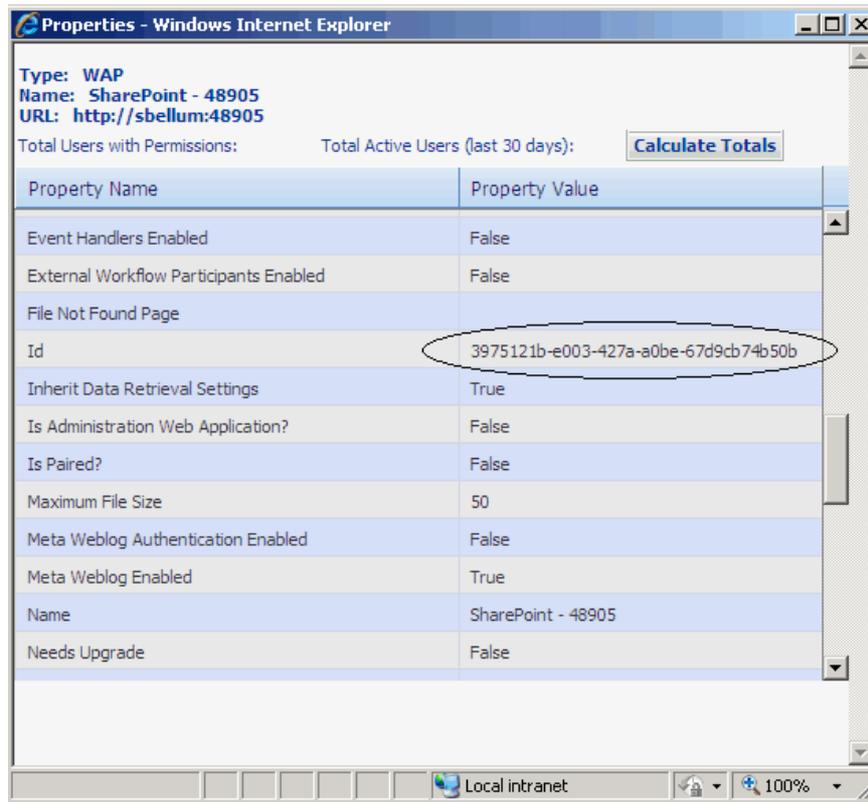
By default, the site collection statistics list that is created for use by dashboards includes all site collections in the farm.

ControlPoint Application Administrations can, however, exclude all of the site collections within one or more Web applications (up to a maximum of 6) from the Site Collection Statistics list. For example, you may choose not to monitor statistics for a large number of MySites.

To exclude a Web application from the Site Collection Statistics list, enter the Web application's GUID as the Value of the ControlPoint Setting **Exclude Web Application(s) from Statistics List**. Use the following guidelines:

- 1 To locate a Web application's GUID, select the Web application in the ControlPoint Farm Hierarchy, right-click and choose **Properties**.

- Copy the Id's Property Value and paste it directly into the Value field.



- Repeat steps 1 and 2 for each Web application you want to exclude (up to a maximum of 6). Use a comma (,) to separate each GUID in the list.

## Number of List Items to Display in Selection Grid (DISPLAYSINGLELISTITEMS)

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.

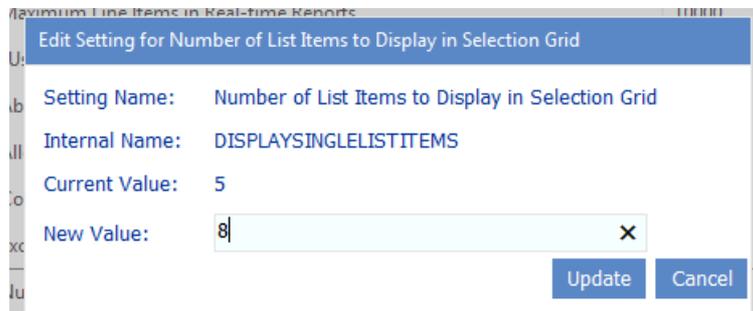
Remove	Include Children	Type	URL
✗	<input type="checkbox"/> OR <a href="#">Choose</a>		http://qa2010farmf:38472/sites/GBTTeamSiteA/Shared Documents/Forms/AllItems.aspx
✗	<a href="#">Review</a>		Shared Documents/Business Admin Testing.docx
✗	<a href="#">Review</a>		Shared Documents/ControlPoint Evaluation Guide.pdf
✗	<a href="#">Review</a>		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 <a href="#">Choose</a>		http://qa2010farmf:38472/sites/GBTeamSiteA/Shared Documents/Forms/AllItems.aspx
▶	✘	<a href="#">Review</a>		/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**.



## Use Activity Min. Date as Start Date (UseActivityDbDate)

By default, when an Activity Analysis includes a date range, there are no restrictions on the **Start Date** users can select, even if it precedes the earliest date that activity that is retained in the database. ControlPoint Application Administrators can, however, restrict the Start Date that can be selected (that is, prohibit users from selecting a Start Date earlier than the first date of available activity) by changing the Value of the ControlPoint Setting UseActivityDbDate from *False* to *True*.

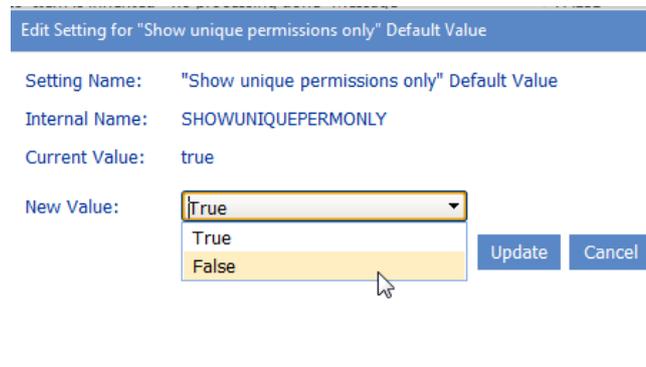
If this value is set to True, page load time may take significantly longer.

## "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.



Edit Setting for "Show unique permissions only" Default Value

Setting Name: "Show unique permissions only" Default Value

Internal Name: SHOWUNIQUEPERMONLY

Current Value: true

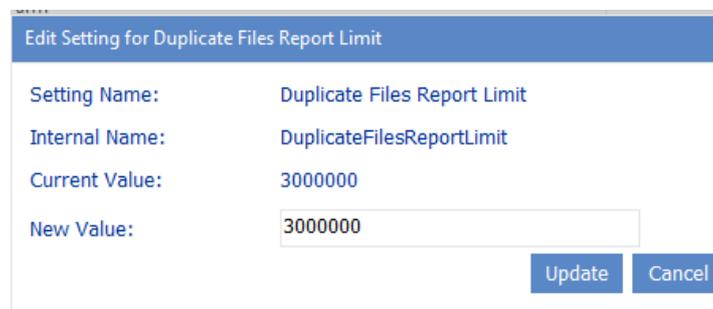
New Value:

Update Cancel

## Duplicate Files Report Limit (DuplicateFilesReportLimit)

By default, when a Duplicate File analysis is run, up to 3000000 (three million) files can be evaluated for duplicates. ControlPoint Application Administrators can, however, increase this number by changing the Value of the ControlPoint Setting **Duplicate Files Report Limit**.

NOTE: This is an Advanced Setting.



Edit Setting for Duplicate Files Report Limit

Setting Name: Duplicate Files Report Limit

Internal Name: DuplicateFilesReportLimit

Current Value: 3000000

New Value:

Update Cancel

NOTE: If you set too high a limit, out-of-memory exceptions may occur, particularly on 32-bit operating systems.

## 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
- Site Collection Activity
- Site Activity
- Activity by User
- Activity by Document
- Inactive Users

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* (sometimes known as pre-Windows 2000 account names in Active Directory), not display names. For example, you cannot exclude system accounts by entering the display name System Account.

The screenshot shows a dialog box titled "Edit Setting for Users to Exclude from Reports". It contains the following information:

- Setting Name:** Users to Exclude from Reports
- Internal Name:** EXCLUDEDUSERS
- Current Value:** (empty field)
- New Value:** Sharepoint\System,NTAuthority\Auth x

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

You can still run permissions and activity reports on excluded users if you enter them in the People Picker.

NOTE: You can exclude users from audit log analyses via the ControlPoint Configuration Setting [Users to Exclude from Audit Log Analyses](#).

# Eliminate Claims Prefix from Username in Reports (UseCleanedLoginNameInReports)

By default, the names of claims-authenticated user names display with the claims prefix (for example, i:0#.w|) in results of several ControlPoint analyses.



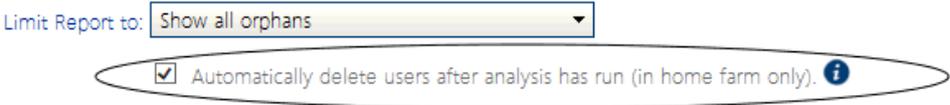
ControlPoint Application Administrators can, however, choose to have claims user names display "cleaned up" (that is, without the prefix) by changing the Value of the ControlPoint Configuration Setting UseCleanedLoginNameInReports from *False* to *True*.



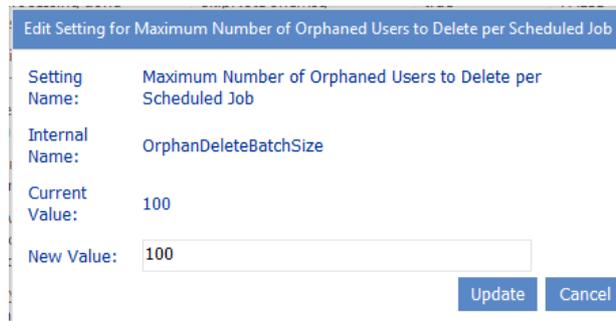
# Maximum Number of Orphaned Users to Delete Per Scheduled Batch (OrphanDeleteBatchSize)

If you run an Orphaned Domain Users analysis and choose to **Automatically delete users after analysis has run**, ControlPoint will automatically submit one or more Delete User jobs to the ControlPoint scheduler.

Orphaned Domain Users > Select parameter(s) to act on ⓘ



The number of jobs submitted depends on the number of users to be deleted, and the number of users processed in a job is determined by the Value of the ControlPoint Setting `OrphanedDeleteBatchSize` (100 by default). ControlPoint Application Administrators may, however, choose to either *increase* this value (if, for example, they want all users to be deleted in a single scheduled job or *decrease* it (for example, to avoid having a single scheduled job run for an excessively long time).



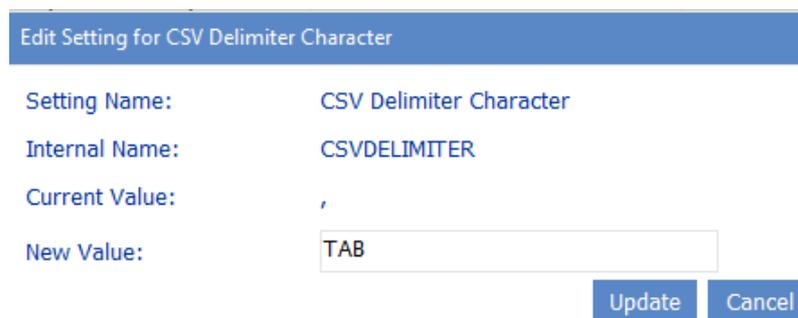
Edit Setting for Maximum Number of Orphaned Users to Delete per Scheduled Job	
Setting Name:	Maximum Number of Orphaned Users to Delete per Scheduled Job
Internal Name:	OrphanDeleteBatchSize
Current Value:	100
New Value:	<input type="text" value="100"/>
<input type="button" value="Update"/> <input type="button" value="Cancel"/>	

## 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.

## Largest Active Directory Group to Expand in Reports (MAXMEMBERS)

By default, when a ControlPoint permissions analysis is generated with the **Expand Active Directory Groups** box checked, users in Active Directory groups display as separate line items in analysis results only if the group contains 500 or fewer members.

ControlPoint Application Administrators can, however, change this number by modifying the Value of the ControlPoint Setting **Largest Active Directory Group to Expand in Reports**.

NOTE: This is an Advanced Setting.



Edit Setting for Largest Active Directory Group to Expand in Reports

Setting Name: Largest Active Directory Group to Expand in Reports

Internal Name: MAXADMEMBERS

Current Value: 500

New Value:

Update Cancel

For example, you may not want to display members of very large groups, such as all employees or department members.

NOTE: Built-in groups, such as NT Authority\authenticated users, will not be expanded, regardless of the number of users:

## 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.

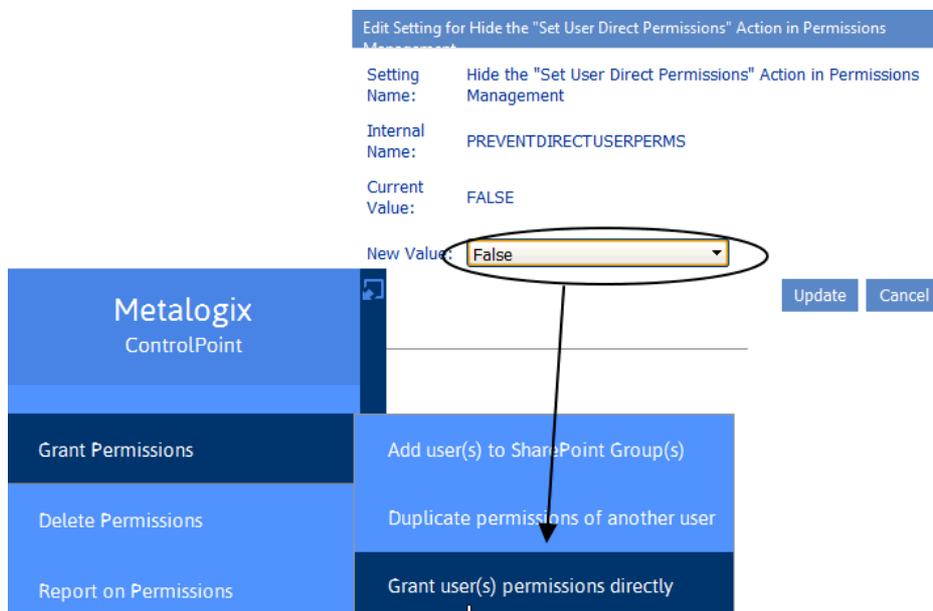
ControlPoint Application Administrators can, however, specify a different limit by changing the Value of the ControlPoint Configuration Setting **Maximum Number of Users to Act on**.

NOTE: This is an Advanced Setting.

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

## Hide the "Set User Direct Permissions" Action in Permissions Management (PREVENTUSERPERMS)

By default, the Permissions Management for Site Admins option includes the option to **Grant user(s) permissions directly**.



However, ControlPoint Application Administrators can hide this option (if, for example, your organization adheres to the SharePoint best practice of allowing permissions to be granted only via SharePoint groups) by changing the Value of the ControlPoint Configuration Setting Hide the "Set User Direct Permissions" Action in Permissions Management (PREVENTDIRECTPERMS) from *false* to *true*.

NOTE: This is an Advanced Setting.

Edit Setting for Hide the "Set User Direct Permissions" Action in Permissions Management

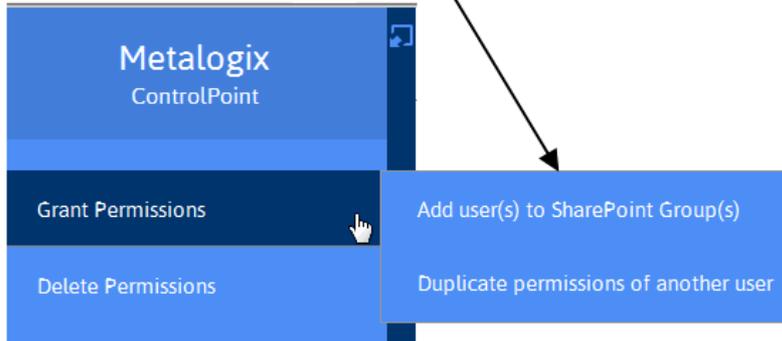
Setting Name: Hide the "Set User Direct Permissions" Action in Permissions Management

Internal Name: PREVENTDIRECTUSERPERMS

Current Value: true

New Value:

Update Cancel



Edit Setting for Hide the "Set User Direct Permissions" Action in Permissions Management

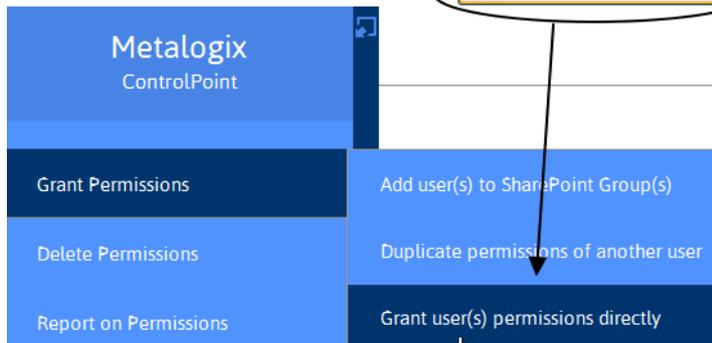
Setting Name: Hide the "Set User Direct Permissions" Action in Permissions Management

Internal Name: PREVENTDIRECTUSERPERMS

Current Value: FALSE

New Value:

Update Cancel



# Prevent Set Site Collection Quotas (PreventSetSCQuota)

By default, a ControlPoint user can set a site collection quota via the Set Site Collection Properties action only if the user is a Farm Administrator or has been given elevated privileges via the security override [ACTSECOVRW](#).

Set Site Collection Properties > Select parameter(s) to act on

---

**Site Collection Administrators**

Add Site Collection Administrators:

---

**Site Collection Quota**

Set Site Quota Template to:

Limit site storage to a maximum of:  MB

Send warning e-mail when site storage reaches:  MB

---

**Portal Site Connections**

Leave Portal Site Connections untouched  Clear Portal Site Connections  Connect to portal site:

Portal Web Address:

Portal Display Name:

---

**Site Collection Audit Settings**

Leave Audit Settings untouched  Disable Audit  Enable Audit

ControlPoint Application Administrators can, however, allow all ControlPoint users to set quotas for site collections that they manage by changing the Value of the ControlPoint Configuration Setting **Prevent Set Site Collection Quotas** from *True* to *False*.

NOTE: This is an Advanced Setting.

Edit Setting for Prevent Set Site Collection Quotas

Setting Name: Prevent Set Site Collection Quotas

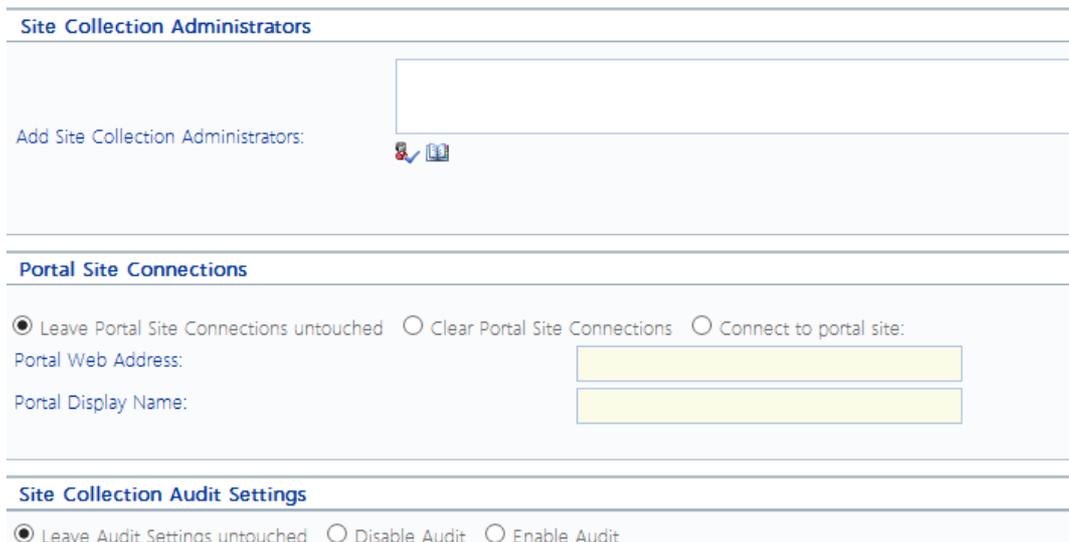
Internal Name: PreventSetSCQuota

Current Value: TRUE

New Value:

When Prevent Site Collection Quotas is set to True (the default value), the Site Collection Quota will not be visible to unauthorized ControlPoint users.

Set Site Collection Properties > Select parameter(s) to act on 

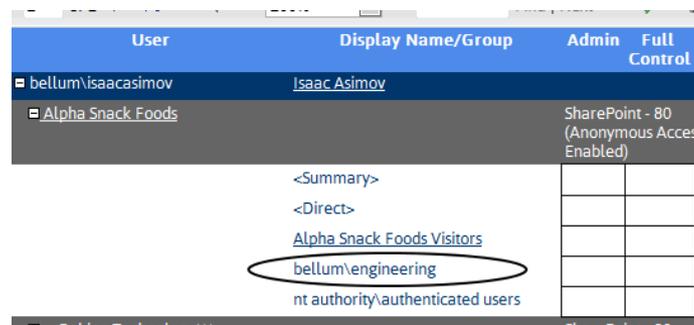


The screenshot shows three configuration panels in a web interface:

- Site Collection Administrators:** A section with a header and a large empty text box for adding administrators. Below the box are small icons for user selection and a checkmark.
- Portal Site Connections:** A section with three radio buttons: "Leave Portal Site Connections untouched" (selected), "Clear Portal Site Connections", and "Connect to portal site:". Below are two text input fields labeled "Portal Web Address:" and "Portal Display Name:", both containing yellow placeholder text.
- Site Collection Audit Settings:** A section with three radio buttons: "Leave Audit Settings untouched" (selected), "Disable Audit", and "Enable Audit".

## Show Nested Active Directory Groups (PROCESSADHIERARCHY)

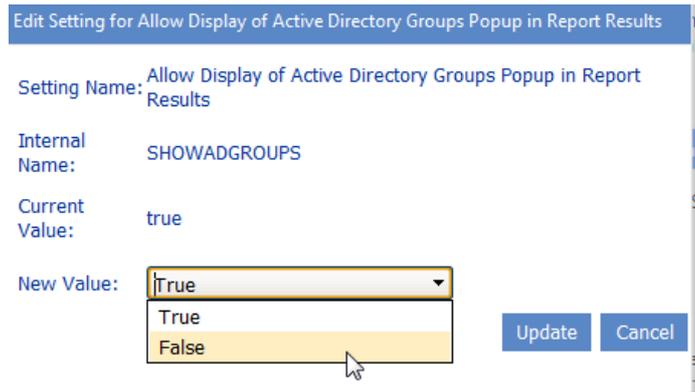
By default, when you generate a Permissions analysis and choose to **Include users with AD group membership**, only the top-most group that a user is a member of displays in analysis results (that is, if the user is a member of a subgroup within that group, the path to that subgroup is not shown).



User	Display Name/Group	Admin	Full Control
bellum\isaacasimov	Isaac Asimov		
Alpha_Snack_Foods		SharePoint - 80 (Anonymous Access Enabled)	
	<Summary>		
	<Direct>		
	Alpha_Snack_Foods_Visitors		
	bellum\engineering		
	nt authority\authenticated users		
Baking_Technology***		SharePoint - 80	

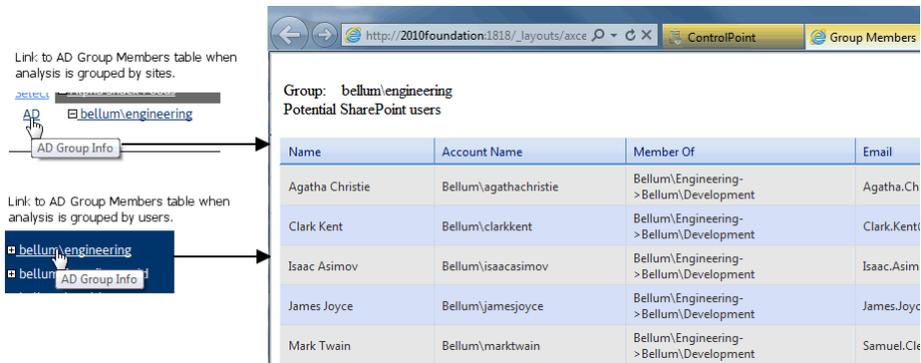
ControlPoint Application Administrators can, however, choose to have the entire group hierarchy (that is, the path to any *subgroup* of which the user is a member) display in analysis results by changing the Show Nested Active Directory Groups Value from *False* to *True*.

NOTE: This is an Advanced Setting.



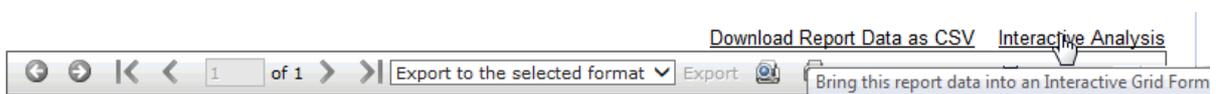
User	Display Name/Group	Admin	Fu	Con
bellum\isaacasimov	Isaac Asimov			
Alpha Snack Foods		SharePoint - 8		(Anonymous A
		Enabled)		
	<Summary>			
	<Direct>			
	<a href="#">Alpha Snack Foods Visitors</a>			
	<a href="#">Bellum\Engineering-&gt;Bellum\Development</a>			
	nt authority\authenticated users			

NOTE: When the entire AD hierarchy must be processed, performance may be impacted. Remember that you can also view the full Active Directory hierarchy by opening the AD Group Membership dialog.



## Hide Interactive Analysis Link (RESTRICTSL)

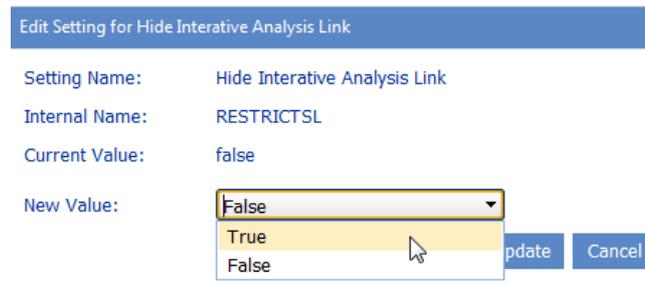
By default, when ControlPoint is used to manage a SharePoint 2010 farm, all ControlPoint users can initiate an interactive analyses via a link that displays in the analysis results header.



NOTE: The Interactive Analysis feature is not available for SharePoint 2013 or later.

ControlPoint users can run Interactive analyses only if Microsoft Silverlight is installed on the local machine. (If it is not already installed, when the Interactive Analysis link is clicked they will be prompted to download it from the Microsoft Silverlight website.) If you want to restrict this functionality—for example, if your company policy prohibits local installation of Silverlight—you can hide the Interactive Analysis link by changing the Value of the ControlPoint Configuration Setting **Hide Interactive Analysis** from *false* to *true*.

NOTE: This is an Advanced Setting.



Edit Setting for Hide Interactive Analysis Link

Setting Name: Hide Interactive Analysis Link

Internal Name: RESTRICTSL

Current Value: false

New Value:  (dropdown menu open showing True, False)

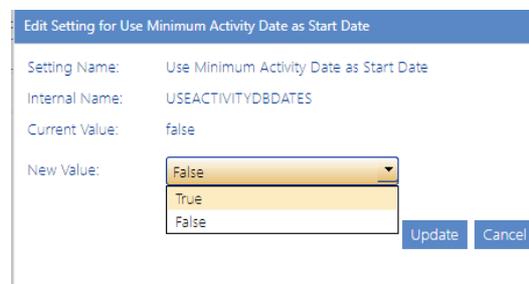
Update Cancel

## Use Minimum Activity Date as Start Date (USEACTIVITYDBDATES)

By default, when an Activity analysis is invoked, users are allowed to enter a **Start Date** that precedes the earliest record of activity retained in the database. ControlPoint Application Administrators can, however *prevent* an earlier Start Date from being entered by changing the Value of the ControlPoint Configuration Setting **Use Minimum Activity Date as Start Date** from *False* to *True*.

NOTE: This is an Advanced Setting.

WARNING: Depending on the size of your SharePoint environment, setting this value to True may result in significantly longer page load times, as ControlPoint must perform a query to determine the first valid Start Date that can be entered.



Edit Setting for Use Minimum Activity Date as Start Date

Setting Name: Use Minimum Activity Date as Start Date

Internal Name: USEACTIVITYDBDATES

Current Value: false

New Value:  (dropdown menu open showing True, False)

Update Cancel

NOTE: If this value is set to False, ControlPoint can only retrieve data as far back as the oldest record of activity retained in the database, regardless of the Start Date entered.

# Changing Default Settings to Improve Application Performance

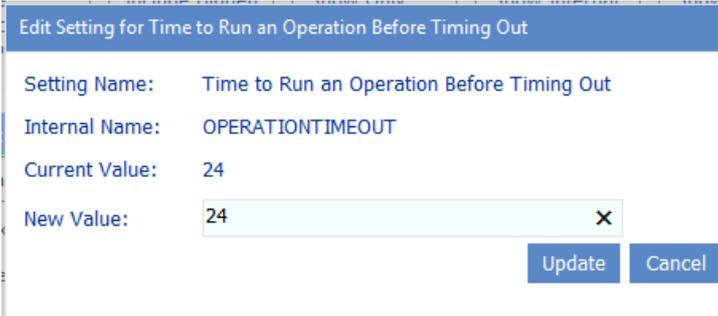
These configuration settings display in the ControlPoint Settings list under the category **Application Performance**.

## 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:	<input type="text" value="24"/>

At the bottom right of the dialog are two buttons: "Update" and "Cancel".

## 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

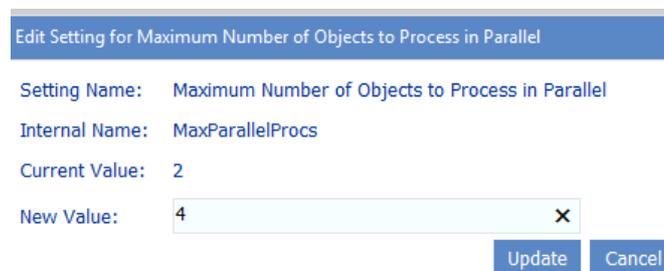
processed one at a time, in hierarchical order). ControlPoint Application Administrators may, however, choose to

- 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).



Edit Setting for Maximum Number of Objects to Process in Parallel

Setting Name: Maximum Number of Objects to Process in Parallel

Internal Name: MaxParallelProcs

Current Value: 2

New Value: 4

Update Cancel

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

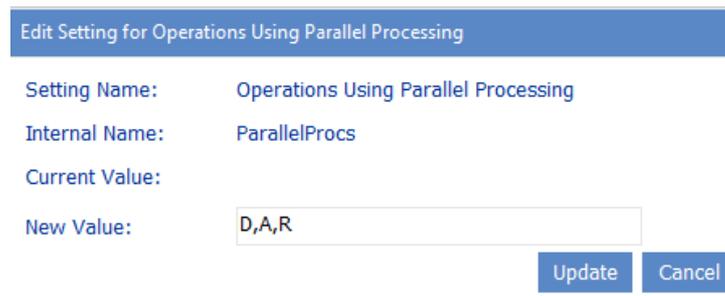
- increase or decrease the maximum number of objects that should be processed simultaneously (i.e., in parallel), and/or
- specify the operation(s) (Discovery, Actions, and/or Reports) for which parallel processing should/should not be used.

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.



Edit Setting for Operations Using Parallel Processing

Setting Name: Operations Using Parallel Processing

Internal Name: ParallelProcs

Current Value:

New Value: D,A,R

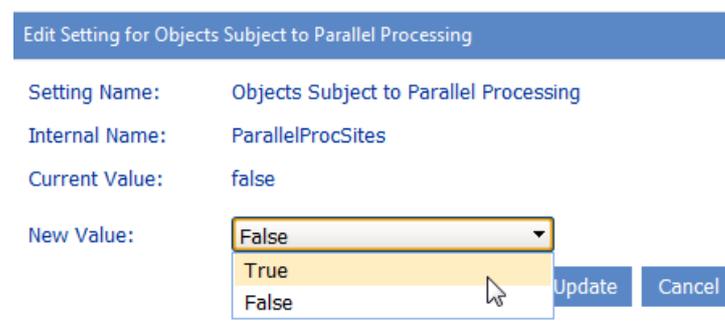
Update Cancel

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.



Edit Setting for Objects Subject to Parallel Processing

Setting Name: Objects Subject to Parallel Processing

Internal Name: ParallelProcSites

Current Value: false

New Value: True

Update Cancel

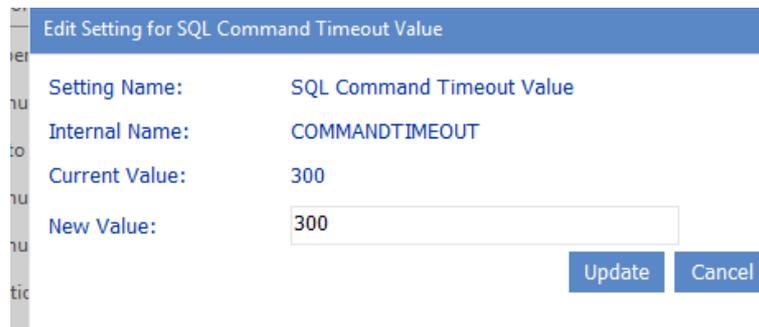
# SQL Command Timeout Value (COMMANDTIMEOUT)

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.

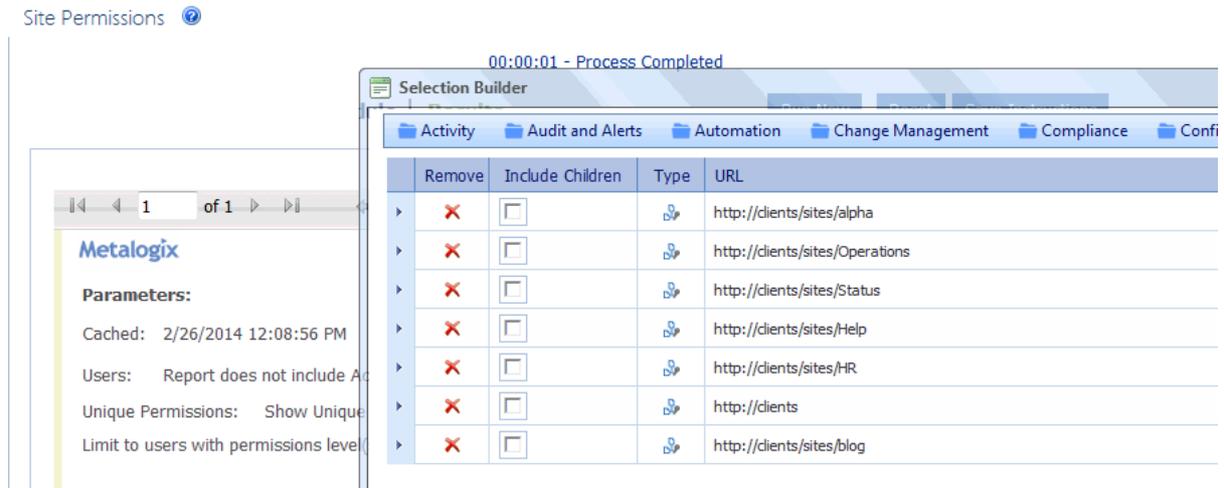


Edit Setting for SQL Command Timeout Value	
Setting Name:	SQL Command Timeout Value
Internal Name:	COMMANDTIMEOUT
Current Value:	300
New Value:	<input type="text" value="300"/>
<input type="button" value="Update"/> <input type="button" value="Cancel"/>	

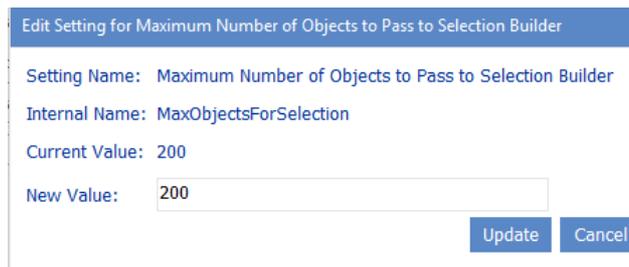
NOTE: Remember, this value is specified in *seconds*.

# 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.")



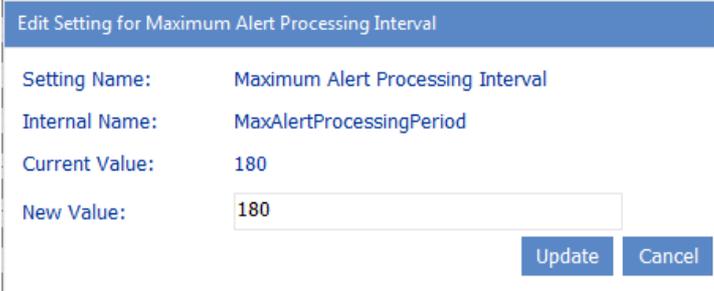
If the specified number is met, no additional sites will be added to the Selection Builder and the user will be presented with a warning message.

## Maximum Alert Processing Interval (MaxAlertProcessingPeriod)

By default, if a ControlPoint Alerts action is scheduled to run on a recurring basis at an interval measured in *minutes*, ControlPoint will include 180 minutes worth of historical data the first time the job runs.

(Each subsequent run will include all events that occurred since the last successfully-completed job run.)

ControlPoint Application Administrators can, however specify a different time period by changing the Value of the ControlPoint Setting **Maximum Alert Processing Interval**.



Edit Setting for Maximum Alert Processing Interval	
Setting Name:	Maximum Alert Processing Interval
Internal Name:	MaxAlertProcessingPeriod
Current Value:	180
New Value:	<input type="text" value="180"/>
<input type="button" value="Update"/> <input type="button" value="Cancel"/>	

NOTE: This setting applies only when ControlPoint Alerts are scheduled to run on a recurring basis at an interval measured in minutes.

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

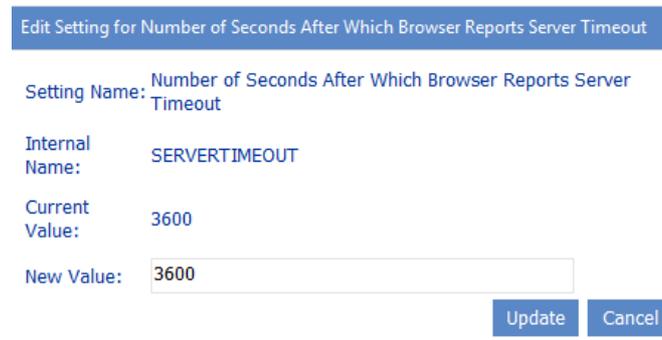
By default, the ControlPoint server timeout value is set to 60 minutes, or 3600 seconds. (The normal browser timeout value is 1.5 minutes.) This value represents the amount of time that the browser will wait for an action or analysis to complete on the server before issuing the following message:

*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**.



Edit Setting for Number of Seconds After Which Browser Reports Server Timeout

Setting Name: Number of Seconds After Which Browser Reports Server Timeout

Internal Name: SERVERTIMEOUT

Current Value: 3600

New Value:

Update Cancel

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 Ended (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.

Edit Setting for Idle Time Before Session is Ended

Setting Name:	Idle Time Before Session is Ended
Internal Name:	STIMEOUT
Current Value:	600
New Value:	<input style="width: 80%;" type="text" value="600"/>

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**.

Edit Setting for Maximum Size of Library in Which to Search for Web Parts

Setting Name:	Maximum Size of Library in Which to Search for Web Parts
Internal Name:	WEBPAGESLIMIT
Current Value:	50
New Value:	<input style="width: 80%;" type="text" value="50"/>

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**.

# Audit Log Configuration Settings

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

For settings in this category that apply to ControlPoint Sentinel for Anomalous Activity Detection, see [Changing Settings for Aomalous Activity Detection](#).

## ArchiveAuditLog Configuration Settings

The following three settings are exclusive to ControlPoint Archive Audit Log Data processing:

- **Archive Audit Log Table Connection String**
- **Web Applications to Include in Audit Logs**
- **Number of Hours Worth of Data to Archive at One Time.**

For information on using these configuration settings within the context of audit log data archiving, see [Archiving SharePoint Audit Log Data](#).

## Number of Days to Keep Audit Records (AUDITMAXDAYS)

When auditing is enabled for a SharePoint site collection (either from within SharePoint or using the ControlPoint Set Site Collection Properties feature), SharePoint keeps records of audited actions and events in the content database(s). It is from this history that ControlPoint Audit Log analyses can be run.

ControlPoint provides an option to purge audit data so that content databases are not overloaded. By default, no purging is done (as indicated by a Value of 0). ControlPoint Application Administrators can change this retention period by modifying the Value for the ControlPoint Setting Number of Days to Keep Audit Records (AUDITMAXDAYS).

Audit history is purged up to the number of days specified by the ControlPoint Discovery process



Edit Setting for Number of Days to Keep Audit Records	
Setting Name:	Number of Days to Keep Audit Records
Internal Name:	AUDITMAXDAYS
Current Value:	0
New Value:	60
<input type="button" value="Update"/> <input type="button" value="Cancel"/>	

If the default Value is kept, the audit records will never be purged. Keep in mind however, the longer audit history is retained, the more storage space it will use in content databases. Alternatively, you can archive audit log data to free up storage space using ControlPoint xcUtilities. See [Archiving SharePoint Audit Log Data](#).

## Tips for Archiving a Large Accumulation of Audit Data

If you have many months or even years' worth of accumulated data to purge, doing all of it in a single operation can be resource-intensive and can perform slowly. It is recommended, therefore, that you initially set AUDITMAXDAYS to a larger number, then incrementally reduce that number before each subsequent Discovery run until you have reached the number of days' worth that you want to retain on an ongoing basis.

### EXAMPLE:

Suppose 1,000 days' worth of audit log data has accumulated on your farm, but going forward you only want to retain 60 days' worth. Depending on the size of your farm, purging 940 days worth of data in a single operation might significantly slow down the Discovery job. To avoid this problem, you may want to initially set the AUDITMAXDAYS Value to 800 (that is, purge 200 days' worth) of audit log data. After the Discovery job has completed, you may want to bring the number down to 600 (that is, purge another 200 or so days' worth), and so on, until you have reduced the amount of audit log data in the database to a manageable amount. You can then set and leave the Value at 60, saving only the amount that you want to retain on an ongoing basis.

## Excluding Users from Audit Log Analyses (ExcludeUsersAudit)

By default, unless one or more users are specified in the People Picker, all SharePoint users are included in the ControlPoint Audit Log analysis.

ControlPoint Application Administrators can, however, exclude certain users from these analyses by entering the user account name(s) as the Value for the ControlPoint Configuration Setting Users to Exclude from Audit Log Analyses (ExcludedUsersAudit). Enter multiple account names as a comma-separated list.

You may, for example, want to exclude common system accounts such as SharePoint\System.

NOTE: You must exclude users based on *full account names* (sometimes known as pre-Windows 2000 account names in Active Directory), not display names. For example, you cannot exclude system accounts by entering the display name System Account.

Setting Name: Users to Exclude from Audit Log Analysis  
Internal Name: ExcludedUsersAudit  
Current Value:  
New Value: SharePoint\System

Update Cancel

Note that you can still run Audit Log analyses on excluded users if you enter them in the People Picker.

NOTE: Users can be excluded from permissions and activity analyses via the ControlPoint Configuration Setting [Users to Exclude from Reports \(EXCLUDEDUSERS\)](#).

## Specifying Whether to Display Site Names in Audit Log Analyses (PROCESSAUDITNAMES)

By default, ControlPoint Audit Log analysis results include name of the **Site** on which audited activity occurred. The process required for ControlPoint to collect this information is time-consuming and may affect performance, especially if the scope of the analysis is large.

Date	User	Event	Scope	Site Collection	Site	URL
2/12/2014 6:42:14 PM	System Account	Delete	Document	Alpha_Snack_Foods	Alpha_Snack_Foods	sites/alpha/Project Documents/ControlPoint Change Manager_Migrator User Guide.doc
Version -> AllVersions:   Recycle: 1   WAP: SharePoint - 80						
2/12/2014 6:42:14 PM	System Account	Delete Child	List	Alpha_Snack_Foods	Alpha_Snack_Foods	sites/alpha/Project Documents
RelatedItem -> Id: 9BC18959-660D-4012-87FF-A804F9EFB3C5   Relationship: ChildDelete   Type: 1   Location: sites/alpha/Project Documents/ControlPoint Change Manager_Migrator User Guide.doc   LocationType: 0   WAP: SharePoint - 80						
2/12/2014 6:42:30 PM	System Account	Delete	Document	Alpha_Snack_Foods	Alpha_Snack_Foods	sites/alpha/Project Documents/ControlPoint Change Manager_Migrator Installation

ControlPoint Application Administrators can, however, prevent this process from being carried out by changing the ControlPoint Configuration Setting PROCESSAUDITNAMES from True to False.

Setting Name: Process Names of Sites in Audit Log and Archive  
Internal Name: PROCESSAUDITNAMES  
Current Value: true  
New Value: True

Update Cancel

Note that, if PROCESSAUDITNAMES is set to false, you can use the url to identify the site where audited activity occurred.

Date	User	Event	Scope	Site Collection	Site	URL
1/16/2014 3:40:11 AM	System Account	View	Document	Alpha_Snackfoods		sites/alpha/default.aspx
Version -> Major: 1   Minor: 0						WAP: Clients
1/16/2014 3:40:13 AM	System Account	View	Document	Alpha_Snackfoods		sites/alpha/jamesjoyce/default.aspx
Version -> Major: 1   Minor: 0						WAP: Clients
1/16/2014 3:40:22 AM	System Account	View	List	Alpha_Snackfoods		sites/alpha/jamesjoyce/SitePages
						WAP: Clients

## Changing Settings for Anomalous Activity Detection

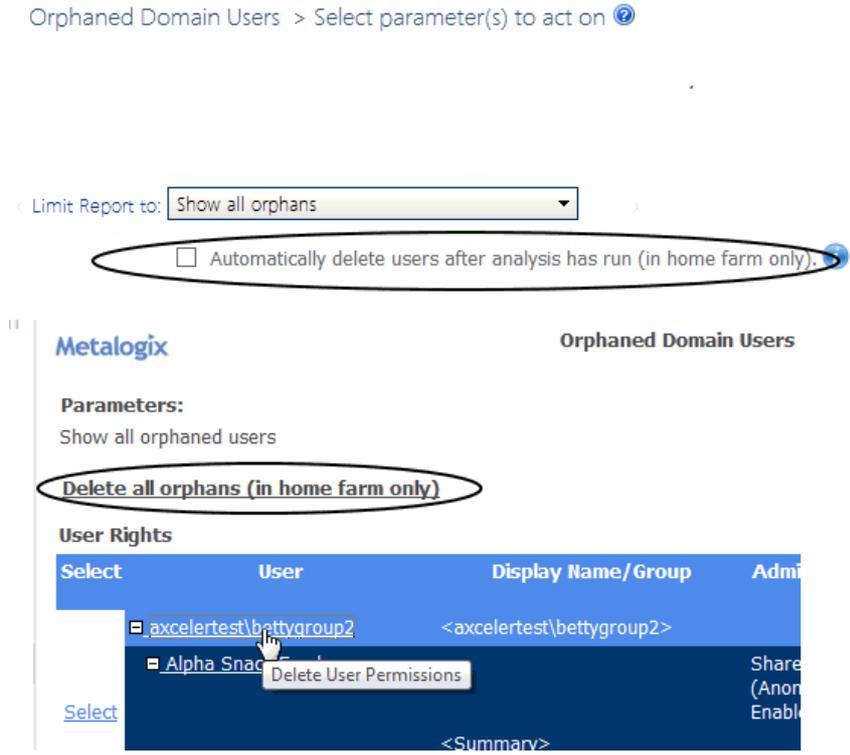
ControlPoint Sentinel Anomalous Activity Detection settings display under the category **Audit Log**:

## Restricting Functionality for Members of the Business Administrators Group

These configuration settings display in the ControlPoint Settings list under the category **Business Administrators Functionality**.

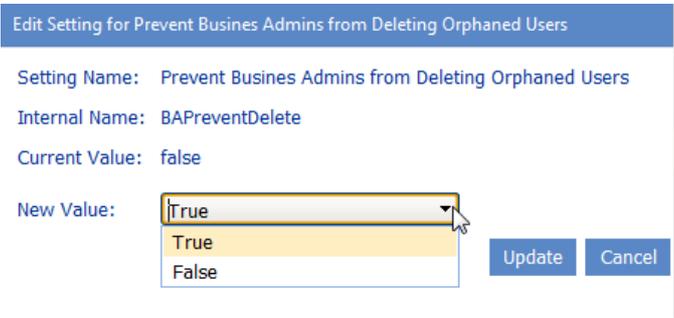
# Prevent Business Admins from Deleting Orphaned users (BAPreventDelete)

By default, Orphaned Domain User analysis results allow users to access the ControlPoint Delete Users action via hyperlinked user names and a **Delete All orphans** link in the results header.



ControlPoint Application Administrators can, however, hide the Delete All link and disable user hyperlinks for members of the Business Administrators group by changing the Value of the ControlPoint Configuration Setting **Prevent Business Admins from Deleting Orphaned Users** from *false* to *true*.

NOTE: This is an Advanced Setting.



## Prevent Business Admins from Running Cacheable Reports in Real Time (BAPreventRealTime)

By default, all ControlPoint users have the choice of running the ControlPoint Site Collection Storage analysis and many ControlPoint permissions analyses using either real-time data or data from the ControlPoint cache.

To help free up server resources and improve performance, especially in environments that include a large number of Business Administrators, the ControlPoint Application Administrator can prevent members of the Business Administrators group from choosing real-time data by changing the Value of the ControlPoint Configuration Setting **Prevent Business Admins from Running Cacheable Reports in Real Time** from *False* to *True*.



Edit Setting for Prevent Business Admins from Running Cacheable Reports in Real Time

Setting Name: Prevent Business Admins from Running Cacheable Reports in Real Time

Internal Name: BAPreventRealTime

Current Value: false

New Value:

Note that, when BaPreventRealTime=true:

- the **Use Cached Data** parameter in permissions analyses will be checked and disabled.
- the **real-time** option will be missing from the Site Collection Storage Analysis **View Storage for:** drop-down.

If the option to use real-time data is disabled, members of the Business Administrators group will also be unable to **Expand Active Directory Groups** or select users based on a SharePoint User Profile Property.

# Preventing Members of the Business Administrators Group from Emailing Scheduled Analyses (BAPreventScheduledEmail)

By default, all ControlPoint users have the option of emailing results of scheduled analyses to the recipients of their choice.

The screenshot displays the configuration interface for a scheduled analysis. It is divided into three main sections:

- Description:** Includes a text field for 'Description', an 'Output File Name' field (containing 'xcMostLeastReport'), and an 'Output Type' dropdown menu (set to 'PDF'). There is also a checkbox for 'Include Date Time stamp in file name'.
- Schedule Details:** Shows a 'Start' date of '10/13/2015 11:09 AM', a 'Recurring' checkbox, a 'Run Every' field (set to '0'), a unit dropdown (set to 'Hour(s)'), and an 'Until' date of '10/13/2015 12:09 PM'.
- Distribution Details:** This section is circled in red and contains:
  - 'Send To': A text input field for email recipients.
  - 'Subject': A text input field for the email subject.
  - 'Message': A text area for the email body.
  - 'Destination Farm': A dropdown menu currently showing '2013SharePoint'.
  - 'Add to Library List': A text input field with 'Select' and 'Clear' buttons.
  - Three checkboxes: 'Send to Admins', 'Send to Site Collection Admins', and 'Create Reports by Selection Hierarchy'.

A blue 'Schedule' button is located at the bottom center of the form.

ControlPoint Application Administrators can, however, hide this option from members of the Business Administrators group (for example, to limit the number of extremely large files that need to be handled by the email server) by changing the Value of the ControlPoint Configuration Setting BAPreventScheduleEmail from *False* to *True*.

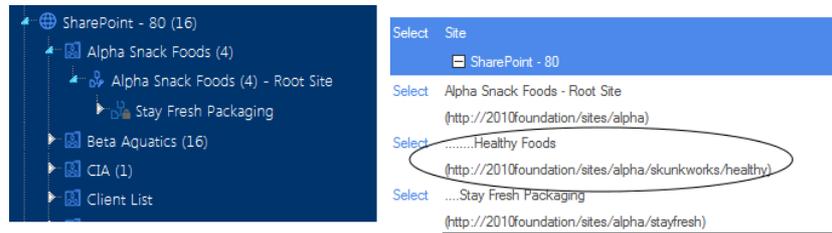
The screenshot shows the 'Distribution Details' section of the ControlPoint configuration interface. The 'Send To' field is circled in red. Other fields include 'Subject', 'Message', 'Destination Farm' (set to '2013SharePoint'), and 'Add to Library List'. There are also checkboxes for 'Send to Admins', 'Send to Site Collection Admins', and 'Create Reports by Selection Hierarchy'. A 'Schedule' button is located below the form.

This screenshot shows the same 'Distribution Details' section, but the 'Send To' field is hidden. The 'Subject' and 'Message' fields are also hidden. The 'Destination Farm' is still set to '2013SharePoint'. A blue vertical bar is visible on the left side of the form. A 'Schedule' button is located below the form.

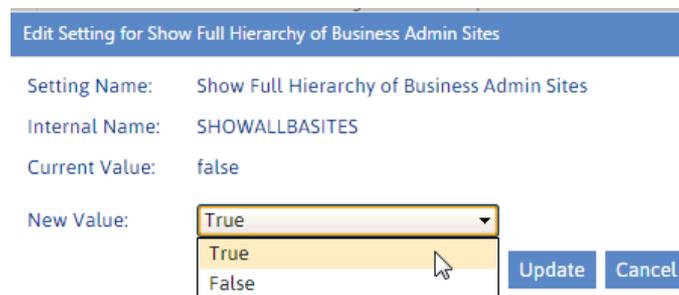
## Show Full Hierarchy of Business Admin Sites

By default, if a member of the ControlPoint Business Administrators group has permissions to manage a subsite at any level below a site collection's root site but does *not* have permissions to manage its parent, the subsite does not display in the ControlPoint SharePoint Hierarchy or object pickers.

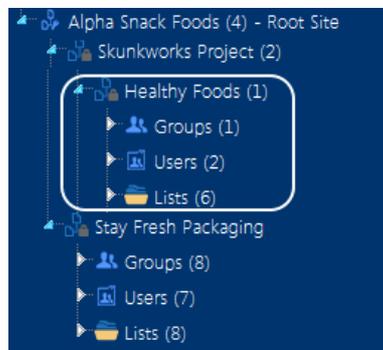
The subsite will, however, be included in a ControlPoint operation if it is within the scope of the selection.



ControlPoint Application Administrators can, however allow these sites to display by changing the Value of the ControlPoint Configuration Setting **Show Full Hierarchy of Business Admin Sites** from *false* to *true*.



Note that any parent sites within the hierarchy that the Business Administrator does not have permissions to manage will appear disabled.



NOTE: Depending on the number of sites and depth of the hierarchy, sites may take longer to load when the hierarchy is expanded if **Show Full Hierarchy of Business Admin Sites** is set to true.

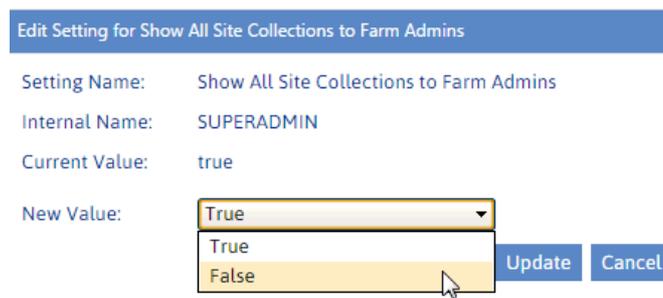
## Changing Default Settings for ControlPoint User Groups

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

## Show All Site Collections to Farm Admins (SUPERADMIN)

By default, icons for site collections to which SharePoint farm administrators do not have access appear grayed out in the ControlPoint SharePoint Hierarchy. When an icon is grayed out, farm administrators cannot access the site collection/site (or any child objects to which they do not have access) from within ControlPoint. They can, however, use the ControlPoint Set Site Collection Properties feature to add themselves as site collection administrators.

If the SharePoint farm includes site collections that contain highly sensitive or confidential data that should remain "locked down" or if corporate policy dictates that farm administrators should not see sites to which they do not have access, ControlPoint Application Administrators can change the Value of the ControlPoint Setting **Show All Site Collections to Farm Admins** from *True* to *False* so that site collections to which farm administrators do not have access are *not* displayed in the SharePoint Hierarchy.



Edit Setting for Show All Site Collections to Farm Admins

Setting Name: Show All Site Collections to Farm Admins

Internal Name: SUPERADMIN

Current Value: true

New Value:

True

False

Update Cancel

## Remote Service Account Administrators for Cross-Farm Operations (RSAADMIN)

One of the user groups that is created in the ControlPoint Configuration Site when ControlPoint is first installed allows farms with different service accounts to authorize with each other when a cross-farm copy or move is performed.

The default name that ControlPoint assigns to this group is Remote Service Account Administrators. Because of special configuration requirements, if a different name is assigned to this group then the ControlPoint Application Administrator must update the Value of the ControlPoint Setting **Remote Service Account Administrators for Cross Farm Operations** with the new name so that ControlPoint will continue to recognize it.

Edit Setting for Remote Service Account Administrators for Cross-Farm Operations  
 Setting Name: Remote Service Account Administrators for Cross-Farm Operations  
 Internal Name: RSAADMIN  
 Current Value: Remote Service Account Administrators  
 New Value:   
 Update Cancel

## Auto Add Users To ControlPoint Group Maximum Group Size (CPGroupMemberLimit)

By default, when the Auto Add Users to ControlPoint Groups action is used, any individual ControlPoint user group can have up to 1000 members.

When a ControlPoint group reaches its maximum number of users, ControlPoint automatically creates a new group with the same permissions as the "base" group.

### EXAMPLE:

If you want all users who are members of site Owners groups to be added to the ControlPoint Business Administrators group, and more than 1000 users meet that criterion:

- when Business Administrators group membership reaches 1000, a new group named Business Administrators\_1 will be created and the next 1000 users will be added to that group.
- when Business Administrators\_1 group membership reaches 1000, a group named Business Administrators\_2 will be created, and so on.

ControlPoint Application Administrators can change this limit by updating the Value of the ControlPoint Configuration Setting

### **Auto Add Users To ControlPoint Group Maximum Group Size.**

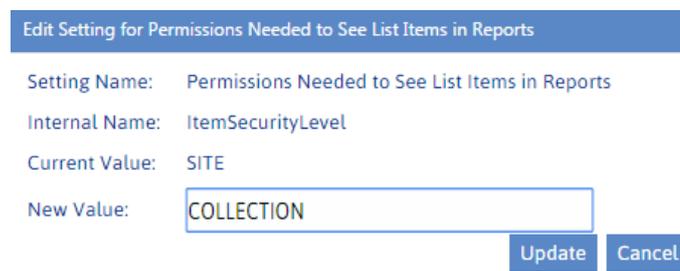
Edit Setting for Auto Add Users To ControlPoint Group Maximum Group Size  
 Setting Name: Auto Add Users To ControlPoint Group Maximum Group Size  
 Internal Name: CPGroupMemberLimit  
 Current Value: 1000  
 New Value:   
 Update Cancel

**NOTE:** This limit is enforced only when the Auto Add Users to ControlPoint Group action is used.

## Permissions Needed to See List Items in Reports (ItemSecurityLevel)

By default, the following ControlPoint analyses show list items, even those to which a ControlPoint user does not have permissions:

- Activity by User and
- Activity by Document
- Site Lists and Libraries Storage



Edit Setting for Permissions Needed to See List Items in Reports

Setting Name: Permissions Needed to See List Items in Reports

Internal Name: ItemSecurityLevel

Current Value: SITE

New Value:

Update Cancel

The ControlPoint Application Administrator can, however, tighten security trimming so that only ControlPoint users who are site collection administrators can see list items in these analyses by changing the Value of the ControlPoint Configuration Setting **Permissions Needed to See List Items in Reports** from *SITE* to *COLLECTION*.

## Business Administrators Group Name (BADMIN)

One of the user groups that is created in the ControlPoint Configuration Site when ControlPoint is first installed is intended for business users (Site Administrators) who use ControlPoint to manage their own sites. See Making ControlPoint Available to Business Users (Site Administrators) in the *ControlPoint User's Guide*.

The default name that ControlPoint assigns to this group is Business Administrators. Because of special configuration requirements, if a different name is assigned to this group then the ControlPoint Application Administrator must update the Value of the ControlPoint Setting **Business Administrators Group Name** with the new name so that ControlPoint will continue to recognize it.

NOTE: This is an Advanced Setting.

Edit Setting for Business Administrators Group Name	
Setting Name:	Business Administrators Group Name
Internal Name:	BADMIN
Current Value:	Business Administrators
New Value:	<input type="text" value="Business Administrators"/>
<input type="button" value="Update"/> <input type="button" value="Cancel"/>	

## Changing Settings to Improve Discovery Performance

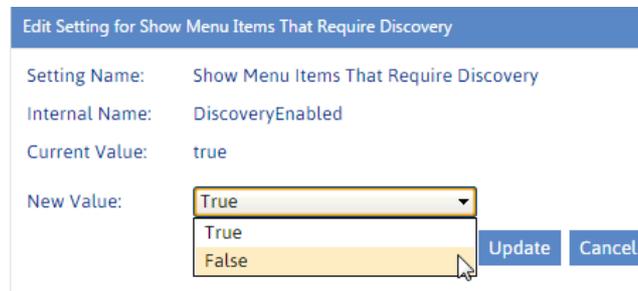
These configuration settings display in the ControlPoint Settings list under the category **Discovery Performance**.

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

When ControlPoint is first installed, the Nightly Discovery timer job is disabled by default. If the [ControlPoint Discovery Service](#) has not been configured\*, operations and parameters which depend on data collected by the Discovery process are disabled. These include:

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

ControlPoint Application Administrators can choose to enable the Nightly Discovery job (via SharePoint Central Administration) 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*.



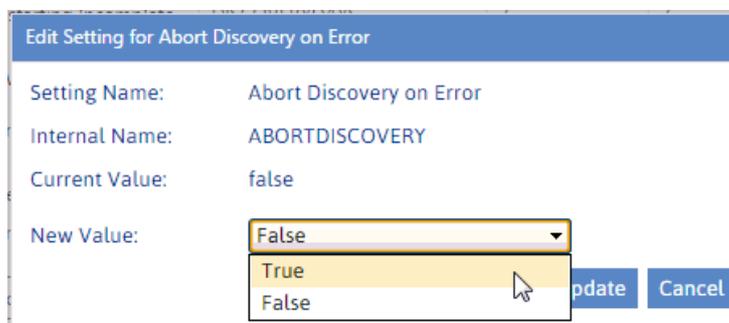
Setting Name: Show Menu Items That Require Discovery  
Internal Name: DiscoveryEnabled  
Current Value: true  
New Value: True (dropdown menu showing True and False options)  
Update Cancel

\*When the ControlPoint Discovery Service is configured, the value of this setting is set to *True* automatically.

## 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.

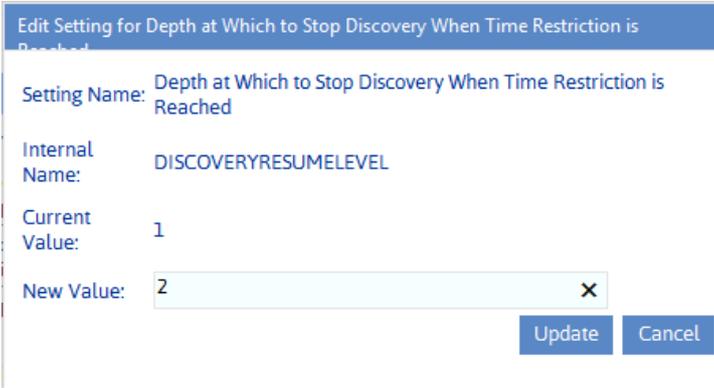


Setting Name: Abort Discovery on Error  
Internal Name: ABORTDISCOVERY  
Current Value: false  
New Value: False (dropdown menu showing True and False options)  
Update Cancel

## Depth at Which to Stop Discovery When 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.



Edit Setting for Depth at Which to Stop Discovery When Time Restriction is Reached

Setting Name: Depth at Which to Stop Discovery When Time Restriction is Reached

Internal Name: DISCOVERYRESUMELEVEL

Current Value: 1

New Value: 2

Update Cancel

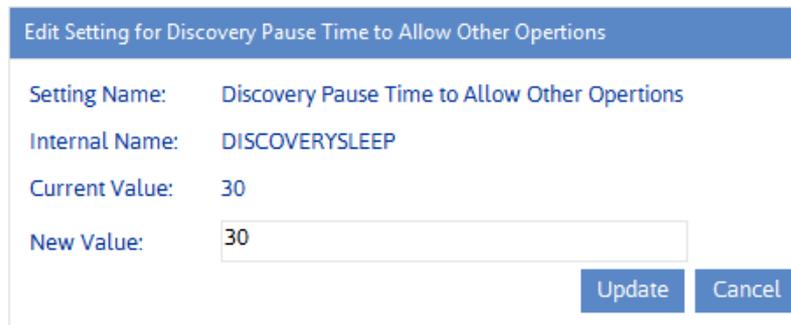
When the **Depth at Which to Stop Discovery When Time Restriction is Reached** limit is reached, Discovery will finish processing the current site and its immediate children. It will stop when it reaches the specified level within the next site in the site collection.

## Discovery Pause Time to Allow Other Operations (DISCOVERYSLEEP)

ControlPoint Discovery is a 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.



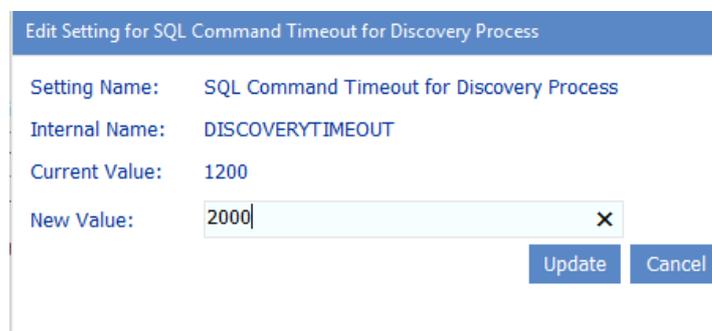
Setting Name: Discovery Pause Time to Allow Other Operations  
Internal Name: DISCOVERYSLLEEP  
Current Value: 30  
New Value: 30  
Update Cancel

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.

## SQL Command Timeout for Discovery Process (DISCOVERYTIMEOUT)

By default, any single call to SQL server during the Discovery process will time out after 1200 seconds (20 minutes). If Discovery does not complete successfully and the ControlPoint Administration Log (xcAdmin.log) indicates that a timeout has occurred, ControlPoint Application Administrators can increase the **SQL Command Timeout for Discovery Value**.



Setting Name: SQL Command Timeout for Discovery Process  
Internal Name: DISCOVERYTIMEOUT  
Current Value: 1200  
New Value: 2000  
Update Cancel

## 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**.



Edit Setting for Maximum Discovery Run Time	
Setting Name:	Maximum Discovery Run Time
Internal Name:	DISCOVERYTIMERESTRICTION
Current Value:	1260
New Value:	<input type="text" value="1260"/>
<input type="button" value="Update"/> <input type="button" value="Cancel"/>	

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](#).

## Exclude Web Parts from the Discovery (EXCLUDEWEBPARTS)

As of version 5.2.345.0, the ControlPoint Discovery process does *not*, by default, collect data about Web Parts used in your environment, which would enable administrators to generate Web Parts analyses from the ControlPoint database cache. This is because, depending on the number of Web Parts in your environment, a significant amount of the total processing time may be required. It is important to note, however, that when Web Parts are excluded from Discovery:

- Web Parts analyses can only be run on real-time (not cached) data, and
- the following list boxes will *not* be populated (that is, you will not have the option of selecting from a list of Web Parts):
  - Advanced Search - Web Parts Used
  - Web Parts by Part / Web Parts by Site - **Web Parts**.

To *include* Web Parts from the Discovery process, change the Value of the ControlPoint Setting **Exclude Web Parts from Discovery** from *True* to *False*.

**Edit Setting for Exclude Web Parts from Discovery**

Setting Name: Exclude Web Parts from Discovery

Internal Name: EXCLUDEWEBPARTS

Current Value: true

New Value:  (Dropdown menu open with options: True, False)

Update Cancel

NOTE: If you installed ControlPoint prior to version 5.2.345.0, the *default* value will be false.

## 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.

**Edit Setting for Tuning Options to Improve Discovery Performance**

Setting Name: Tuning Options to Improve Discovery Performance

Internal Name: SPEEDDISCOVERY

Current Value:

New Value:

Update Cancel

Value Component	Description
P	<p><i>Partial</i> Discovery does not discover the following elements within a site collection <i>if they have not changed</i>:</p> <ul style="list-style-type: none"> <li>• activity</li> <li>• permissions of all SharePoint users</li> <li>• Web parts, and</li> <li>• SharePoint permissions for members of the Business Administrators group</li> </ul>
D	<p><i>Full</i> Discovery does not discover the following elements within a site collection <i>if they have not changed</i>:</p>

Value Component	Description
	<ul style="list-style-type: none"> <li>activity</li> <li>permissions of all SharePoint users</li> <li>Web parts, and</li> <li>SharePoint permissions for members of the Business Administrators group</li> </ul>
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.

The screenshot shows a dialog box titled "Edit Setting for Site Collections to Exclude from Full Discovery". It contains the following information:

- Setting Name: Site Collections to Exclude from Full Discovery
- Internal Name: URLEXCLUDE
- Current Value: (empty field)
- New Value: alpha,beta (with a clear 'X' button next to the input)

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

**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."

## Web Applications to Exclude from Full Discovery (WAPEXCLUDE)

By default, the ControlPoint Full Discovery process runs on all Web applications in a SharePoint farm. ControlPoint Application Administrations can, however, *exclude* one or more (up to a maximum of 6) Web applications 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 Web applications, either as-needed or on a one-time or recurring schedule).

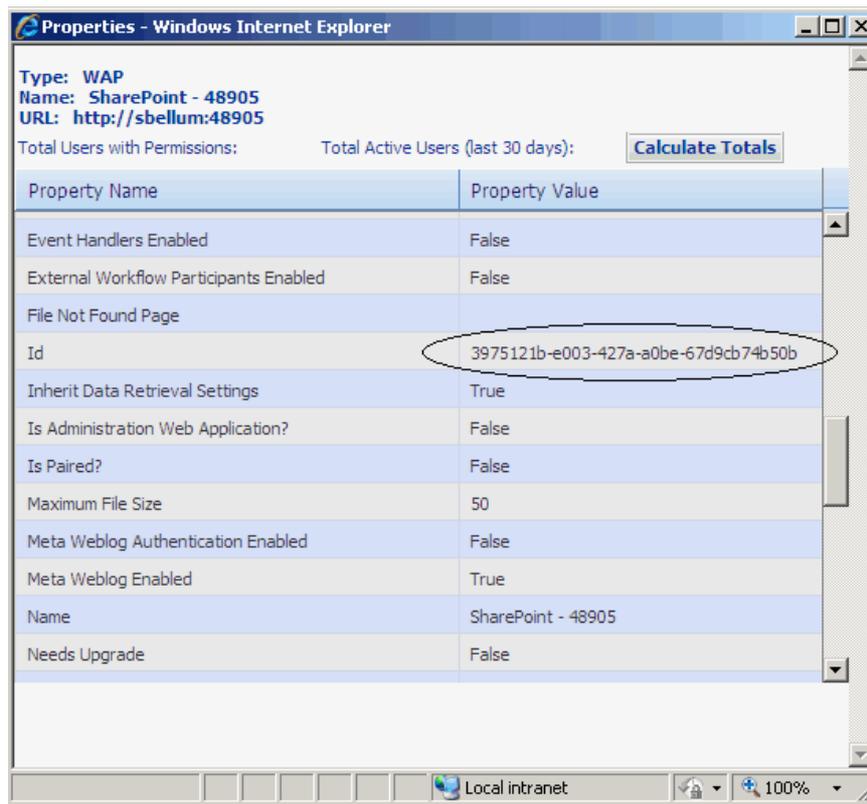
It may be useful, for example, if the Web application that hosts your MySites is large and time-consuming to "discover." You can exclude that Web application from the Full Discovery process and run a Partial Discovery on a less frequent schedule, when system usage is low (such as on the weekend). See also [Running a Full or Partial Discovery Manually](#) in the *ControlPoint User's Guide*.

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

To exclude a Web application from the Full Discovery process, enter the Web application's GUID as the Value of the ControlPoint Setting **Web Applications to Exclude from Full Discovery**. Use the following guidelines:

- 1 To locate a Web application's GUID, select the Web application in the ControlPoint Farm Hierarchy, right-click and choose **Properties**.

- 2 Copy the Id's Property Value and paste it directly into the Value field.



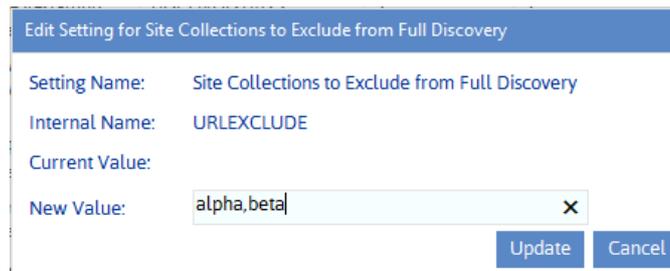
- 3 Repeat steps 1 and 2 for each Web application you want to exclude (up to a maximum of 6). Use a comma (,) to separate each GUID in the list.

## Changing Settings to Accommodate Special Environmental Factors

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

# Alternate Access Mapping Zone for Navigation and Report Links (URLZONE)

By default, the url specified for a Web application's Default zone is used to open SharePoint pages from within the ControlPoint application interface.



Edit Setting for Site Collections to Exclude from Full Discovery

Setting Name: Site Collections to Exclude from Full Discovery

Internal Name: URLEXCLUDE

Current Value:

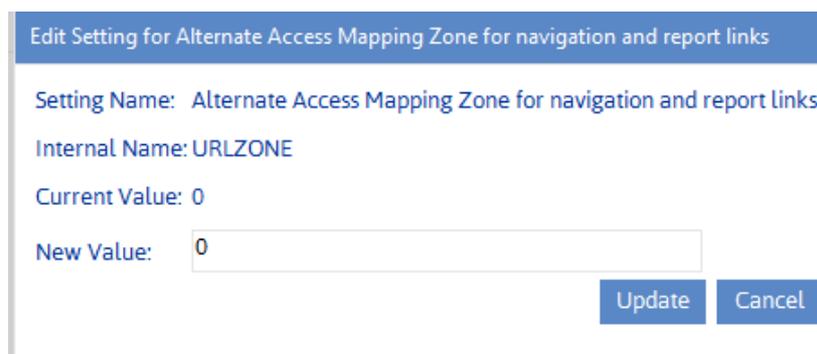
New Value:

Update Cancel

If you use alternate access mappings, ControlPoint may be unable to use the url in the Default zone because of the way it is configured. For example, if you are using TLS or SSL to implement https and the Default zone uses the https protocol, ControlPoint would not be able to access the site directly from that url. Therefore, it would have to be configured to use the url in a zone that would allow direct access.

ControlPoint Application Administrators can change the zone that ControlPoint uses by modifying the Value of the ControlPoint Setting **Alternate Access Mapping Zone for Navigation and Report Links**.

NOTE: This is an Advanced Setting.



Edit Setting for Alternate Access Mapping Zone for navigation and report links

Setting Name: Alternate Access Mapping Zone for navigation and report links

Internal Name: URLZONE

Current Value: 0

New Value:

Update Cancel

Valid values are

- 0 (Default)
- 1 (Intranet)
- 2 (Internet)
- 3 (Custom)
- 4 (Extranet)
- -1 (always use the url for the zone from which the user accessed ControlPoint)

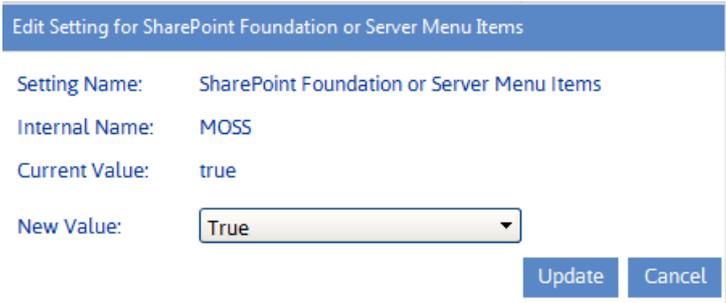
# Enable SharePoint Server Functionality (MOSS)

When ControlPoint is first installed the installer automatically detects whether the SharePoint farm is Foundation-only or Server and automatically populates the Value in the ControlPoint Settings list item MOSS with the appropriate value:

- "MOSS" value = *true* (for MOSS/Server), or
- "MOSS" value = *false* (for WSS/Foundation-only)

Note on terminology: WSS is the 2007 equivalent of SharePoint Foundation, and MOSS is the 2007 equivalent of SharePoint Server.

If the SharePoint environment changes (for example, the farm is upgraded from WSS-only to MOSS) a ControlPoint Application Administrator must update the Value of the ControlPoint Setting MOSS in order to run fully functional ControlPoint Activity analyses and to enable menu access to those SharePoint functions that are not available in a WSS-only farm.

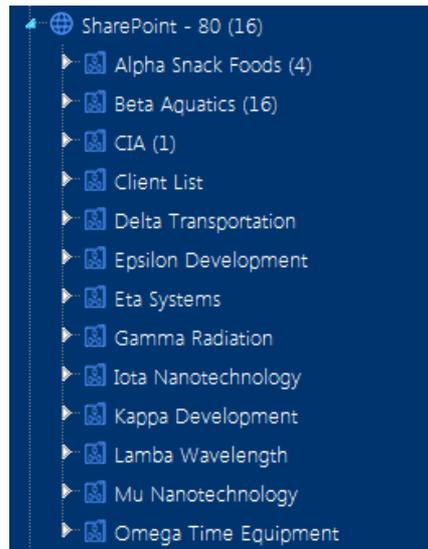


# Changing Default Settings for Navigation

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 the first time a Web application is expanded or when the SharePoint Hierarchy or page is refreshed.



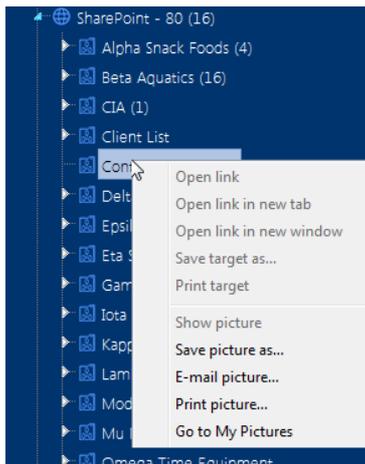
In an especially large SharePoint environment in which the user administers a large number of site collections within a Web application, the load-time may be significant. ControlPoint Application Administrators can, therefore, postpone security trimming until a Site Collection is expanded by changing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



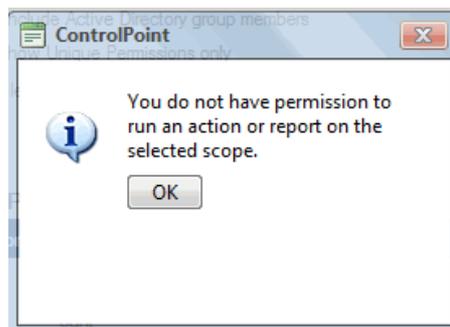
When this setting is true:

- 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 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.



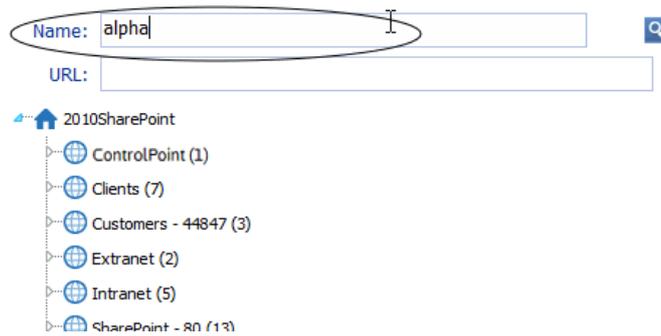
NOTE: Because all site collections will display in the SharePoint Hierarchy when this setting is enabled, it is recommended for use only with exceptionally large SharePoint environments where long loading time is an issue, and ideally, for which ControlPoint users are administrators for most (or all)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

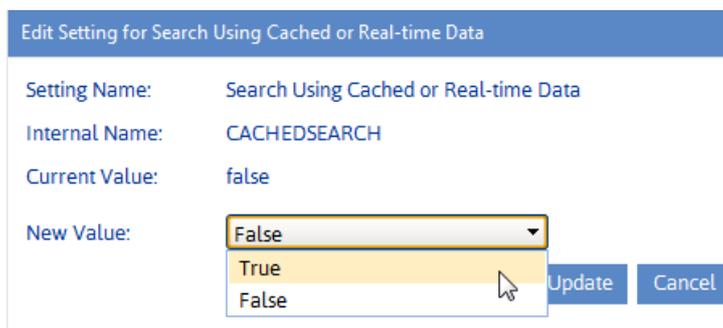
- Copy/Move destination selection



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.

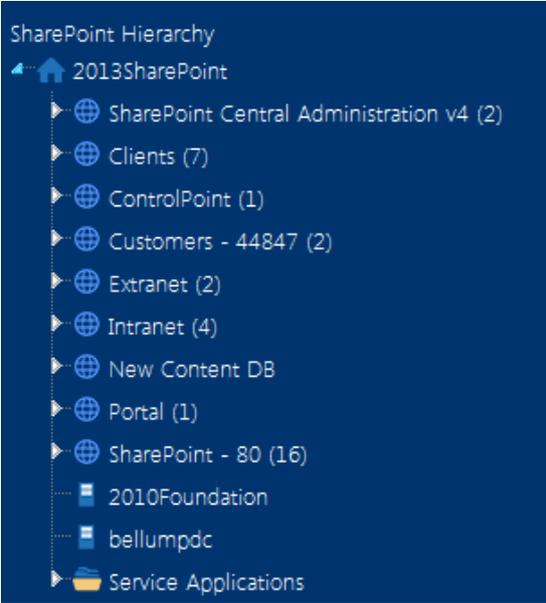
# How to Display Multiple Farms in SharePoint Hierarchy (FARMNAVIGATION)

By default, if ControlPoint is running as a multi-farm installation, all farms in the installation display in the SharePoint Hierarchy, with the home farm expanded and the remote farms collapsed. ControlPoint Application Administrators can, however, change the way farms display in the SharePoint Hierarchy by updating the Value of the ControlPoint Configuration Setting **How to Display Multiple Farms in SharePoint Hierarchy**.

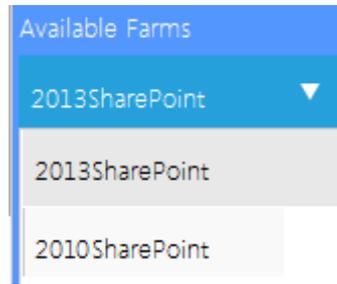


Valid values are:

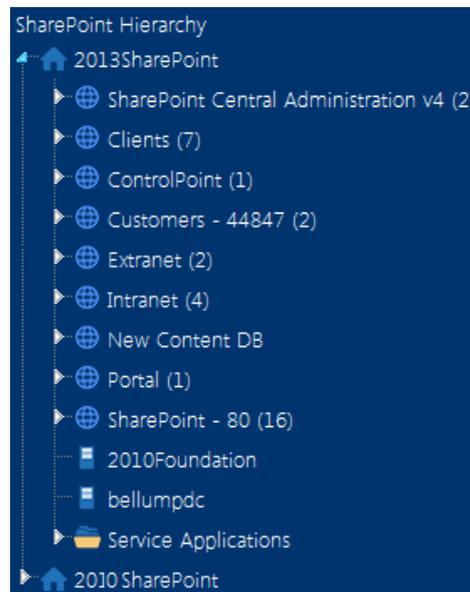
- 1 - Display home farm only.



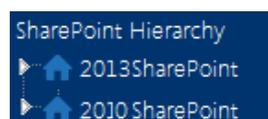
If you choose this option, users can switch between farms using the drop-down in the ControlPoint application header.



**2** (default) - Display home farm expanded and remote farm(s) collapsed.



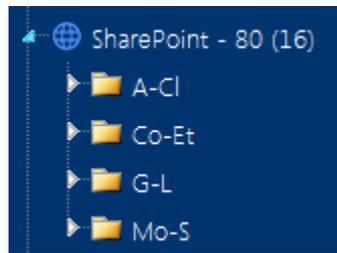
**3** - Display all farms collapsed



## 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.

A screenshot of a dialog box titled 'Edit Setting for Maximum Number of Objects to Display Before Foldering'. The dialog contains the following text: 'Setting Name: Maximum Number of Objects to Display Before Foldering', 'Internal Name: NAVCAP', 'Current Value: 45', and 'New Value: 45'. The 'New Value' is entered in a text input field. At the bottom right of the dialog are two buttons: 'Update' and 'Cancel'.

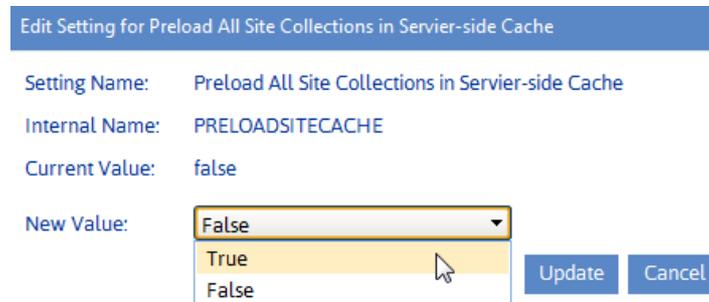
This setting applies to site collections, sites, and lists. The maximum number of SharePoint *users* and *groups* that display beneath a site are configured via different parameters. See:

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

## 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.

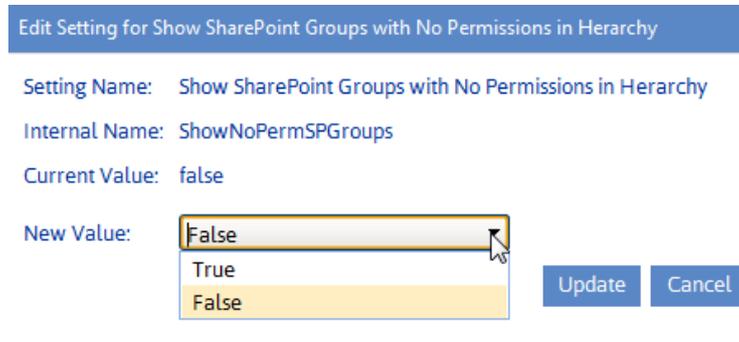
ControlPoint Application Administrators can, however, choose to display groups without permissions in the ControlPoint application interface by changing the Value of the ControlPoint Configuration Setting ShowNoPermSPGroup from the default (false) to either:

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

OR

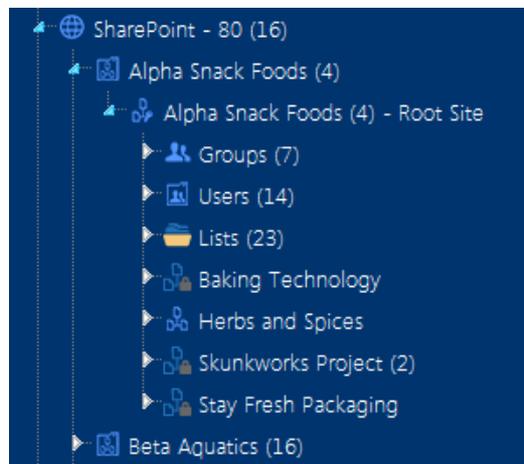
- **False** (to have groups without permissions display in group pickers but *not* in the SharePoint Hierarchy).

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.



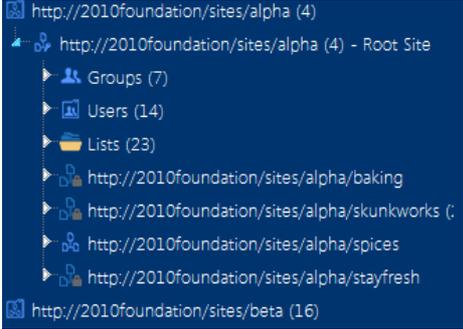
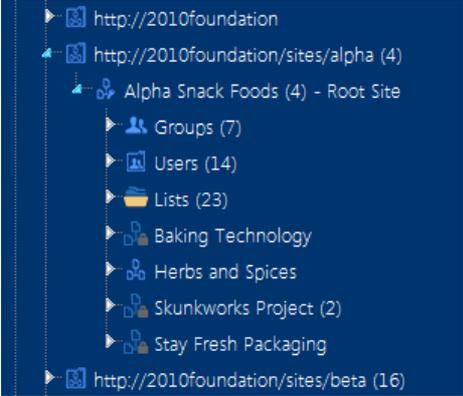
## Display url or Site Name in SharePoint Hierarchy (SHOWURLASTITLE)

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	<b>true.</b>

If you want to have...	Then change the Value for SHOWURLASTITLE to ...
sites identified by url	 <p>A screenshot of a SharePoint hierarchy view. The root node is 'http://2010foundation/sites/alpha (4)'. Underneath it are several sub-nodes: 'http://2010foundation/sites/alpha (4) - Root Site', 'Groups (7)', 'Users (14)', 'Lists (23)', and four sub-site collections: 'http://2010foundation/sites/alpha/baking', 'http://2010foundation/sites/alpha/skunkworks (.', 'http://2010foundation/sites/alpha/spices', and 'http://2010foundation/sites/alpha/stayfresh'. At the bottom level, there is another site collection 'http://2010foundation/sites/beta (16)'.</p>
<ul style="list-style-type: none"> <li>• site collections identified by url</li> <li>and</li> <li>• sites identified by name</li> </ul>	<p><b>SiteColOnly.</b></p>  <p>A screenshot of a SharePoint hierarchy view. The root node is 'http://2010foundation'. Underneath it is 'http://2010foundation/sites/alpha (4)'. Underneath that is 'Alpha Snack Foods (4) - Root Site'. This root site has several sub-nodes: 'Groups (7)', 'Users (14)', 'Lists (23)', 'Baking Technology', 'Herbs and Spices', 'Skunkworks Project (2)', and 'Stay Fresh Packaging'. At the bottom level, there is another site collection 'http://2010foundation/sites/beta (16)'.</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.



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

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

Internal Name: SPUSERCAP

Current Value: 45

New Value:

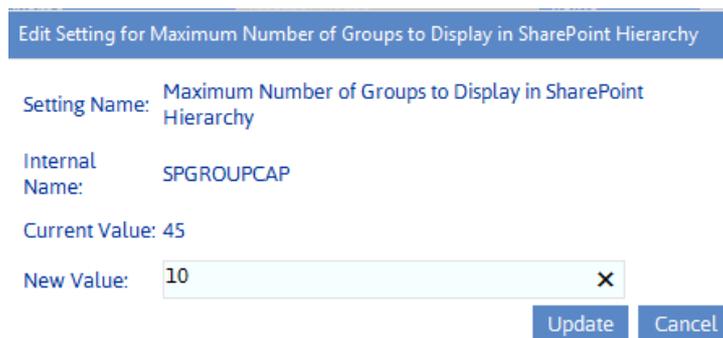
Update Cancel

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.)

## Managing Site Provisioning Settings

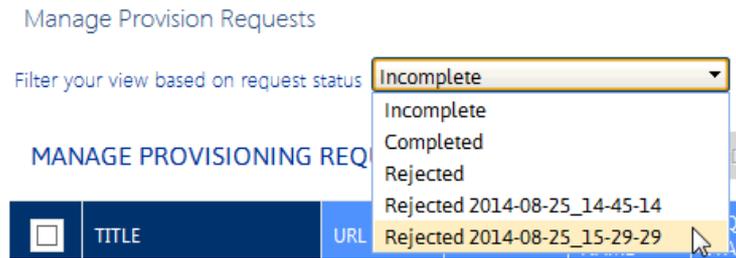
These configuration settings display in the ControlPoint Settings list under the category **Provisioning**.

### 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 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	<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.

# Configuring the Site Provisioning Workflow Settings (SharePoint Server)

As an alternative to approving site provisioning requests manually, via the Manage Site Provisioning Requests interface, you can use a workflow—either a SharePoint "out of the box" approval workflow or one that was created or customized using SharePoint Designer—to manage the Site Provisioning approval process.

If you are using a workflow, the following ControlPoint Settings must be configured:

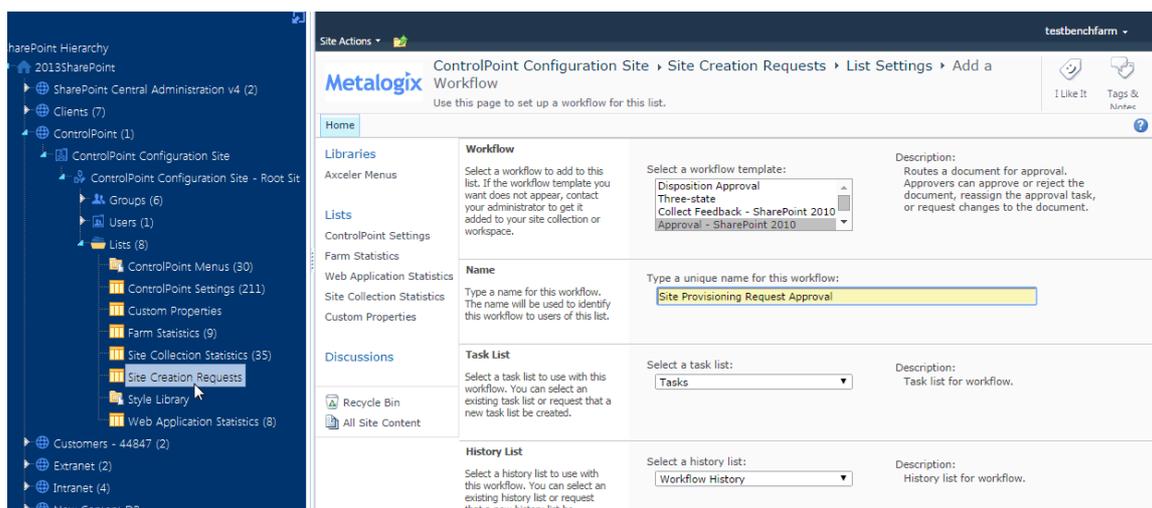
- **WorkflowName**
- **Workflow Account**
- **WorkflowApprovedValue**
- **WorkflowRejectedValue**

In addition, if you want to be able to have workflows auto-start, extra configuration may be required.

NOTE: SharePoint Approval workflows are not available for SharePoint Foundation.

## Before configuring Site Provisioning workflow settings:

Add and configure the approval workflow you want to use on the ControlPoint Configuration Site - Site Creation Requests list following standard SharePoint practices.



## Specifying the Name of the Workflow Used for Site Provisioning Requests

To identify the workflow that should be used for the Site Provisioning approval process, enter the name of the workflow as the Value of the ControlPoint Setting **Name of Workflow Used for Site Provisioning Requests**.

Note that having a Value for this setting enables display of the workflow column in the Manage Provision Requests grid.

Edit Setting for Name of Workflow Used for Site Provisioning Requests

Setting Name: Name of Workflow Used for Site Provisioning Requests

Internal Name: WorkflowName

Current Value:

New Value:  ✕

Update Cancel

## Specifying the Account for Starting the Provisioning Approval Workflow

Most ControlPoint operations are performed by the ControlPoint Service Account on behalf of the logged in user. However, because SharePoint does not allow a system account to start a workflow, you must specify a different account to use for this purpose. The account that you specify for **Account for Starting the Provisioning Approval Workflow** must have permissions to start a workflow on the ControlPoint Configuration Site - Site Creation Requests list.

NOTE: For the **Value**, be sure to enter the *full* user login name.

Edit Setting for Name of Workflow Used for Site Provisioning Requests

Setting Name: Name of Workflow Used for Site Provisioning Requests

Internal Name: WorkflowName

Current Value:

New Value:  ✕

Update Cancel

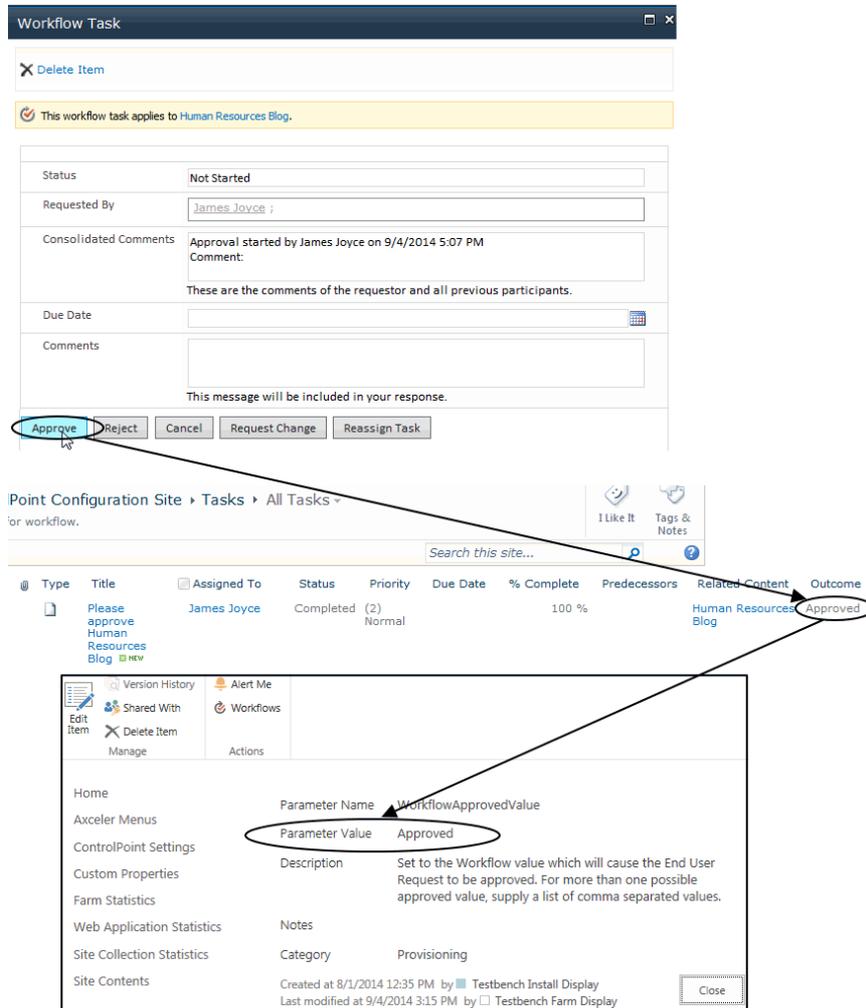
## Specifying Provisioning Request Approval Value(s) for the Workflow

Any status that indicates an approval in the SharePoint workflow used for the Site Provisioning approval process must be synchronized with the "Approved" status in ControlPoint. This will allow

a "custom" status—and will even allow more than one possible status—to be used to indicate approval of a Site Provisioning request.

To do this, enter the Approved status (or statuses) associated with the workflow as the Value of the ControlPoint Setting **Provisioning Request Approval Value for Workflow**.

NOTE: Enter multiple values as a comma-separated list (for example, Approved,OK).

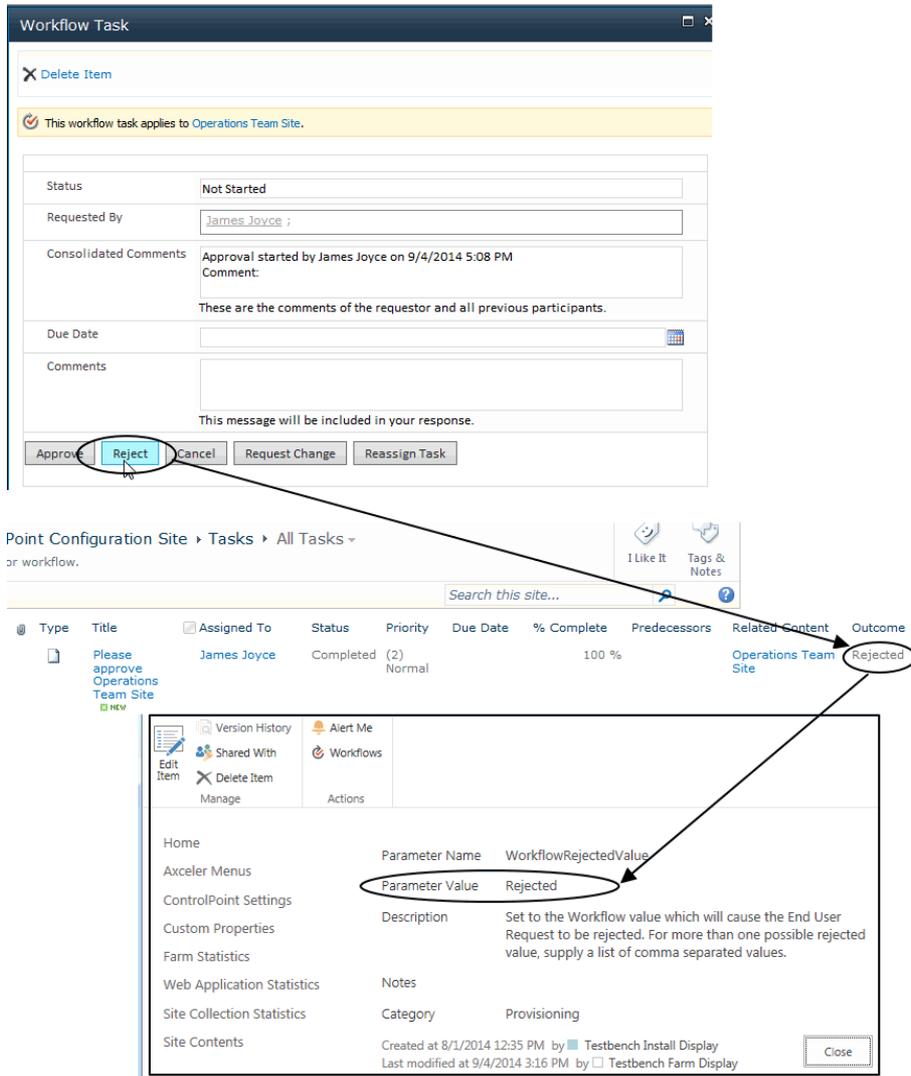


## Specifying Provisioning Request Rejected Value(s) for the Workflow

Any status that indicates a rejection in the SharePoint workflow used for the Site Provisioning approval process must be synchronized it the "Rejected" status in ControlPoint. This will allow a "custom" status—and will even allow more than one possible status—to be used to indicate rejection of a Site Provisioning request.

To do this, enter the Rejected status (or statuses) associated with the workflow as the Value of the ControlPoint Setting **Provisioning Request Rejected Value for Workflow**.

NOTE: Enter multiple values as a comma-separated list (for example, Rejected,No).

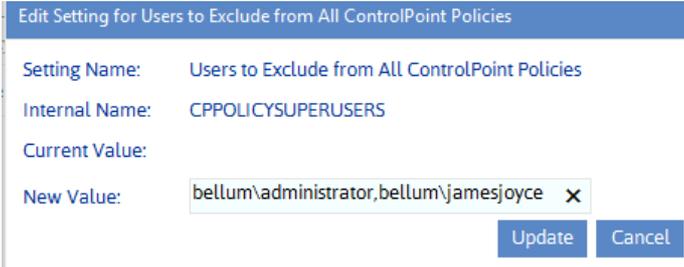


## Specifying Global Settings for ControlPoint Policies

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

## Users to Exclude from All ControlPoint Policies (CPPOLICYSUPERUSERS)

By default, when you apply a ControlPoint policy to users, all users included in the **User Selection** will be included in the policy. ControlPoint Application Administrators can, however, exclude specified users from *all* ControlPoint policies by entering one or more user names (in the format domain\user) in the Value field of the ControlPoint Configuration Setting **Users to Exclude from All ControlPoint Policies**. Enter multiple names as a comma-separated list.



Edit Setting for Users to Exclude from All ControlPoint Policies

Setting Name: Users to Exclude from All ControlPoint Policies

Internal Name: CPPOLICYSUPERUSERS

Current Value:

New Value:

Update Cancel

For example, you may want to exclude from all policies:

- the ControlPoint Service Account, to allow administrators to perform actions such as Delete Site and Copy/Move actions in ControlPoint. (Remember, ControlPoint actions are actually carried out by the ControlPoint Service Account rather than the logged in user).
- all accounts operating as the System Account (sharepoint\system), which may include, but not be limited to, the ControlPoint Service Account.
- farm administrators.

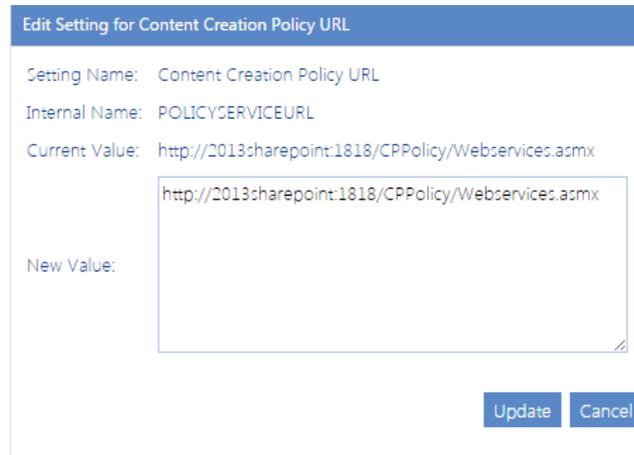
NOTE: You must exclude users based on *full account names* (sometimes known as pre-Windows 2000account names in Active Directory), not display names. For example, you cannot exclude system accounts by entering the display name System Account.

Users specified in this setting will *always* be excluded from *all* policies, including any policies to which they have been explicitly added.

## Content Creation Policy url (POLICYSERVICEURL)

When a ControlPoint policy is created that uses a content creation rule, a custom Web service must be set up which runs whenever content is added to a site within the scope of the policy. For example, you may want to be notified whenever a document is posted that contains "flagged" content.

If such a policy is to be implemented, the full service url to the location of the Web service must be the Value for the ControlPoint Configuration Setting **Content Creation Policy url**.



Setting Name: Content Creation Policy URL  
Internal Name: POLICYSERVICEURL  
Current Value: http://2013:sharepoint:1818/CPPolicy/WebServices.asmx  
New Value: http://2013:sharepoint:1818/CPPolicy/WebServices.asmx  
Update Cancel

NOTE: In order to simulate the environment in which it will be used, it is recommended that the functionality be tested on the Web front-end server on which ControlPoint is installed while logged in as the ControlPoint Service account.

## 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.

Edit Setting for Number of Minutes Scheduler Will Wait Before Next Group of Jobs  
 Setting Name: Number of Minutes Scheduler Will Wait Before Next Group of Jobs  
 Internal Name: OVERIDESCHEDULETIMERMINUTES  
 Current Value: 10  
 New Value:   
 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.

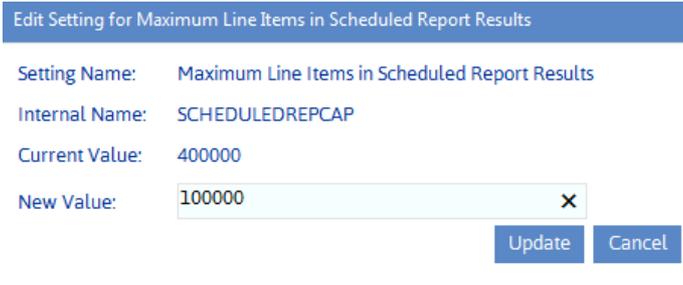
## Maximum Line Items in Scheduled Report Results (SCHEDULEDREPCAP)

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**.



Edit Setting for Maximum Line Items in Scheduled Report Results

Setting Name: Maximum Line Items in Scheduled Report Results

Internal Name: SCHEDULEDREPCAP

Current Value: 400000

New Value:

Update Cancel

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 open)

- 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:

Buttons: Update, Cancel

NOTE: Only one permissions level may be entered.

## 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.

Edit Setting for SQL Server Connection String for xcAdmin Database	
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:	<input type="text" value="Data Source=qa2013foundatio;Initial Catalog=xcAdm"/>
<input type="button" value="Update"/> <input type="button" value="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).

If you cannot connect to ControlPoint to update this setting:

- 1 Open the ControlPoint Configuration Site.
- 2 Navigate to the ControlPoint Settings list.
- 3 Under the category Miscellaneous and Custom, open **xcAdmin Connection String** and edit as necessary.

## 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.

Edit Setting for Initial Screen

Setting Name: Initial Screen

Internal Name: INITSCREEN

Current Value: `http://qa2010farmvm3:1818/Lists/Site%20Collection%20Statistics/`

`http://qa2010farmvm3:1818/Lists/Site%20Collection%20Statistics/allitems.aspx`

New Value:

Update
Cancel

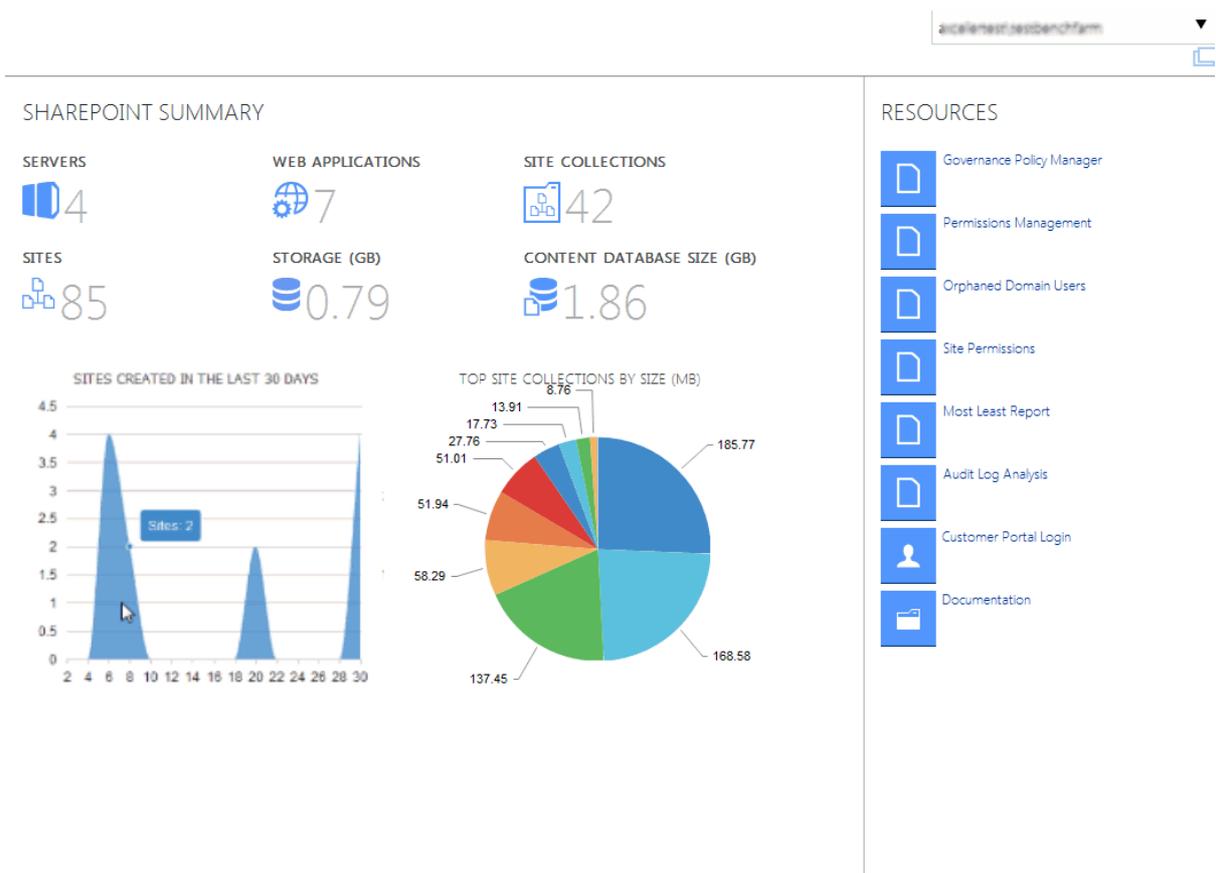
The screenshot shows the Metalogix ControlPoint web interface. The main content area displays a table titled "ControlPoint Configuration Site > Site Collection Statistics > All Items". The table has the following columns: Site Collection Name, URL, # Sites, # Lists, # Files, Total Size (MB), Requests Last Day, and #. The table contains several rows of data, including entries for "Absence and Vacation Schedule", "Blank Site", "Budget Tracking", "ControlPoint Configuration Site", "DC BUG239152-1", "DC BUG239152-2", and "Recycle Bin".

Site Collection Name	URL	# Sites	# Lists	# Files	Total Size (MB)	Requests Last Day	#
Absence and Vacation Schedule (excluded from Discovery)	http://qa2010farmvm3:24832/sites/Schedule	2	30	238	4.27	0	
Blank Site (excluded from Discovery)	http://qa2010farmvm3:24832/sites/blanksite	2	18	157	1.89	0	
Budget Tracking (excluded from Discovery)	http://qa2010farmvm3:24832/sites/budget	1	19	1,457	2.96	0	
ControlPoint Configuration Site	http://qa2010farmvm3:1818	1	18	405	2.9	0	
DC BUG239152-1	http://qa2010farmvm3:36969	1	23	265	52.53	0	
DC BUG239152-1	http://qa2010farmvm3	1	23	264	27.51	0	
DC BUG239152-2 (excluded from Discovery)	http://qa2010farmvm3:36969/sites/DC_BUG239152-2	1	23	265	52.53	0	
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.

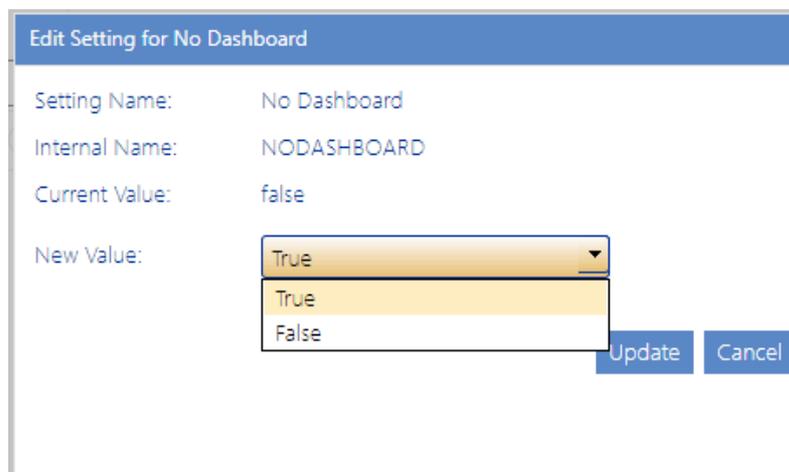
## No Dashboard (NODASHBOARD)

By default, if you are using ControlPoint with SharePoint 2013 or later (Non-Standard installation) 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.



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

# Special-Purpose Configuration Settings

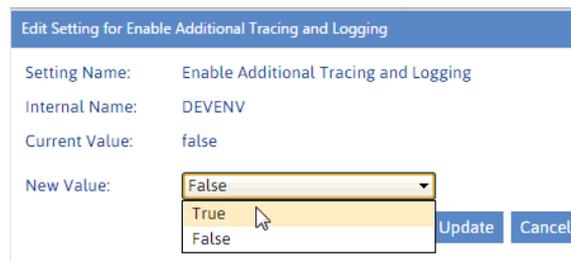
## Enable Additional Tracing and Logging (DEVENV)

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

```
Error
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.
```

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 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].
```

# Cross-Farm SSP Configuration

The following settings allow ControlPoint to access activity data when a cross-farm Service Application is created on a farm other than the one on which ControlPoint is installed.

NOTE: These are Advanced Settings.

## Global Logging Database Connection Settings

- **Connection String for Global Logging Database on Different Farm (GLOBALSP)**

Setting Name:	Connection String for 2010 or 2013 Global Logging Database on Different Farm
Internal Name:	GLOBALSP
Current Value:	Data Source=2013OtherFarm;Initial Catalog=WSS_Logging;Persist Security Info=True;Integrated Security=True
New Value:	Data Source=2013OtherFarm;Initial Catalog=WSS_Lo;

Update Cancel

- **Web Apps Connected to Global Logging Database on Different Farm (GLOBALSPWAPS)**

Setting Name:	Web Apps Connected to 2010 or 2013 Global Logging Database on Different Farm
Internal Name:	GLOBALSPWAPS
Current Value:	f80f4acc-2c96-436c-9f18-9729c1b427d0,aa4a107d-de7c-443a-a649-5f2fce3d01e1c2c61579-c987-4030-83dc-3aa75f6d1aa6
New Value:	f80f4acc-2c96-436c-9f18-9729c1b427d0,aa4a107d-d;

Update Cancel

## Global Web Analytics Database Connection Settings

- **Connection String for Web Analytics Reporting Database on Different Farm (GLOBALWASP)**
- **Web Apps Connected to Web Analytics Reporting Database on different Farm (GLOBALWASPWAPS)**

## Look for Site Collection Admin Users in Active Directory Groups (SiteAdminAD)

By default, if an Active Directory Group is a Site Collection Administrator, ControlPoint does not look inside the group to determine if a logged in user is a member of that group in order to calculate permissions.

ControlPoint Application Administrators can, however, have ControlPoint look for Site Collection Administrators within Active Directory groups by changing the ControlPoint Setting Look for Site Collection Admin Users in Active Directory Groups (SiteAdminAD) from *false* to *true*.

NOTE: Be aware that if ControlPoint is required to look for users within Active Directory groups, processing time may increase.

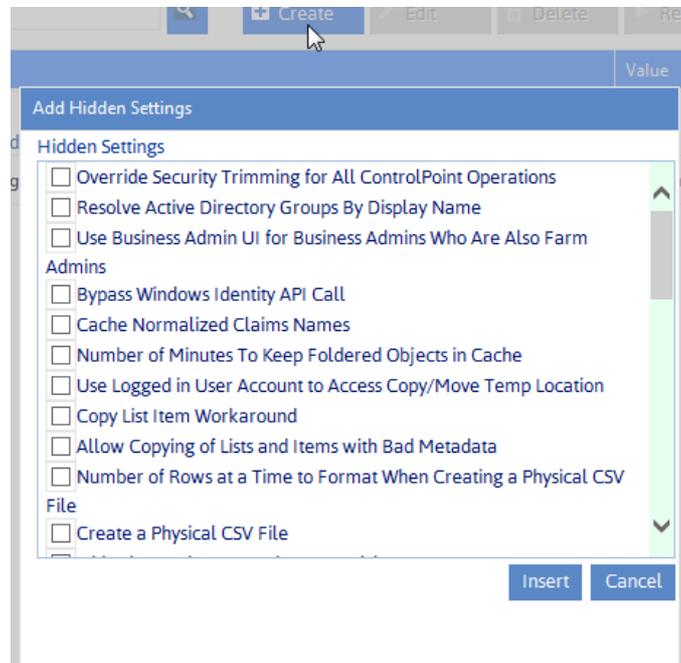
## Created (Hidden) Settings

"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.

## Created Settings to Override ControlPoint Default Security

By default, ControlPoint is security trimmed to enforce SharePoint permissions. ControlPoint Application Administrators can, however, override these permissions to allow user groups that have been defined in the ControlPoint Configuration site to perform ControlPoint analyses and/or actions on site collections and sites for which they do not have management permissions.

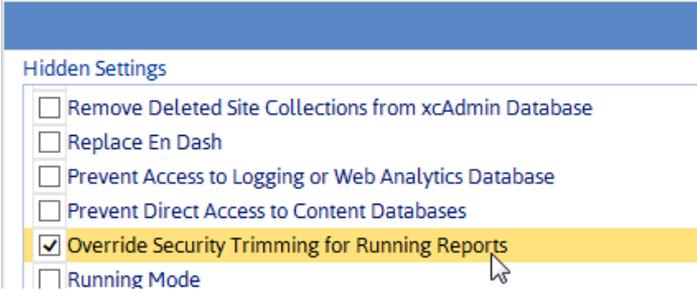
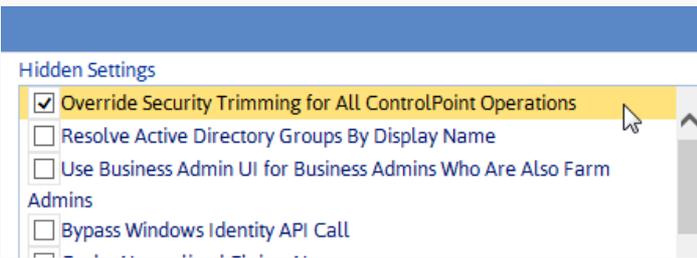
You can use security overrides in conjunction with [Customizing ControlPoint Menus](#) to tailor your ControlPoint environment to best suit the needs of your organization.

NOTE: These settings do not override a user's permissions for the SharePoint sites themselves. (For example, it will not give a user permission to open a SharePoint site or make changes via SharePoint site settings pages if they have not been granted permissions to do so in SharePoint. Nor will a user who does not have permissions for Central Administration be able to use ControlPoint menu items that directly invoke Central Administration pages.)

## To add security override to ControlPoint

NOTE: Because the use of security overrides should involve careful consideration and planning, they are createable (hidden) settings.

- 1 From the ControlPoint Configuration Settings Manager, click **[Create]** .
- 2 Use the information in the following to determine the appropriate action to take

If you want to ...	Choose ...
<p>allow members of one or more ControlPoint user groups to perform data analyses for any site collection or site in the farm</p>	<p><b>Override Security Trimming for Running Reports.</b></p>  <p>The screenshot shows a settings page with a blue header. Below it is a section titled 'Hidden Settings' with a list of checkboxes:         <ul style="list-style-type: none"> <li><input type="checkbox"/> Remove Deleted Site Collections from xcAdmin Database</li> <li><input type="checkbox"/> Replace En Dash</li> <li><input type="checkbox"/> Prevent Access to Logging or Web Analytics Database</li> <li><input type="checkbox"/> Prevent Direct Access to Content Databases</li> <li><input checked="" type="checkbox"/> <b>Override Security Trimming for Running Reports</b></li> <li><input type="checkbox"/> Running Mode</li> </ul> </p>
<p>allow members of one or more ControlPoint user groups to perform ControlPoint actions <i>and</i> analyses on any site collection/site in the farm</p>	<p><b>Override Security Trimming for All ControlPoint Operations.</b></p>  <p>The screenshot shows a settings page with a blue header. Below it is a section titled 'Hidden Settings' with a list of checkboxes:         <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> <b>Override Security Trimming for All ControlPoint Operations</b></li> <li><input type="checkbox"/> Resolve Active Directory Groups By Display Name</li> <li><input type="checkbox"/> Use Business Admin UI for Business Admins Who Are Also Farm Admins</li> <li><input type="checkbox"/> Bypass Windows Identity API Call</li> </ul> </p> <p>CAUTION: Because implications of taking actions are much more significant than viewing data, it is recommended that ControlPoint Application Administrators use extreme care when configuring this setting. (Remember that you can also customize ControlPoint menus to give groups of users access to a subset of actions. See <a href="#">Guidelines for Creating Customized Menus for Different Groups of Users.</a>)</p>

- 3 Navigate to the new setting and open it for editing.
- 4 For **New Value**, enter the name of each ControlPoint group whose security trimming you want to override.

NOTE: If you want to extend this privilege to more than one group, enter the group names in a comma-separated list (with no spaces between group names). If you want to extend it to all ControlPoint groups, enter **ALL**.

Edit Setting for Override Security Trimming for Running Reports

Setting Name: [Override Security Trimming for Running Reports](#)

Internal Name: RPTSECOVRW

Current Value:

New Value:  ✕

Update
Cancel

## Additional Created Settings

Because of potential environmental implications, the majority of "created" settings should be configured only under special circumstances and with guidance from [Quest Support](#).

Add Hidden Settings

Hidden Settings

- Resolve Active Directory Groups By Display Name
- Use Business Admin UI for Business Admins Who Are Also Farm Admins
- Bypass Windows Identity API Call
- Cache Normalized Claims Names
- Number of Minutes To Keep Foldered Objects in Cache
- Use Logged in User Account to Access Copy/Move Temp Location
- Copy List Item Workaround
- Allow Copying of Lists and Items with Bad Metadata
- Number of Rows at a Time to Format When Creating a Physical CSV File
- Create a Physical CSV File
- Hide SharePoint Groups in Group Picker
- Prevent Discovery from Deleting Data in Mirror Tables

Insert
Cancel

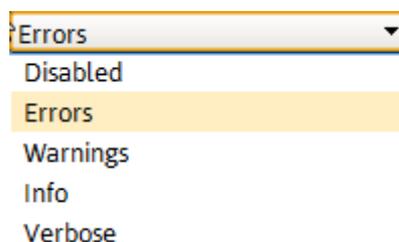
# Changing Trace Switch Logging Levels

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



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

<b>If you want to change the logging level for...</b>	<b>Edit the following setting ...</b>
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
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

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# Archiving SharePoint Audit Log Data

ControlPoint xcUtilities is a utility that includes functionality for moving SharePoint audit log data from content databases in your SharePoint farm to an external database, allowing you to free up space in content databases without losing this data. For example, archiving would be valuable if your organization is subject to regulations that require certain types of audit data be retained. The schema for the external database is provided, allowing you to report and analyze archived data using standard SQL-based tools.

If your organization is not subject to regulatory requirements and/or you simply want to purge SharePoint audit log data from content databases, use the ControlPoint Setting [Number of Days to Keep Audit Records](#).

By default, the process archives data from all Web applications. You can, however, choose to include only Web applications that you specify (for example, only those that contain audit log data that is subject to regulatory requirements) using ControlPoint Configuration settings.

## How the Audit Log Archiving Process Works

As part of the setup process, the table where archived audit log data will be stored is created in an external SQL database.

Whenever the archive process is run (which may be from the xcUtilities interface, from a command line, the ControlPoint application interface, or through Windows Task Scheduler), the process carries out the following actions:

- 1 Checks the parameter value of the ControlPoint Configuration Setting `ArchiveAuditLogIncludeWeb`

Applications for a list of Web applications for which audit log data should be archived. If the parameter value is null, all Web applications will be included in the archive process.

**EXCEPTION:** If the archive process was initiated from the ControlPoint application interface, all selected objects will be included, regardless of this setting.

See also [Specifying the Web Applications to Include in the Archiving Process](#).

- 2 For each Web application to be processed:
  - a) Uses the date for the earliest audit record in the content database(s) for the selected Web application as the start date.

- b) Retrieves audit log records within the Web application that were created between the start date and the next process interval date, as determined by the ControlPoint Configuration Setting ArchiveAuditLogProcessInterval.

NOTE: By default, the process interval is one (1) hour, but this value can be changed. See [Changing the Archive Audit Log Process Interval \(Optional\)](#).

- c) Writes the audit data for the process interval to the external database table as a database transaction.

NOTE: If an exception occurs, data will not be committed to the external database, the transaction will be rolled back, and the archiving process will stop. Exception conditions will be captured in the ControlPoint Task Audit.

- d) Once the audit records have been committed to the external database, deletes the corresponding records from the content database.

NOTE: If an exception occurs during the deletion of audit records for a site collection, all the records for the site collection with the current task ID will be removed from the external database (to prevent duplication of data that still exists in the content database), and the archiving process will stop. Exception conditions will be captured in the ControlPoint Task Audit.

- e) Advances to the next process interval and repeats substeps b) - d) until the last date to be processed (as determined by the user-specified “number of days to keep in SharePoint”) is reached.

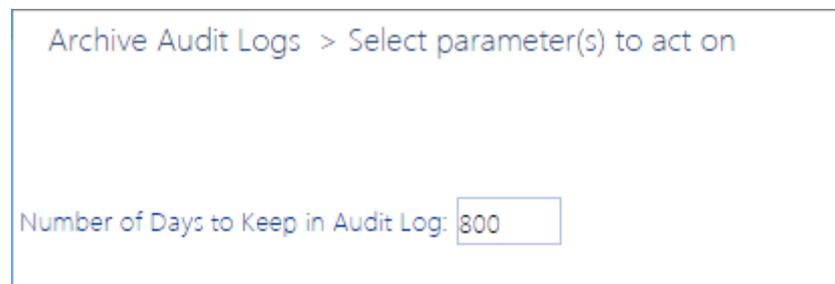
- 3 Repeats Step 2 for each Web application to be processed.

## Tips for Archiving a Large Accumulation of Audit Data

If you have many months or even years' worth of accumulated data to archive, doing all of it in a single operation can be resource-intensive and can perform slowly. When you run the audit log archive process, however, you have the option of specifying the number of days' worth of audit log data to keep in the database. If, however, you have many months or even years' worth of accumulated data to archive, doing all of it in a single operation can be resource-intensive and can bog down your system. It is recommended, therefore, that when you initially run the archiving operation you specify a relatively large amount of data to retain, then incrementally reduce that number with each subsequent run of the operation until you have reached the number of days' worth that you want to retain on an ongoing basis.

EXAMPLE:

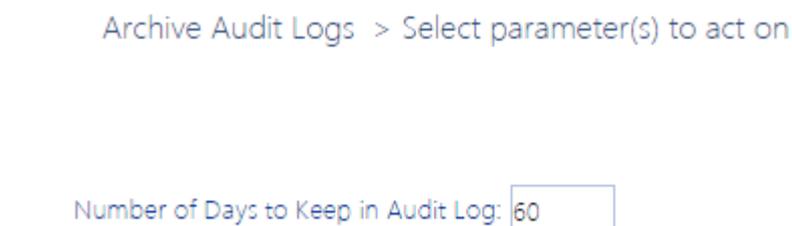
Suppose 1,000 days' worth of audit log data has accumulated on your farm, but going forward you only want to retain 60 days' worth. Depending on the size of your farm, archiving 940 days worth of data in a single operation might tie up the system for several hours. To avoid this problem, the first time you run the process you may want to choose to save 800 days' worth (that is, archive 200 days' worth) of audit log data.



Archive Audit Logs > Select parameter(s) to act on

Number of Days to Keep in Audit Log:

The next time you run the operation, you may want to bring the number down to 600 (that is, archive another 200 or so days' worth), and so on, until you have reduced the amount of audit log data in the database to a manageable amount. You can then schedule the operation to run on a regular basis, saving only the amount that you want to retain on an ongoing basis.



Archive Audit Logs > Select parameter(s) to act on

Number of Days to Keep in Audit Log:

## Setting Up the Audit Log Data Archive

The archive setup process consists of the following tasks:

- Creating the Audit\_Log\_Transfer Database table, where archived audit log data will be stored.
- Adding the connection string for the database where the Audit\_Log\_Transfer Database table resides to the ControlPoint application.

## Creating the Audit\_Log\_Transfer Database Table

The first step in the process of setting up an audit log data archive is to create the Audit\_Log\_Transfer table. You can create this table on the server and in the database of your choice. It is important to note, however, that the archiving process does not compress audit log data, but rather transfers it “as is” from the content database tables to the Audit\_Log\_Transfer

table. (Think of this table as a data warehouse.) Therefore, you should keep space requirements in mind when selecting the location for this table, especially if you are archiving data from large, active site collections for which an extremely large number of audit records may be generated.

## Log in Account Requirements:

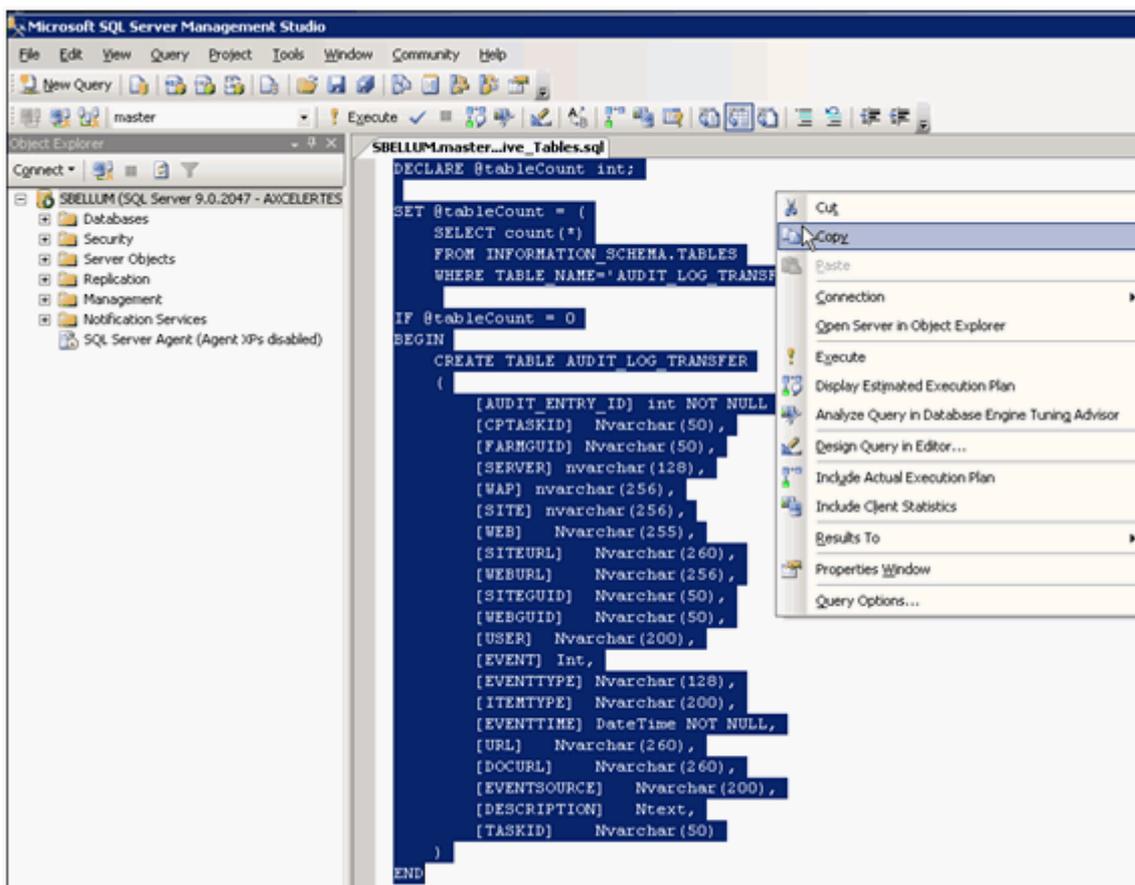
On the server that hosts the database to which you want to archive audit log data, you must be logged in with an account that has permissions to create a new database table in the selected database.

TIP: You may want to consider logging in as the ControlPoint Service Account. Because it is the account that actually writes records into the database, you would not need to grant permissions to any other account.

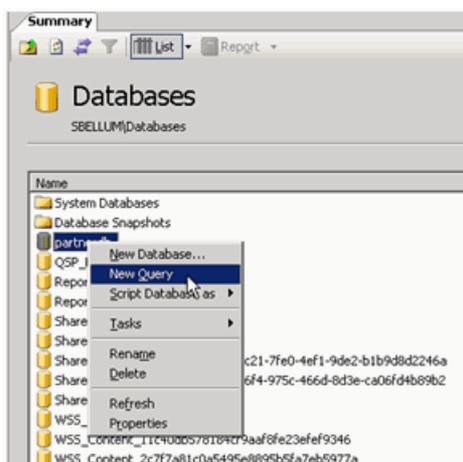
## To create the Audit\_Log\_Transfer Database Table:

- 1 If you want the audit archive data to reside in a new database, create that database on the appropriate server.
- 2 On the Web front-end server on which ControlPoint was initially installed, navigate to the folder **C:\Program Files\Metalogix\ControlPoint\ControlPointFeatures\Packages**.
- 3 If you will be creating the Audit\_Log\_Transfer Database Table on a different server, copy the file **script\_create\_audit\_archive\_tables.adt** to that server.
- 4 Open the file **script\_create\_audit\_archive\_tables.adt** in SQL Server Management Studio.

- Copy all of the text in the file.



- In the Object Explorer (left pane), select the database in which you want to create the archive table.
- Right click and choose **New Query**.



- Paste the text that you copied into the right pane.
- From the **Query** menu or toolbar, choose **Execute** to create the Audit\_Log\_Transfer table in the selected database.

# Archive Audit Log Table Connection String (ArchiveAuditLogConnectionString)

Before the archive process can be run, you must add the connection string for the database on which the Audit\_Log\_Transfer Database Table was created to the ControlPoint Configuration Setting **Archive Audit Log Table Connection String**.

TIP: You can copy and paste the Value from the ControlPoint Configuration Setting [SQL Server Connection String for XcAdmin Database](#), and update the following values:

- For **Data Source=**, the name of the server on which the Audit\_Log\_Transfer Database Table resides.
- For **Initial Catalog=**, the name of the database in which the Audit\_Log\_Transfer Database Table was created.



The screenshot shows a dialog box titled "Edit Setting for Archive Audit Log Table Connection String". It contains the following fields:

- Setting Name: Archive Audit Log Table Connection String
- Internal Name: ArchiveAuditLogConnectionString
- Current Value: Data Source=qa2013foundatio;Initial Catalog=AuditLogArchive;Persist Security Info=True;Integrated Security=True (This field is circled in red in the image)
- New Value: Data Source=qa2013foundatio;Initial Catalog=AuditLc

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

## Running the Archive Audit Log Process

You can run the archive audit log process using any of the following methods:

- For the entire farm or for individual Web applications, from the ControlPoint application interface
- On the server where ControlPoint xcUtilities resides:
  - From the xcUtilities interface
  - From a command line
  - On a one-time or recurring basis, through Windows Task Scheduler

## Log in Account Requirement:

On the server that hosts the content databases containing the audit log data you want to archive, you must be logged in with an account that has administrative privileges for every Web application that you intend to include in the archive process.

## Running the Archive Process from the ControlPoint Application Interface

You can archive audit log data for the entire farm or for individual Web applications from the ControlPoint application interface. This is especially useful before moving a site collection, because once a site collection has been deleted from the source location its audit log data remains in the content database and becomes "orphaned."

- 1 From the Manage ControlPint tree, choose **ControlPoint Management > Audit Log Archive**.

Archive Audit Logs > Select scope to act on

Next, define parameter(s) to act on >

Control-click to select multiple items from the left side. Right-click for additional options.

Check check-boxes to include all children of the item.

Apply Cancel

Run Now

Reset

Save As

- 2 In the Available items section, select either the farm node or the individual Web applications whose audit log data you want to archive.

- 3 Select the Parameters tab then enter the **Number of Days to Keep in Audit Logs** (that is, any audit log data that has been captured before this time period will be archived). If you want to archive all audit log data before deleting or moving a site collection, enter 0.

The screenshot shows a web interface for archiving audit logs. At the top, it says "Archive Audit Logs > Select parameter(s) to act on". Below this, there is a label "Number of Days to Keep in Audit Log:" followed by a text input field containing the number "60". To the right of the main content area is a vertical sidebar with a blue header and several menu items: "SELECTION", "PARAMETERS" (which is highlighted with a dark blue background), "SCHEDULE", and "RESULTS". At the bottom of the sidebar, there are two blue buttons: "Run Now" with a play icon and "Reset" with a circular arrow icon.

Now you can:

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

OR

- schedule the operation to run at a later time or on a recurring basis.

OR

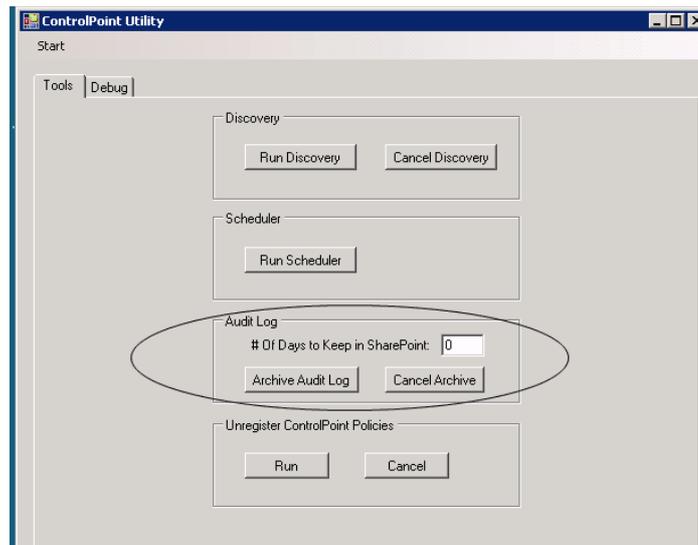
- save the operation as XML Instructions that can be run at a later time.

## Running the Archive Process from the ControlPoint xcUtilities Interface

**To run the archive process from the ControlPoint xcUtilities interface:**

- 1 On the Web front-end server where the archive was set up, open xcUtilities.exe, located in **C:\Program Files\Metalogix\ControlPoint\ControlPointFeatures**.
- 2 Under **Archive Audit Log**, enter the **# Of Days to Keep in SharePoint**.

Any audit log data that has been captured before this time period will be archived.



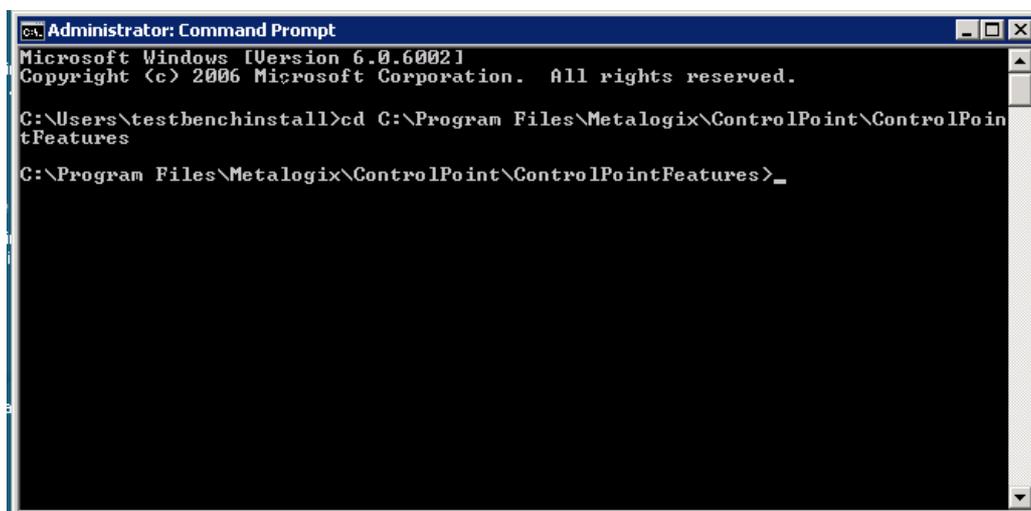
- 3 To initiate the archive process, click [**Archive Audit Log**].

NOTE: If you click [**Cancel Archive**] after the process has been initiated, the utility will finish archiving data for the current process interval before ending.

## Running the Archive Process from a Command Line

To run the archive process from a command line:

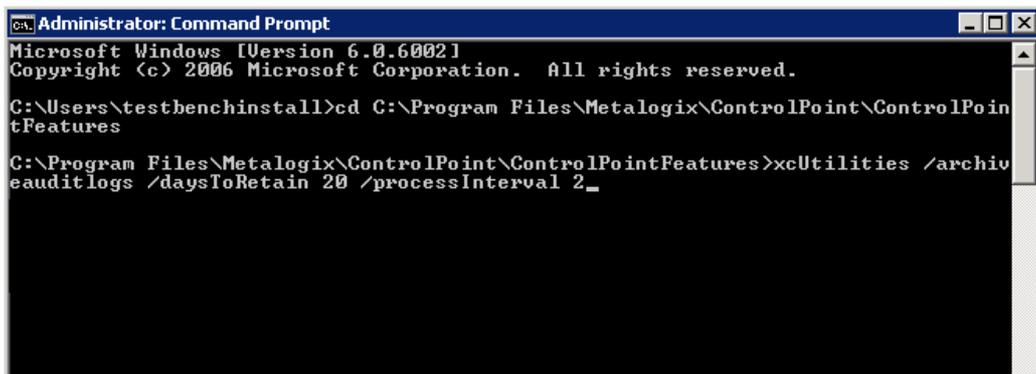
- 1 On the Web front-end server where the archive was set up, open a command window and point to **C:\Program Files\Metalogix\ControlPoint\CotrolPointFeatures**.



- 2 Enter the string: **xcUtilities /archiveauditlogs /daystoretain <#days>**

where <# days> is an integer representing the number of days worth of audit log that you want to retain (that is, any audit log data that has been captured before this time period will be archived).

NOTE: You can also include the optional argument **/processInterval <override>** if you want to override the ControlPoint Configuration Setting **ArchiveAuditLogProcessInterval** with an integer representing the number of hours' worth of archive data to process at one time.



```
Administrator: Command Prompt
Microsoft Windows [Version 6.0.6002]
Copyright (c) 2006 Microsoft Corporation. All rights reserved.

C:\Users\testbenchinstall>cd C:\Program Files\Metalogix\ControlPoint\ControlPointFeatures

C:\Program Files\Metalogix\ControlPoint\ControlPointFeatures>xcUtilities /archiveauditlogs /daysToRetain 20 /processInterval 2_
```

## Scheduling the Archive Process via Windows Task Scheduler

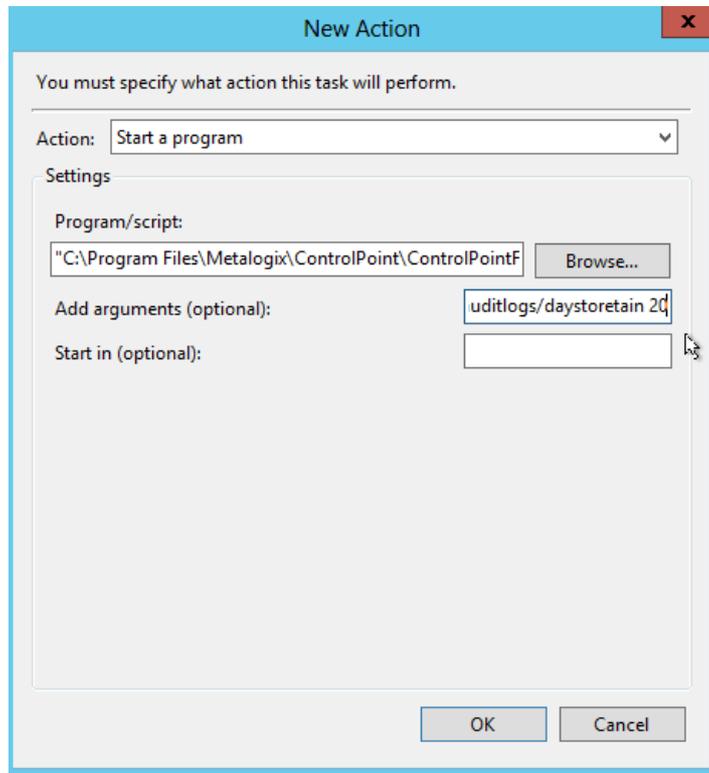
### To schedule the archive process:

- 1 On the Web front-end server where the archive was set up, open the Windows Task Scheduler and Initiate a scheduled task.
- 2 Complete the **Action** dialog as follows:
  - a) For **Action**, make sure **Start a Program** is selected.
  - b) For **Program/script**, enter (or browse to) the following path:  
**C:\Program Files\Metalogix (or Axceler)\ControlPoint\ControlPointFeatures (or AxcelerFeature)\xcUtilities**

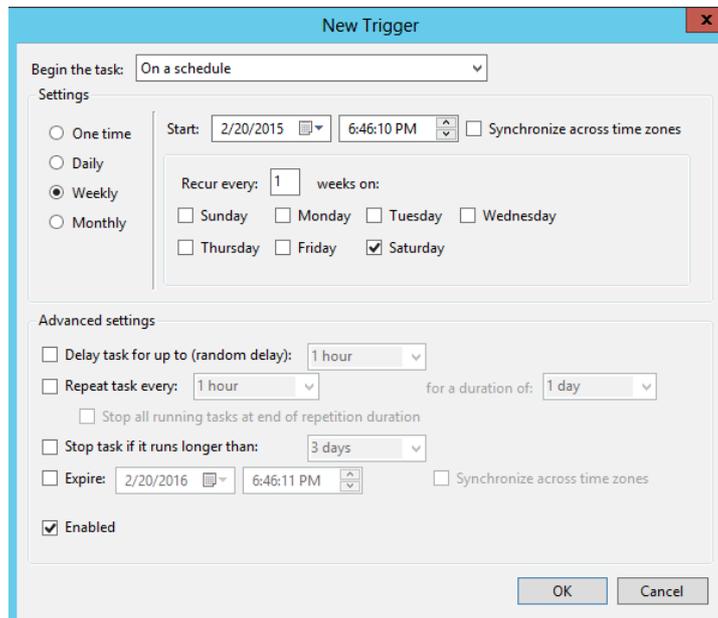
NOTE: For a 64-bit operating system, the program directory is **Program Files (x86)** only if you first installed ControlPoint prior to version 4.5.

- c) For **Add arguments**, enter **/archiveauditlogs /daystoretain <#days>**  
where <# days> is an integer representing the number of days worth of audit log data that you want to retain (that is, any audit log data that has been captured before this number of days will be archived).

NOTE: You can also include the optional argument `/processInterval <override>` if you want to override the ControlPoint Configuration Setting `ArchiveAuditLogProcessInterval` with an integer representing the number of days' worth of archive data to process at one time.



- 3 Complete the **Trigger** dialog with the scheduling information that is appropriate for your environment.



# Managing Archive Audit Log Configuration Settings

The following archive audit log configuration settings are managed within the ControlPoint Configuration site:

- **ArchiveAuditLogConnectionString** – the connection string for the database where the Audit\_Log\_Transfer Database table resides. See [Adding the Database Connection String to ControlPoint](#).
- **ArchiveAuditLogIncludedWebApplications** – a list of Web application GUIDs that you want to include in the archive process (if different than the default, which is all Web applications in the SharePoint farm).
- **ArchiveAuditLogProcessInterval** – the number of hours' worth of data that is processed at one time (if different from the default, which is one (1) hour).

See also [Modifying ControlPoint Configuration Settings](#).

## Specifying the Web Applications to Include in the Archiving Process

By default, the ControlPoint audit log archive process runs on all Web applications in the SharePoint farm. ControlPoint Application Administrations can, however, specify which Web applications that they want to include in the process (for example, only those that are subject to regulatory requirements).

NOTE: Web applications that you choose to include in the audit log archiving process will automatically be excluded from the purge process (as determined by the [Number of Days to Keep Audit Records](#)), to ensure that the purge process will not run before data is archived.

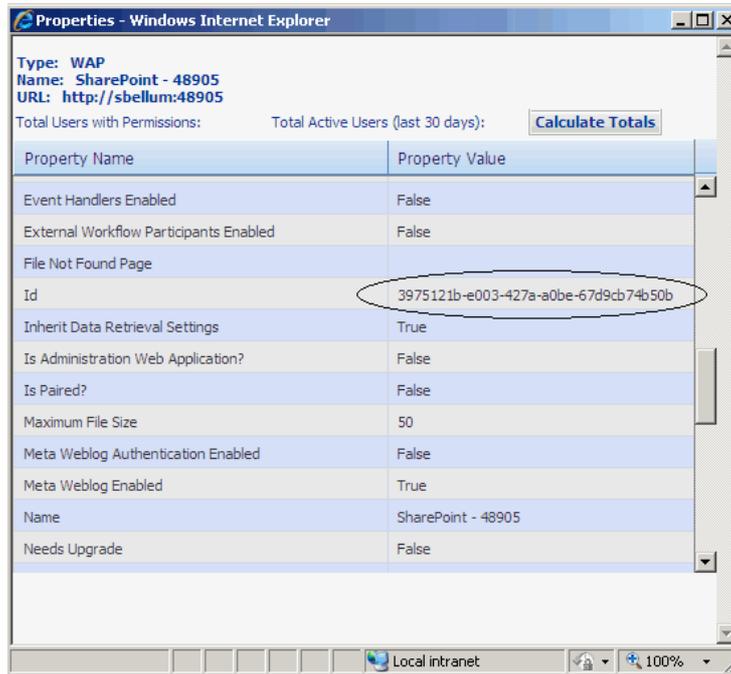
### To specify Web applications to include in the archiving process:

Enter the Web application's GUID as the Value of the ControlPoint Setting Edit Settings for **Web Applications to Include in Audit Logs**.

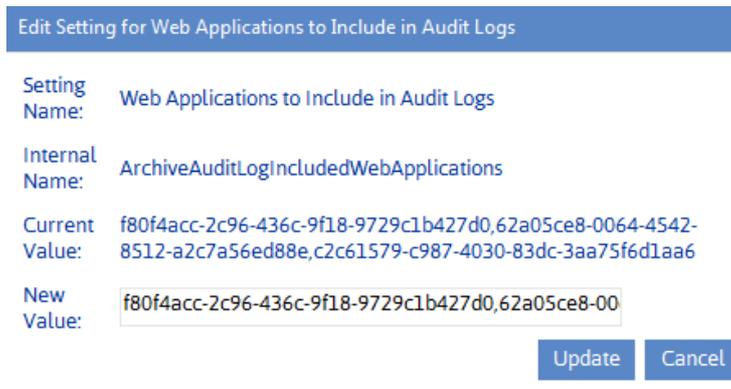
TIP:

- To locate a Web application's GUID, select the Web application in the ControlPoint SharePoint Hierarchy, right-click and choose Properties.

- Copy the ID Property Value and paste it directly into the **Web Applications to Include in Audit Logs** Value field.



NOTE: Enter multiple Web applications as a comma-separated list.

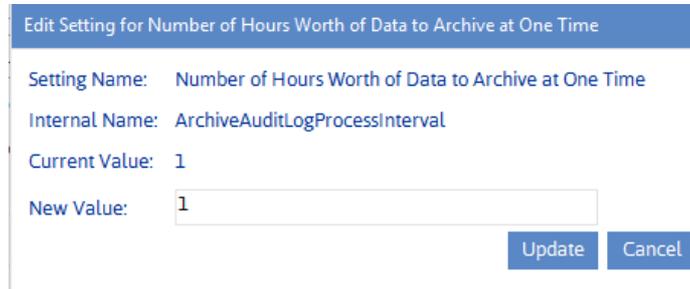


TIP: Use the Notes field to record the *names* of included Web applications, as you cannot as easily retrieve a Web application's name based on its GUID.

## Changing the Archive Audit Log Process Interval (Optional)

By default, the archive audit log utility processes one hour's worth of audit log data at a time. Generally, it is recommended that you keep the default setting, especially if you have a large amount of data to be archived, as the more data that is archived at one time the greater the demand on server resources.

ControlPoint Application Administrators can, however, increase the number of hours' worth of data that is processed at one time by changing the Value of the ControlPoint Configuration Setting **Archive Audit Log Process Interval**.



Edit Setting for Number of Hours Worth of Data to Archive at One Time

Setting Name: Number of Hours Worth of Data to Archive at One Time

Internal Name: ArchiveAuditLogProcessInterval

Current Value: 1

New Value:

Update Cancel

---

# Troubleshooting

This troubleshooting guide:

- identifies where to find log files that can be used to help diagnose issues you may be experiencing with ControlPoint, and
- describes some common issues that you may encounter when using ControlPoint and suggestions on how to resolve them.

Note that the this guide is by no means exhaustive. Factors unique to your environment, such as the size, configuration, and complexity of your SharePoint farm as well as interactions between SharePoint, ControlPoint, other applications and processes, may also need to be taken into consideration.

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

## 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 in the in the following **SharePoint hive** subdirectory: `\TEMPLATE\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.

# 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 **SharePoint hive** subdirectory: `\TEMPLATE\LAYOUTS\Axceler\log`.

## Logged Errors Report

The Logged Errors Report:

- reports ControlPoint application errors for a specified time period, and
- is available from the ControlPoint Actions and Analyses panel.

### To generate a Logged Errors Report:

- 1 From the Manage ControlPoint panel, choose **Schedule Management and Logging > Logged Errors Report**.
- 2 Enter the **Start Date** and **End Date** for the time period you want to cover.

Now you can:

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

OR

- schedule the analysis to run at a later time

OR

- generate an xml file with instructions that can be run at a later time (by clicking [**Save Instructions**]). See Saving, Modifying and Running Instructions for a ControlPoint Operation.

The errors returned by this report are similar to those recorded in the Administration log, which is available to ControlPoint Application Administrators. It does not, however, trace activities like the progress of both nightly and interactive Full Discovery tasks, as the Administration log does.

Total Logged Errors : 94

Date	User	Source
1/26/2014 3:28:00 AM	axcelertest\testbenchaxceler	

Event ID #: 2045: Access to this Web site has been blocked.

Please contact the administrator to resolve this problem.

```
Stack: at Microsoft.SharePoint.SPGlobal.HandleComException(COMException comEx)
at Microsoft.SharePoint.Library.SPRequest.OpenWebInternal(String bstrUrl, Guid& pguidID, String& pbstrRequestAccessEmail, UInt32& pwebVersion, String& pbstrServerRelativeUrl, UInt32& pnLanguage, UInt32& pnLocale, String& pbstrDefaultTheme, String& pbstrDefaultThemeCSSUrl, String& pbstrThemedCssFolderUrl, String& pbstrAlternateCSSUrl, String& pbstrCustomizedCssFileList, String& pbstrCustomUser, String& pbstrAlternateHeaderUrl, String& pbstrMasterUrl, String& pbstrCustomMasterUrl, String& pbstrSiteLogoUrl, String& pbstrSiteLogoDescription, Object& pvarUser, Boolean& pvarIsAuditor, Int32& piSiteFlags, Boolean& pbOverwriteMUIcultures, Boolean& pbMUIEnabled, String& pbstrAlternateMUIcultures, Int32& piVersion, Int16& pnClientTag)
at Microsoft.SharePoint.SPWeb.InitWebPublic()
at Microsoft.SharePoint.SPWeb.get_ServerRelativeUrl()
at Microsoft.SharePoint.SPWeb.get_IsRootWeb()
at Axceler.SPAccessCore.CPWeb.get_IsRootWeb()
at xcCore.Logic.Traverse.FillWeb(DataRow& workRow, xcCPWeb Web, SPLevel LevelDown, Int32 level, Boolean& binIncludeChanged, Boolean& binContinue)
at xcCore.Logic.Traverse.TraverseSiteCollection(DataRow& workRow, Boolean& renewRow, xcCPSite iSite, SPLevel level)
```

1/27/2014 3:08:50 AM	axcelertest\testbenchaxceler	
----------------------	------------------------------	--

Event ID #: 2046: Access to this Web site has been blocked.

Please contact the administrator to resolve this problem.

```
Stack: at Microsoft.SharePoint.SPGlobal.HandleComException(COMException comEx)
at Microsoft.SharePoint.Library.SPRequest.OpenWebInternal(String bstrUrl, Guid& pguidID, String& pbstrRequestAccessEmail, UInt32& pwebVersion, String& pbstrServerRelativeUrl, UInt32& pnLanguage, UInt32& pnLocale, String& pbstrDefaultTheme, String& pbstrDefaultThemeCSSUrl, String& pbstrThemedCssFolderUrl, String& pbstrAlternateCSSUrl, String&
```

## Troubleshooting Configuration Errors

Configuration errors generally display in the right (workspace) pane, when you first open the ControlPoint application or when you attempt to run a ControlPoint operation.

## Blank Page/Unexpected Error

### Possible Reason

If you attempt to open ControlPoint and a blank page displays (with or without a message such as *Error* or *An unexpected error has occurred*) it may be because your farm uses multiple Web front-end servers and you failed to properly configure ControlPoint for all of them.

### Resolution

Follow *all* of the instructions for [Configuring ControlPoint for Additional Front-End Servers](#).

# Could Not Load File or Assembly

## Parser Error Message

Could not load file or assembly "System.Web.Extensions, Version - ...

**Server Error in '/'\_layouts/Axceler' Application.**

**Configuration Error**

**Description:** An error occurred during the processing of a configuration file required to service this request. Please review the specific error details below and modify your configuration file appropriately.

**Parser Error Message:** Could not load file or assembly 'System.Web.Extensions, Version=3.5.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35' or one of its dependencies. The system cannot find the file specified.

**Source Error:**

```
Line 81: <assemblies>
Line 82:   <add assembly="System.Design, Version=2.0.0.0, Culture=neutral, PublicKeyToken=803F5F7F11D50A3A" />
Line 83:   <add assembly="System.Web.Extensions, Version=3.5.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
Line 84:   <add assembly="Microsoft.SharePoint, Version=12.0.0.0, Culture=neutral, PublicKeyToken=71E9BCE111E9429C" />
Line 85:   <add assembly="Microsoft.SharePoint.Library, Version=12.0.0.0, Culture=neutral, PublicKeyToken=71E9BCE111E9429C" />
```

**Source File:** C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\12\template\layouts\axcelerweb.config **Line:** 83

**Assembly Load Trace:** The following information can be helpful to determine why the assembly 'System.Web.Extensions, Version=3.5.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35' could not be loaded.

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].

**Version Information:** Microsoft .NET Framework Version 2.0.50727.42; ASP.NET Version 2.0.50727.42

## Reason

If you see this error as soon as you open ControlPoint, the applicable version of the .NET Framework has not been installed on *all* of the Web front-end servers in your farm.

## Resolution

Make sure the version of the .NET Framework that is appropriate for your SharePoint version is installed on all Web front-end servers in your farm. It is typically installed on the first server as part of the ControlPoint installation. You can install it on additional servers (as well as on the first server if this step was skipped during the ControlPoint installation process) by following the procedure for [Configuring ControlPoint for Additional Web Front-End Servers](#).

## If You Cannot Resolve a Configuration Error

Contact [Quest Support](#). Have the contents of the ControlPoint web.config file readily available so that the Technical Support Specialist can better assist you.

## Troubleshooting the ControlPoint Application Interface

### Recent Change Does Not Show Up in the SharePoint Hierarchy

#### Issue

During your current ControlPoint session, an action you performed (such as a Delete Site, Set User Permissions, or Add User to Group) isn't reflected in the SharePoint Hierarchy.

#### Possible Resolution

- Try Refreshing the SharePoint Hierarchy.

OR

- If a site collection has been added or deleted and the ControlPoint Application Administrator has configured the application to [load site collections from a server-side cache](#), you may try refreshing this cache.

### Remote Farms Do Not Display in SharePoint Hierarchy

#### Issue

In a multi-farm environment, only the home farm displays in the SharePoint Hierarchy.

## Possible Reasons

- The ControlPoint Configuration Setting **How to Display Multiple Farms in SharePoint Hierarchy** is set to **1** (Display Home Farm Only).

OR

- The multi-farm environment includes different editions of ControlPoint installed (Standard, Non-Standard, and/or ControlPoint Online), and remote farm display is not supported for the edition selected as the home farm.

## Solutions

- Make sure the ControlPoint Configuration Setting [How to Display Multiple Farms in SharePoint Hierarchy](#) is set to either **2** (Display home farm expanded and remote farm(s) collapsed) or **3** (Display all farms collapsed).
- If the environment includes different editions of ControlPoint, make sure the home farm is an edition that supports remote farm display, using the guidelines in the following table.

If the multi-farm installation ...	Then ...
includes ControlPoint Standard along with Non-Standard and/or ControlPoint Online	a Standard farm must be the home farm.
consists of only Non-Standard and ControlPoint Online	a Non-Standard farm must be the home farm.

NOTE: Regardless of whether or not all farms display in the SharePoint Hierarchy, you will always be able to change the active farm by selecting from the Available Farms drop-down.

## Site Collections Display as "Inaccessible"

### Issue

Site Collections display in the SharePoint Hierarchy followed by the text *Inaccessible*.

### Reason

When a Content Database is added to a Web application, the ControlPoint Service Account must be granted access to it.

## Solution

ControlPoint Application Administrators can run the [Grant Access action](#) from the ControlPoint Configuration Wizard.

## Site Collections Grayed-Out and "Locked"

### Issue

All of the sites beneath a Web application in the SharePoint Hierarchy are grayed-out and are labeled "Locked."

### Possible Reason

You added one or more content database to an existing Web application, but the ControlPoint Service Account was not granted access to it.

### Resolution

Grant the ControlPoint Service Account access to the content database(s) within the Web application(s).

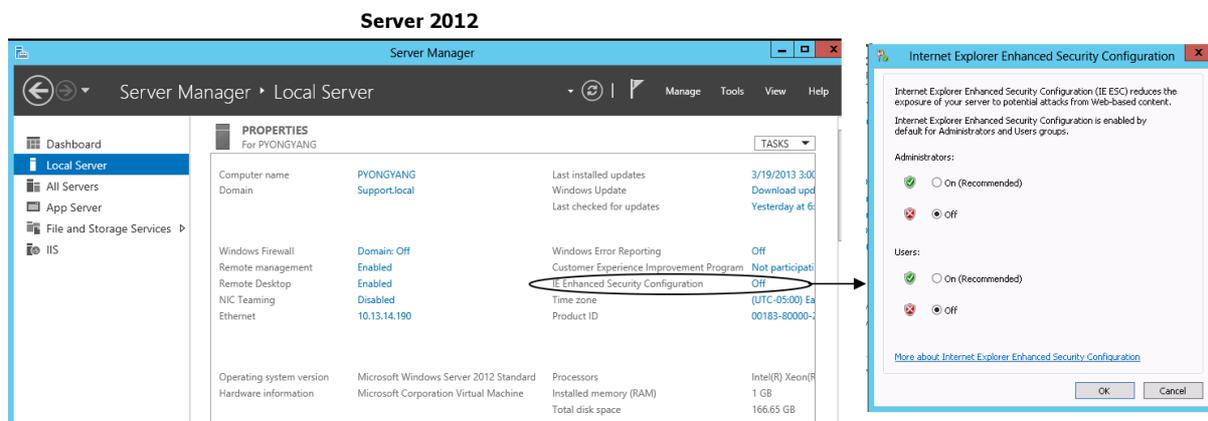
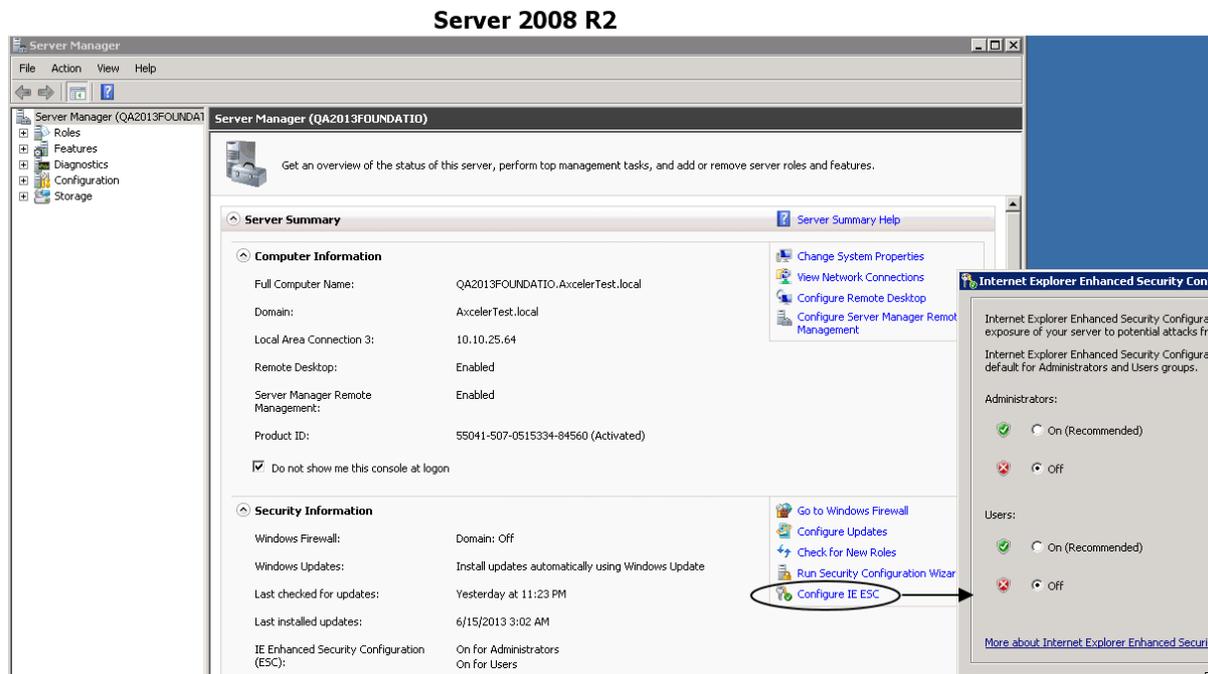
## When Launched from a Server That Has IE Enhanced Security Configuration Enabled, ControlPoint Fails to Launch Properly

### Issue

When you launch ControlPoint from a server for which IE Enhanced Security Configuration (IE ESC) is turned on and you are using Internet Explorer 10 or 11 as your browser, the application fails to launch properly .

## Resolution

In the Server Manager, make sure IE Enhanced Security Configuration (IE ESC) is *off*.



## Number of Child Objects Specified for an Object in the SharePoint Hierarchy Doesn't Match Number Displayed

### Issue

When you expand a Web application or site collection in the SharePoint Hierarchy, the number of child objects you see is *fewer* than the number that appears in parentheses.

## Reason

ControlPoint is security-trimmed to enforce SharePoint permissions. The number in parentheses beside an object represents *all* child objects. However, the objects that you actually sees depends on your SharePoint permissions. See ControlPoint Security in the *ControlPoint User's Guide*.

# The Loading of Site Collections in the SharePoint Hierarchy is Extremely Slow

## Issue

When a Web application in the SharePoint Hierarchy is expanded, it takes an exceptionally long time for site collections to load

## Possible Reason

When a Web application is first expanded, ControlPoint must both load the site collections and build the folders into which they are grouped (based on the value specified for the ControlPoint Configuration Setting [Maximum Number of Objects to Display Before Foldering \(NAVCAP\)](#). If the Web application has an extremely large number of site collections (for example, thousands of MySites), this process can be time-consuming.

## Resolution

The ControlPoint Application Administrator can increase the amount of time that foldered objects in the SharePoint Hierarchy remain in cache.

If the time that takes for site collections to load is *unacceptably* slow, ControlPoint Application Administrator can configure the application to [pre-load site collections from a server-side cache](#) .

# Error Occurs When Attempting to Launch ControlPoint from a SharePoint Site

## Issue

When an attempt was made to launch ControlPoint from within a SharePoint site, a dialog displays with a message that an unexpected error has occurred.

## Possible Reason

The ControlPoint for Site Admins and/or ControlPoint Menus for Site Settings feature was activated for the site but was not configured properly for the farm.

## Resolution

Follow the procedure for Configuring Site Administration Features for Your SharePoint Farm. After updating the file **webnew.config**, remember to save it as **web.config**.

# A Business Administrator's SharePoint Sites Do Not Display in the SharePoint Hierarchy

## Issue:

- When a member of the ControlPoint Business Administrator's group logs into ControlPoint, the SharePoint site collections/sites that the user manages do not display in the SharePoint Hierarchy.

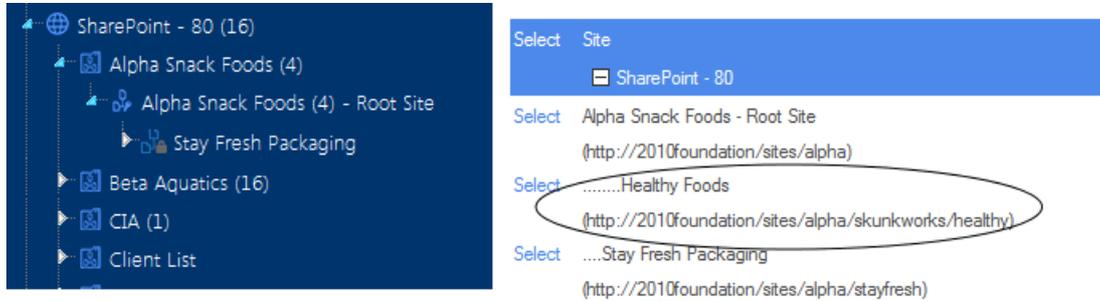
OR

- A Business Administrator's permissions for SharePoint sites have changed, but those changes are not reflected in the SharePoint Hierarchy.

## Possible Reason(s):

- The user does not have sufficient permissions for the SharePoint site(s) to be administered

- The user has management permissions for a subsite but *not* its parent site. (By default, if a member of the ControlPoint Business Administrators group has permissions to manage a subsite at any level below a site collection's root site but does *not* have permissions to manage its parent, the subsite does not display in the ControlPoint SharePoint Hierarchy or object pickers.)



- Since the last Discovery:
  - the user was added to the Business Administrator's group
 OR
  - the user's SharePoint permissions have changed.

### Possible Resolution(s):

- Make sure the user has Full Control or equivalent permissions to the SharePoint sites to be administered in ControlPoint. See *Making ControlPoint Available to Business Users (Site Administrators)* in the *ControlPoint User's Guide*.
- If the user has management permissions for a subsite but not its parent site, the subsite will be included in a ControlPoint operation if it is within the scope of the selection, even if it does not *display* in the SharePoint Hierarchy. ControlPoint Application Administrators can also configure the application to [display all Business Administrator sites in the SharePoint Hierarchy](#).
- Either [run an interactive Discovery or wait for the nightly Full Discovery process to run](#).

## "A Script on the Page is Causing Internet Explorer to Run Slowly..."

### Message

*A script on the page is causing Internet Explorer to run slowly. Stop running this script?*

## Possible Resolutions

If you encounter this message when trying to expand a node in the left navigation pane, click **[Yes]** then re-open the node.

Note that, once child items within a node are loaded, they are cached and are not reloaded:

- for the remainder of your ControlPoint session

OR

- until the SharePoint Hierarchy has been refreshed.

ControlPoint Application Administrators may also find that [decreasing the number of child items that display within a subfolder](#) improves performance, especially if it has been set higher than the default value. (The more items there are within a subfolder, the more time it will take for them to load.)

You may also be able to alleviate the issue by adjusting certain Internet Explorer configuration settings. [Quest Support](#) can provide more detail.

## Troubleshooting Discovery

### "Discovery is Being Performed Now, Cannot Start"

#### Message

*Discovery is being performed now, cannot start.*

#### Possible Reason

You manually cancelled an interactive Discovery task, then tried to re-run it immediately.

When you cancel a Discovery task, as time is needed to roll back changes that the job was in the process of collecting for the cancelation to be fully processed.

#### Resolution

Wait several minutes before attempting to re-run Discovery.

## If You Cannot Resolve a Discovery Issue

Contact [Quest Support](#). Have the contents of the ControlPoint Administration (xcAdmin) log and the Logged Errors Report readily available so that the Technical Support Specialist can better assist you.

## Troubleshooting SharePoint Users and Permissions

### Cannot Locate SharePoint Users Authenticated by Alternate (non-Active Directory) Methods

#### Issue

Attempting to select alternate authentication-based users on which to run a ControlPoint operation but unable to browse for or validate them.

#### Possible Reason(s)

- The ControlPoint application has not been configured to recognize the alternate authentication provider.
- The scope of your action or analysis encompasses more than one Web application.

#### Resolution(s)

- Make sure the ControlPoint application has been configured to recognize the alternate authentication provider(s) used in the farm. See [Configuring ControlPoint to Recognize Alternate Authentication Providers](#).
- Either:
  - limit the scope of your operation to a single Web applicationOR
  - if the operation is one that can be run on unvalidated users, manually enter (rather than browsing for) the user's name and omit the validation.

See "Special Considerations for Selecting Alternate Authentication-based Users" in the topic Selecting Users on Which to Perform a ControlPoint Action or Analysis in the *ControlPoint User's Guide*.

## System Exception: "Cannot get the members of the group..."

### Issue

When attempting to view members of an Active Directory group from permissions analysis results, an error window displays which includes the following message:

*System.Exception: Cannot get the members of the group [domain\group] possibly because of network or permissions problems*

### Possible Reason

The ControlPoint Service Account does not have permissions to read all users within the Active Directory group.

### Resolution

Make sure the ControlPoint Service Account has at least Read Permissions for the Active Directory record of every SharePoint user. Consult your Microsoft Active Directory documentation for details.

## Active Directory Group Membership: "Cannot connect to the domain controller for domain"

### Issue

When attempting to view membership in an Active Directory group from Permissions analysis results, the following message displays:

*Group: [group-name] Cannot connect to the domain controller for domain*

## Possible Reason

A trust relationship between the domain or forest that hosts the Active Directory group and the domain or forest in which ControlPoint is installed

- does not exist

OR

- requires additional authentication.

## Resolution

See *Accessing Members of Active Directory Groups in Different Domains or Forests* (on page 78).

# Properties Dialog: Total Users with Permissions Displays as "Incomplete"

## Issue

After clicking [**Calculate Totals**] On the ControlPoint Properties dialog, the number of **Total Users with Permissions** is followed by (**Incomplete**).

## Reason

An exception was encountered when Active Directory users were being counted. Possible reasons include:

- The ControlPoint Service Account does not have access to an entire Active Directory group or one or more accounts within an Active Directory group.
- Networking problems have been encountered.

## Resolution

Review the ControlPoint Administration log (xcadmin) to determine the cause of the exception.

# Users with Permissions Granted Through a Claim are not Showing Up in Permissions Analysis Results

## Issue

One or more users who have permissions to SharePoint objects through a claim are not being included in permissions analysis results.

## Possible Reason

If your SharePoint farm includes claims-based authentication, permissions granted through a claim may not be reliably reported because SharePoint only retains permissions information for an augmentation claims-based user for a limited time after the user logs in.

The same behavior can be observed in SharePoint. For example, the SharePoint Site Permissions > Check Permissions feature may or may not show permissions granted through an augmentation claim, depending on when the user last logged in.

# Troubleshooting Site Provisioning

## Site Provision Request Workflow Failed on Start

### Issue

The SharePoint workflow associated with Site Provisioning is configured to start automatically but the **Workflow Status** column of the Site Provisioning Manager grid, shows a status of **Failed on Start**.

### Possible Reason

Configuration information for the SharePoint workflow components that support automatic starting must be added to ControlPoint.

## Solution/Workaround

### For SharePoint 2010:

- 1 Open the ControlPoint web.config file, which is located in the following directory: C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\14\TEMPLATE\LAYOUTS\Axceler.  
`<System.Workflow.component>`  
`<System.Workflow.CompoentModel.WorkflowCompiler>`
- 2 Locate and uncomment the following sections:

### For SharePoint 2013 or later:

You may need to start the workflow manually. You can access the Workflow page for the Site Creation Requests list via the **[Workflow]** button on the Manage Provisioning Requests page.

## Provisioning Requests Manager: Workflow Status Column is Blank

### Issue

In the Site Provision Request Manager, the Workflow Status column is blank for all requests

PROVISIONING REQUESTS

NAME	URL	DESCRIPTION	REQUESTOR NAME	REQUEST STATUS	WORKFLOW STATUS	UNIQUE KEY	PROFILE TYPE
TestWorkflow1	http://qa2010	GBTTestWork	axcelertest\tr	Requested		5e2693a9-6513-492d-be2f-aa34aa8d16f1	Site
ibTeamSite_0910	http://qa2010	A_GBTeamSi	axcelertest\tr	Approved		28bc6f23-e0f2-4611-baa7-65bac1829d7	Site
Site1_0910	http://qa2010	GBSite1_0910	axcelertest\tr	Rejected		b0281018-2780-4220-95fa-5639a6b63a352a8034e-	Site

## Possible Reason

- The Value of the ControlPoint Setting does not match the name of the workflow used for Provisioning request processing.

OR

- WorkFlowName is correct, but the workflow has not been started.

## Solution

Make sure the WorkFlowName is the same as the name of the workflow used to process Provisioning requests and that the workflow has been started.

# Troubleshooting ControlPoint Operations

## Not All ControlPoint Actions and Analyses Are Available to Me

### Possible Reason(s):

- You have permissions for customized ControlPoint menus that do not include all features.
- You are running SharePoint Foundation and are missing features only available for SharePoint Server (for example, features that rely on the use of certain Service Applications)
- If the Site Collection Activity Analysis, Trend analyses, and parameters that rely on information collected for the ControlPoint cache are grayed out, the nightly Discovery job may not be enabled.

## Your Page has Expired

### Issue

When attempting to complete a ControlPoint operation that was initiated at an earlier time, the following message displays in the workspace:

*Your page has expired. Please call it again from the menu.*

## Reason

The time period during which ControlPoint holds the page information for the operation in the server's cache has expired.

## Resolution

Re-initiate the operation from the left navigation pane.

NOTE: By default, ControlPoint holds page information in cache for 20 minutes. ControlPoint Application Administrators can, however, [specify a different length of time](#).

## Timeout Exception: The server has timed out.

### Message:

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

### Possible Reason:

ControlPoint has timed out while waiting for a SQL command to run.

### Possible Resolution:

The ControlPoint Application Administrator can [increase the SQL Command Timeout Value](#).

## Hyperlinks in Activity Analysis Results are broken

### Issue:

When an attempt is made to link to a SharePoint Web Analytics page from a Site Collection or Site Activity analysis, an error occurs.

## Possible Reason:

- You are running SharePoint Foundation, for which the Web analytics is not available.

OR

- You are running SharePoint Server and the Web Analytics Service has not been configured for the farm, is not online, and/or has not been associated with the Web application(s).

## Possible Resolution(s):

Make sure the Web Analytics Service:

- is properly configured for the farm,
- is online, and
- is associated with relevant Web application(s).

TIP: You can run a SharePoint Summary Report to view the status of Service applications and their associations with Web applications.

# Number of Users Has Exceeded the Allowable Threshold

## Issue

When ControlPoint action involving multiple SharePoint users is run, a message similar to the following displays in the Task Audit:

The number of users (*[num\_users]*) has exceeded the allowable threshold of *[max\_users]*.

## Reason

The number of users to be included in the action exceeds the maximum number allowed.

## Resolution

Re-run the operation on a smaller set of users.

The ControlPoint Application Administrator can also [change the maximum number of users that can be included in a ControlPoint action](#).

# ASP.NET Session Has Expired

## Issue

After drilling-down several times from the results of a ControlPoint analysis, the following text appears in the Results section of the original analysis:

*ASP.NET session has expired*

## Reason

If you had checked the parameter **Open drill-downs in new window**, when you drill-down in analysis results ControlPoint limits the number of these windows that can be opened at one time.

## Resolution

Keep the number of open windows to within the allowable limit. (Ten is the ControlPoint default, but ControlPoint Application Administrators can [change this value](#).)

# Too Many Rows to Display

## Message

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

## Resolution

If you receive this message, try modifying the parameters to further narrow the scope of your search/analysis.

ControlPoint Application Administrators [can increase the maximum number of rows returned by an analysis](#),

# Download as .csv: No Cached Data for Download

## Issue

Upon clicking the **Download as .csv** link from the results of a ControlPoint search or analysis, the following message displays:

*Error: No cached data for download*

## Reason

The time period during which ControlPoint holds search or analysis results in the server's cache has expired.

## Resolution

Re-run the search or analysis and complete the download to csv while the data is still in cache.

NOTE: By default, ControlPoint holds results data in cache for 20 minutes. ControlPoint Application Administrators can, however, [specify a different length of time](#).

# Export Results to Excel: "The file you are trying to open is in a different format..."

## Issue

When an attempt is made to save search or analysis results to an Excel file via the results toolbar, the following message displays:

*The file you are trying to open, '[file\_name].xls', is in a different format than specified by the file extension. Verify that the file is not corrupted and is from a trusted source before opening the file.  
Do you want to open the file now?*

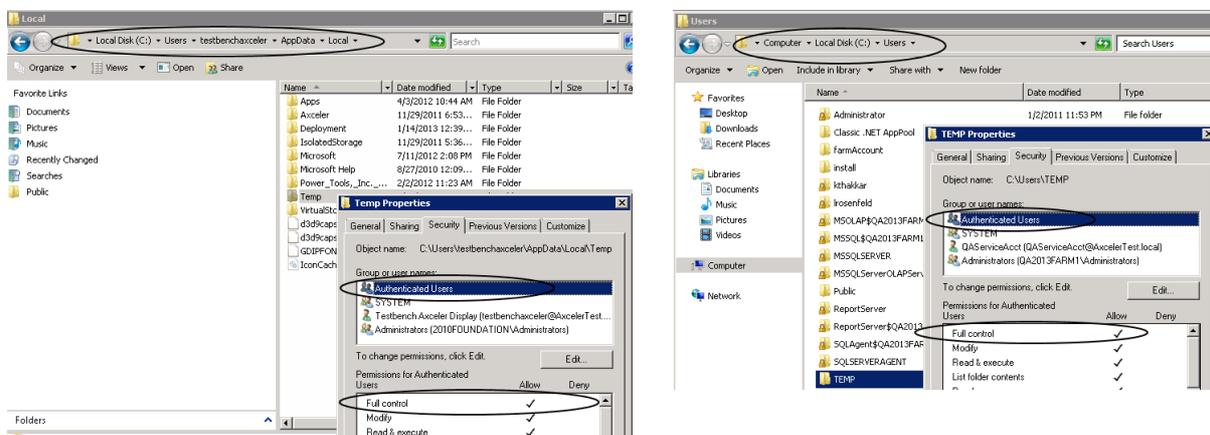
## Possible Reason

Security settings are insufficient for the ControlPoint Service account's Temp folder on the Web front-end server.

## Resolution

- 1 Log into the Web front-end server where ControlPoint is installed.
- 2 Navigate to the Temp folder.\*
- 3 Make sure the group **Authenticated Users** has **Full Control** permissions

\*Note that, as shown in the examples below, the precise location of the appropriate Temp folder depends on your server configuration.



## Action or Analysis Taking Longer Than Expected

### Message:

*An action or analysis you requested is took 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.*

### Resolution:

- If you have chosen to run an analysis on real-time data, consider using cached data instead.  
OR

- Narrow the scope of the operation. For example, re-initiate the operation from a different (lower) level of the SharePoint Hierarchy or modify your current parameters.
- OR
- If an interactive Discovery is currently running ( as indicated by the message *Discovery is being performed now, started at [date] [time]* in the application header) wait for it to complete before re-running the action or analysis.

The ControlPoint Application Administrator can also [increase the SERVETIMEOUT value](#).

## Cannot Perform Operations on Central Administration

### Issue

- Message: *Action is not Valid for Central Administration*

OR

- Central Administration was included within the scope of the selection but is missing from search or analysis results

OR

- Central Administration is missing from the Customize Selection list of available items

### Reason

Because the Central Administration Web application, site collection and site serve a special purpose, many ControlPoint operations cannot be performed on Central Administration. If Central Administration is within the scope of a selection (for example, you selected the entire farm), ControlPoint will automatically exclude it from the operation.

## Copy/Move Insufficient Permissions Message

### Issue

When attempting to perform a copy/move operation, one of the following messages displays:

*Access Denied. User must be in Site Collection administrators permission group or Web Application Policy with Full Control!*

OR

*Only farm administrator can create new Site Collection.*

## Reason

When ControlPoint default security is in effect, you must be either be a member of the Site Collection Administrator's group or have Full Control permissions in the Web application policy at both the source and destination location. This applies to *all* copy/move operations, including Copy/Move Lists and List Items. (ControlPoint Application Administrators can, however, [override ControlPoint default security](#).)

If the copy/move operation involves the creation of a new site collection, you must be a farm administrator at the destination location.

## Newly-Created Site Does Not Show Up in Manage SharePoint Groups Picker/Cannot be Scheduled

### Issue

For the Manage SharePoint Groups action, a newly-created SharePoint site does not show up :

- in the model or dependent group picker

OR

- after making an association, in the dependent grid.

### Possible Reason

After a site is created, SharePoint typically requires several minutes to "catch up" with the operation, so it may not display in the ControlPoint group picker immediately.

Once the site is visible in the group picker, an association can be made; however, the group will not display in the dependent grid—and cannot be scheduled—until Discovery is run.

### Resolution

- If the site does not display in the group picker, wait several minutes then refresh the page.
- If, after an association is made, the group does not display in the dependent grid, you can:

- wait for the next nightly Full Discovery to be run
- OR
- run an [interactive partial Discovery](#) on the Web application containing the newly-created site.

## Cannot Run Activity Analysis Using Real-time Data

### Issue

I would like to run an activity analysis using real-time data, but the option is not available.

### Reason

The Discovery task accumulates and caches activity data that is collected by the nightly SharePoint Usage Analysis tasks. Therefore, activity data is as current as the last time Discovery was run.

## Activity Data in Analysis Results is Out of Date

### Issue

Results of an analysis run on cached data includes activity data that is not current.

### Possible Reasons

- You are requesting data for a date or time period that is older than the ControlPoint cache.
- The Discovery task has not been run on one or more Web application(s) within the scope of your analysis since the last date reflected in activity data.
- The nightly Discovery job ran before one or more of the SharePoint usage analysis jobs from which it collects data for the cache.

Note that, if the nightly Full Discovery process has not run, a message displays in the ControlPoint application header. You can compare the date of the last Full Discovery with the date displayed in the analysis results header. (By default, activity data for site collections is reported for a time period that ends on the date of the last Discovery).

If you determine that nightly Discovery *has* run and the out-of-date activity data is confined to one or more specific Web applications, it may be that the ControlPoint Application Administrator has excluded the Web application(s) from the nightly Discovery process

## Resolution

If you have determined that the Discovery task has *not* run on one or more Web applications, run either [a full or partial interactive Discovery](#) (depending on the situation) then regenerate the analysis.

NOTE: You can determine whether Web applications have been excluded from the nightly Discovery process by examining the ControlPoint Configuration Setting Web Applications to Exclude from Full Discovery (WAPEXCLUDE).

If you have determined that Discovery has run on all Web applications, check the Central Administration Timer Job Status report to determine when the nightly jobs actually ran. If one or more of the usage analysis jobs ran *after* nightly Discovery, it may be necessary to [update the nightly Discovery schedule](#).

# Cumulative Hits Only Available Option When Running Activity Analyses

## Issue

For a Farm Summary Report or activity analysis:

- In the Parameters section, the only available option in the **View Activity for** drop-down is Cumulative Hits.

AND/OR

- In analysis results, the Requests column displays cumulative hits instead of number of requests or page views for the specified time period.

## Possible Reason(s)/Resolution

- You are running a WSS-only farm (See Variations in Activity Data in the *ControlPoint User's Guide*.)
- Since installing ControlPoint you have upgraded from SharePoint Foundation to SharePoint Server but [Enable SharePoint Server functionality \(MOSS\)](#) has not been changed in the ControlPoint application settings.
- Usage Reporting has not been enabled (See System Requirements in the *ControlPoint Installation and Upgrade Guide*.)

# Activity Analysis Requests Column Only Shows 0's for Users and Requests

## Issue

Activity Analysis results *always* show only 0's in the **Avg. Users per Day** and **Requests** columns.

## Possible Reason

If analysis results show 0's for all sites within a Web application which you know has had activity, it may be that the Web application uses cross-farm Service Applications that has been created on a different farm than the one on which ControlPoint is installed (which, by default, means that activity data is inaccessible to ControlPoint).

Contact [Quest Support](#) for instructions on configuring ControlPoint to access activity data from cross-farm Service Applications.

# Number of Lists in Storage Analysis Results Does not Match Number Displayed in SharePoint Hierarchy

## Issue

The number of lists reported in a Content Database Storage or Site Lists and Libraries Storage analysis is greater than the number that appear in the SharePoint Hierarchy.

## Reason

Storage analysis results include *hidden* lists (such as Master Page Gallery, Reporting Metadata, and User Information), which are not shown in the SharePoint Hierarchy.

# Storage Information Reported by ControlPoint is Different than What's Reported by SharePoint

## Issue

ControlPoint Storage analysis results show different values for content size and % of quota than those shown on the SharePoint Site Collection Usage Summary and Storage Space Allocation pages.

## Reason

In calculating results for storage analyses (including the Farm Summary Report), ControlPoint determines the size of a site by including:

- size of documents, including all versions
- document metadata, including metadata for all versions
- list content
- recycle bin size
- Web Part size, including any personalization to the web parts on the page.

SharePoint uses a proprietary algorithm to calculate size and determine % of quota, which may differ from the algorithm used by ControlPoint.

# Most/Least and ControlPoint Policies Analysis Never Progress Beyond "Loading" Using IE 11 with SharePoint 2010

## Issue

When running a Most/Least or ControlPoint Policies analysis using Internet Explorer 11 with a SharePoint 2010 farm, results perpetually display as "Loading" but are never returned.

## Resolution

Make sure your browser's Compatibility View is turned *on*.

# HRESULT:0x80040E09

## Issue

When attempting to run a ControlPoint operation, the following warning message displays in the results header:

*Warnings: [site url]: Exception from HRESULT: 0x80040E09*

## Reason

The ControlPoint Service Account does not have sufficient permissions to complete the operation.

## Resolution

In accordance with System Requirements, make sure the ControlPoint Service Account has been added to the security server role `sysadmin` in:

- the SQL server(s) used for SharePoint content databases, and
- the SQL server used for the ControlPoint Service database.

NOTE: If `sysadmin` privileges cannot be granted, you will need to use an account that has the SQL server roles `securityadmin` and `dbcreator`, such as the server farm account (that is, the account under which Central Administration runs).

# No User Profile Application available to service the request

## Issue

An attempt was made to run a ControlPoint analysis based on a SharePoint User Profile property, and the following message displayed in the header before the analysis finished processing:

*No User Profile Application available to service the request. Contact your farm administrator.*

## Possible reason

- A SharePoint User Profile Service Application is not associated with one or more Web applications within the scope of the analysis

OR

- The ControlPoint Service account does not have permissions to access the User Profile Service application.

NOTE: The ControlPoint administration (xcadmin) log identifies the Web application(s) for which the User Profile Service application was unavailable.

## If you Cannot Resolve an Issue with a ControlPoint Operation

Contact [Quest Support](#). Have the contents of the ControlPoint Administration (xcAdmin) log and the Logged Errors Report readily available so that the Technical Support Specialist can better assist you.