

ControlPoint

Discovery Service

August 06, 2018

Copyright

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

ControlPoint™ is a trademark of Metalogix International GmbH.

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

Technical Support

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

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

Contents

Preface 4

IMPORTANT: Before Running the Discovery Service 4

Installing and Configuring the Discovery Service 5

Installing the Discovery Service 5

Launching the Discovery Setup Application 6

Configuring the Discovery Service 7

Starting the Metalogix ControlPoint Discovery Service and Changing Discovery Service Properties 10

Monitoring the Discovery Service Queue 12

Viewing Discovery Detail 12

Unistalling the Discovery Service 13

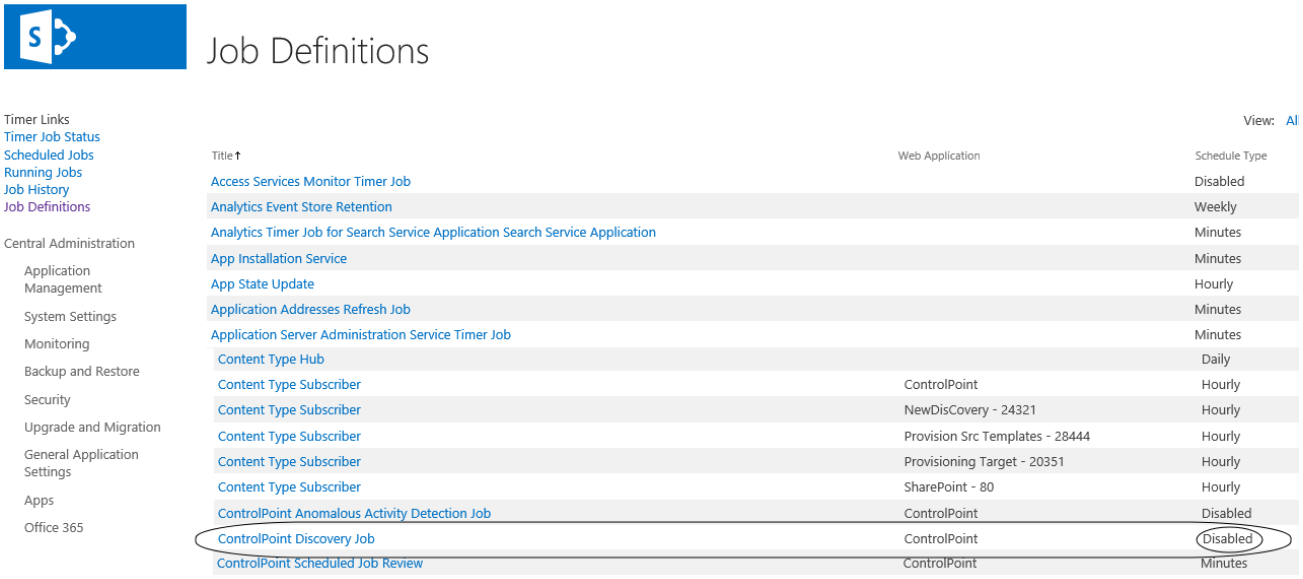
ControlPoint Settings Used by the Discovery Service 14

Preface

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.

IMPORTANT: Before Running the Discovery Service

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



Installing and Configuring the Discovery Service

The ControlPoint Discovery Service runs as a Windows Service on the server where ControlPoint is installed.

Account Requirements

To install the ControlPoint Discovery Service, use the ControlPoint Service Account.

NOTE: In addition to the Service Account Requirements that are described in the *ControlPoint Advanced Installation Guide* and the privileges granted to the account during installation of the ControlPoint application (such as Full Control in the Policy of every Web Application is the SharePoint farm and access to the ControlPoint Services (xcAdmin) Database), the account must have permission to **Log on as a service**. If the account does not already have this permission, it will be granted automatically during Discovery Service installation.

Installing the Discovery Service

Locating Discovery Service Files

The following files are needed to set up and run the Discovery Service:

- DiscoveryService.exe
- DiscoverySetup.exe
- DiscoverySetup.exe.config

The location of these files depends on the ControlPoint installation type.

- For ControlPoint Standard installations, Discovery Service files are located the following directory:
  `C:\Program Files\Metalogix\ControlPoint\ControlPointFeatures`
- For ControlPoint Native installations, Discovery Service files are located in the ControlPoint installation kit, in the following directory:
  `\\Native_Kit\Solutions artifacts`

  NOTE: For Native installations, create a folder called Discovery Services and copy the files from the Solutions artifacts folder to a more "permanent" location on your file system.

To install the ControlPoint Discovery Service:

1 On the server where the ControlPoint application is installed, open a command prompt window using the **Run as Administrator** option.

2 Change to the directory in the command prompt window to point to the location where the Discovery Service files reside.

3 At the prompt, type the following

```
DiscoveryService.exe -install -account [account] -password [password]
```

where

[account] is the account you want to use to log into the Metalogix ControlPoint Discovery Service (in the domain\account_name format)

[password] is the password for that account.

NOTE: If you install the Discovery Service without specifying an account, it will be created under the local System Account, and you will need to change it to the ControlPoint Service Account before Discovery is run.

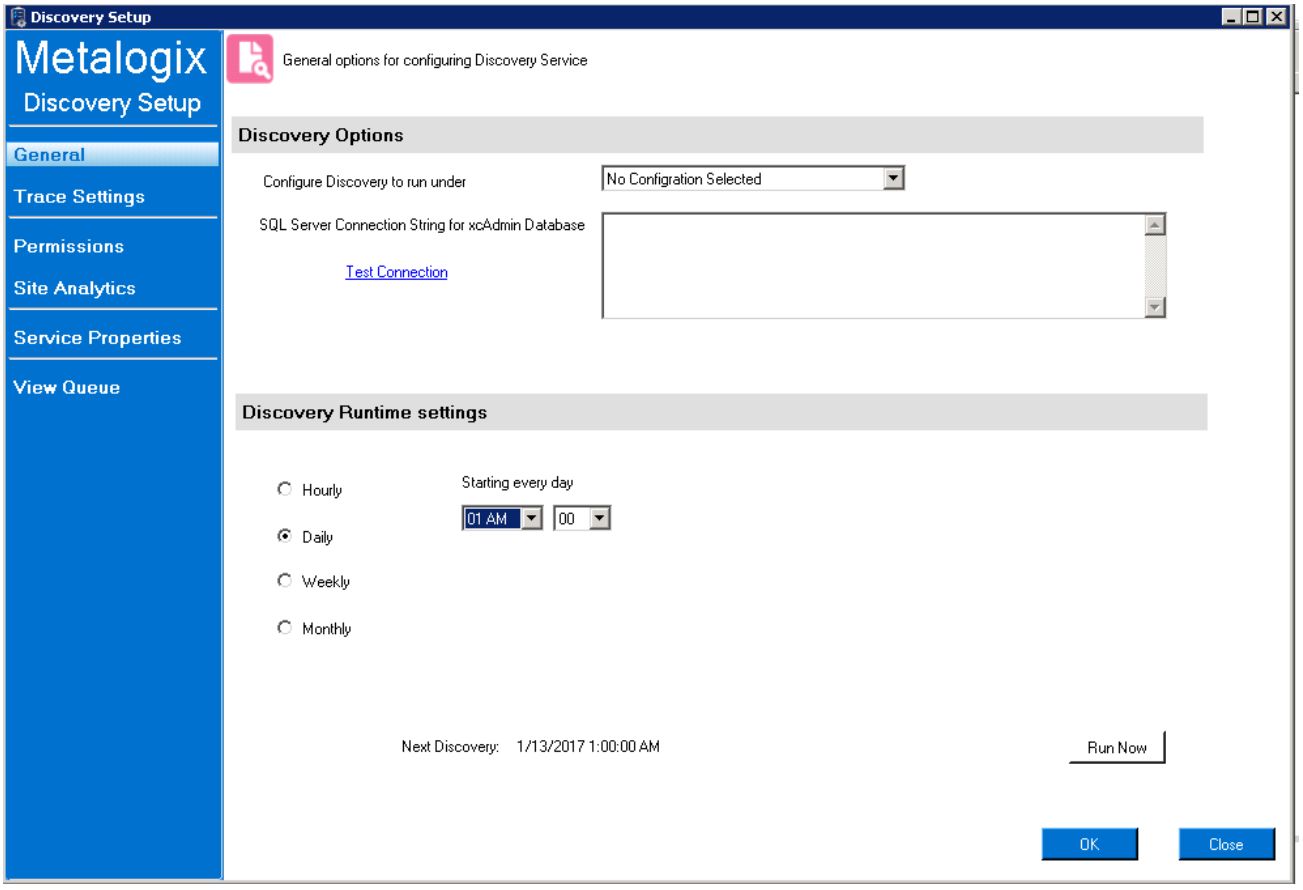
4. Press **<Enter>**.

Launching the Discovery Setup Application

To launch the Discovery Setup application:

1 Navigate to the location where the Discovery Service files reside.

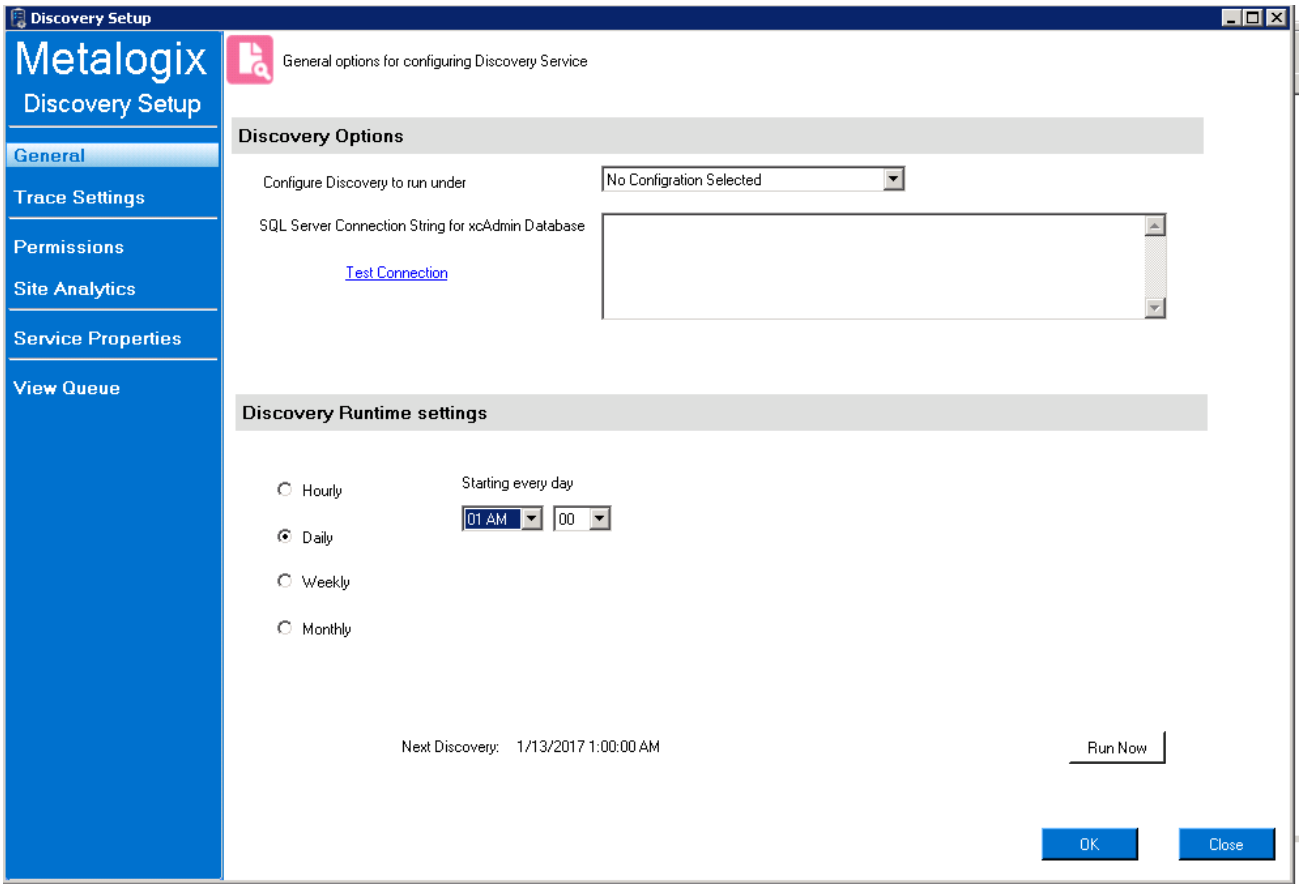
2 Open **DiscoverySetup** (using the **Run as Administrator** option).



Configuring the Discovery Service

To configure the Discovery Service:

Launch the Discovery Setup application.



General Options

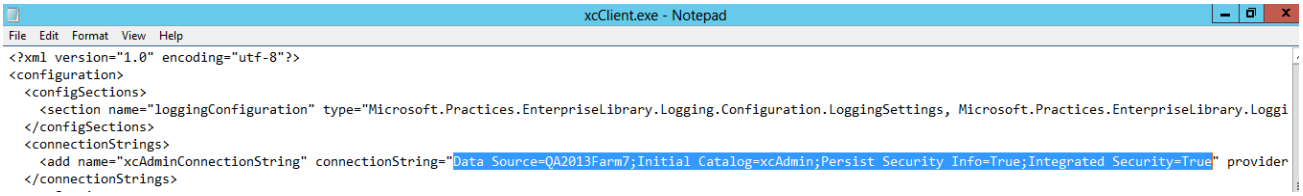
1 For **Configure Discovery to run under**, select **SharePoint Local** from the drop-down.

2 To populate the **SQL Server Connection String to xcAdmin Database**:

a) Navigate to the folder C:**\Program Files\Metalogix\ControlPoint\ControlPointFeatures**

b) Open the file **xcClient.exe CONFIG**.

c) Within the `<connectionStrings>` parameter, copy the text from `Data Source=` through `Inegrated Security=True`.



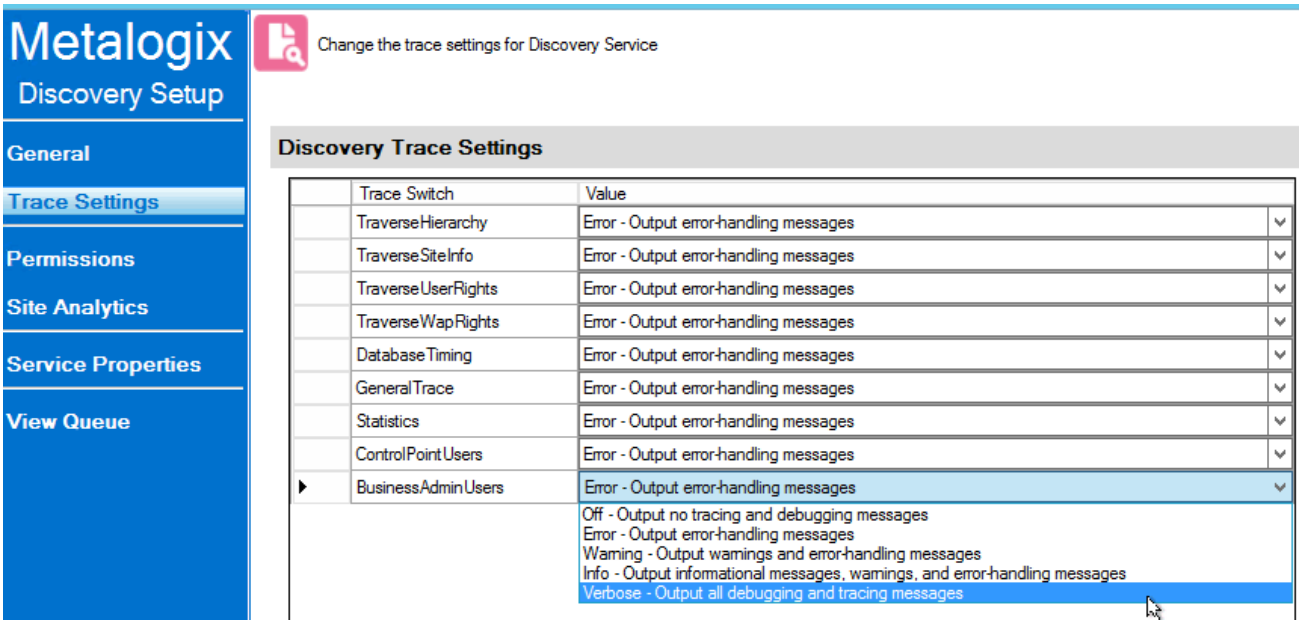
d) Paste the string into the Discovery Setup SQL Server Connection String to xcAdmin Database field.

e) Click **Test Connection**.

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

Trace Settings

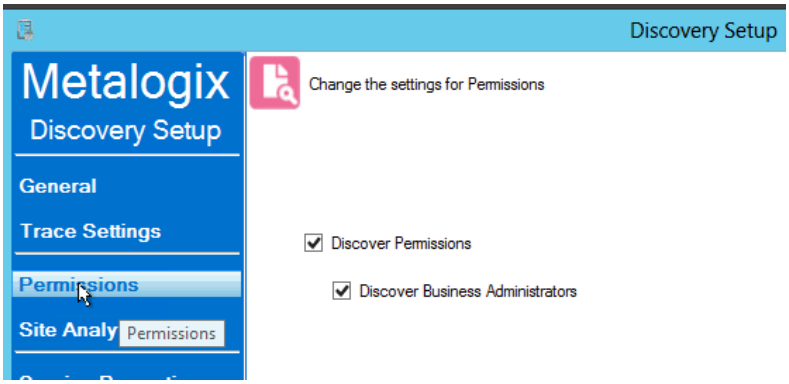
You can use the **Discovery Trace Settings** drop-downs to change the level of logging for individual Discovery components.



Permissions and Site Analytics (Include/Exclude Options)

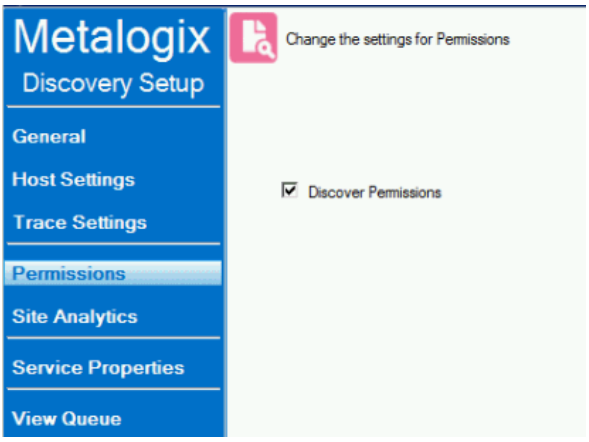
You can include/exclude the following individual components from the Discovery process:

- **Permissions**:



  - **Discover Permissions** (for analyses using cached data)
  - **Discover Business Administrators** SharePoint permissions

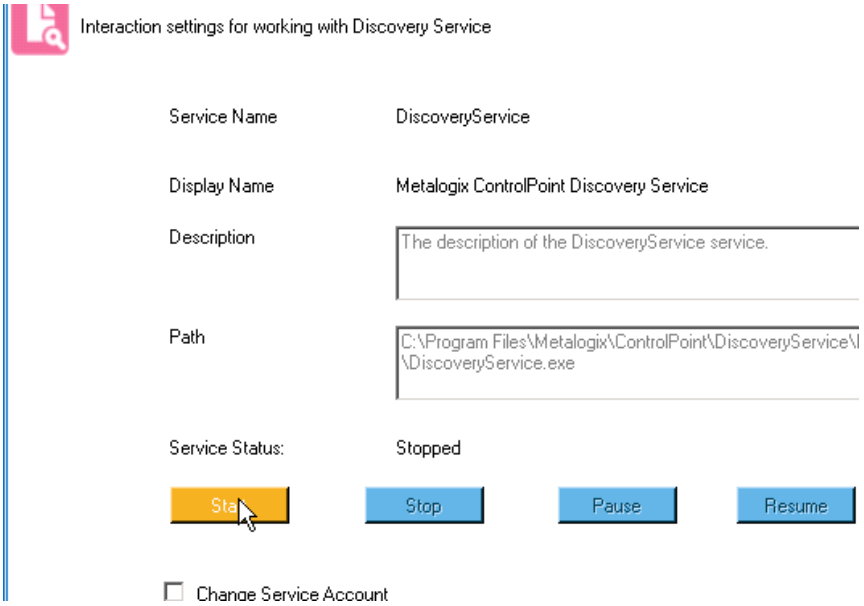
- **Site Analytics**:



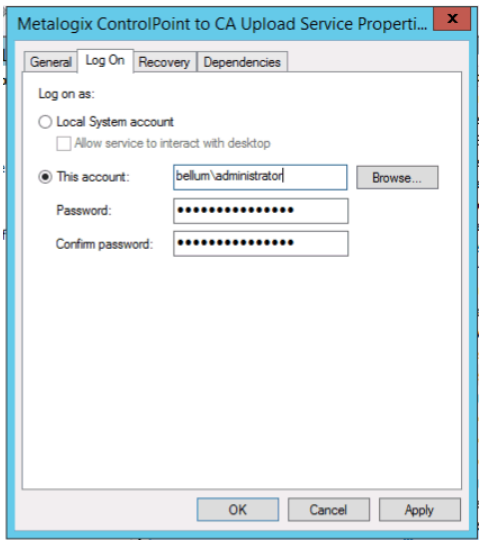
- **Discover Storage**
- **Discovery Activity**
- **Discover Statistics** (which populate Statistics lists that are displayed on the ControlPoint Configuration site when this functionality is enabled)
- **Discover Web Parts**

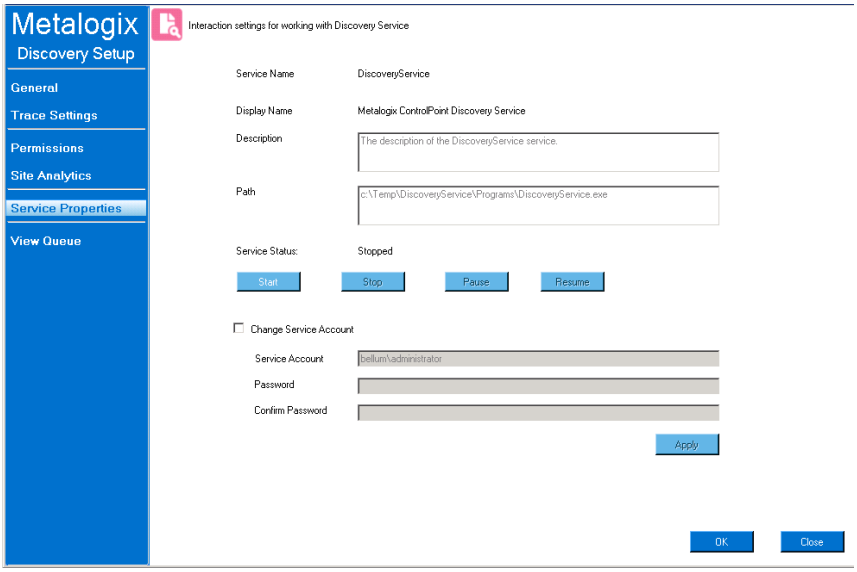
Starting the Metalogix ControlPoint Discovery Service and Changing Discovery Service Properties

Before you can run Discovery for the first time, the Discovery Service must be started, 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.

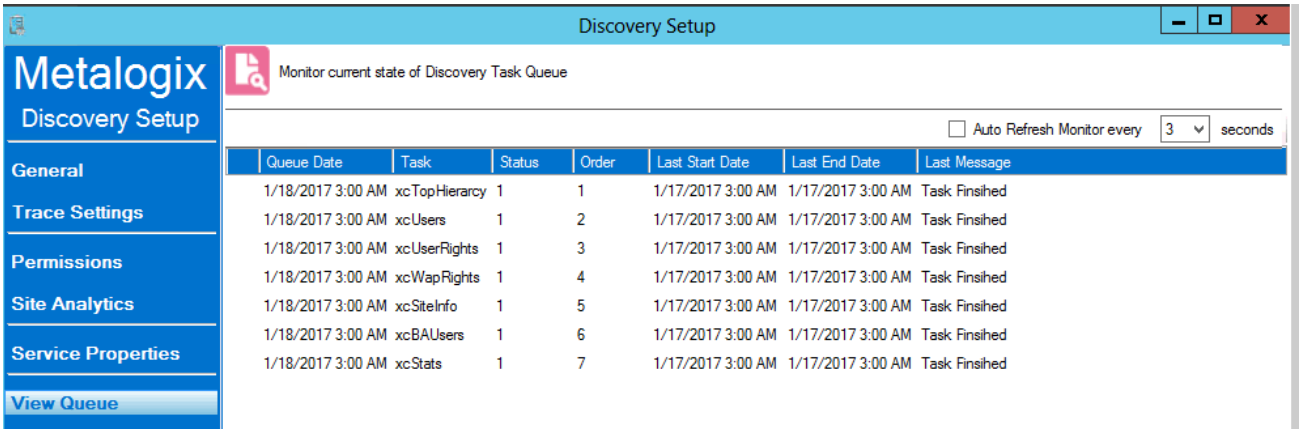




Because the Discovery Service Account requires permissions that are already granted to ControlPoint Service Account (such as Full Control in the Policy of every Web Application in the SharePoint farm and access to the ControlPoint Services (xcAdmin) database), the Service Account should only be changed if the ControlPoint Service Account was not specified at the time the service was created.

Monitoring the Discovery Service Queue

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



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 run in the **DiscoveryService log**, which is located in the location where the Discovery Service files reside. 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.

Unistalling the Discovery Service

To uninstall the Discovery Service:

1 On the server where the Discovery Service is installed, open a command prompt window using the **Run as Administrator** option.

2 Change the directory in the command prompt window to point to the location where the Discovery Service files reside.

3 At the prompt, type the following:

```
DiscoveryService.exe -uninstall
```

ControlPoint Settings Used by the Discovery Service

The majority of Discovery Performance-related ControlPoint Settings apply to Discovery 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)**
- **Web Applications to Exclude from Full Discovery (WAPEXCLUDE)**
- **Site Collections to Exclude from Full Discovery (URLEXCLUDE)**

Refer to the *ControlPoint Administration Guide* for details on using these settings.