AvePoint DocAve 6 User Guide

AvePoint Discovery Tool

User Guide

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The Enterprise-Class **Management Platform** for **SharePoint** Governance

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About Discovery Tool

The AvePoint Discovery Tool scans your SharePoint 2007, 2010, and 2013 environments from the farm to item level and then generates reports on aspects of your farm. The Discovery Tool can generate Farm Information, General Statistics, Configuration, Customization, Advanced, Summary , and Job Information Reports. These reports can help provide a better understanding of your SharePoint environment.

Why Use the AvePoint Discovery Tool

Many organizations tend to overlook one of the most important steps crucial to SharePoint farm management: discovery. The AvePoint Discovery tool provides comprehensive scanning of and reporting on your farm and can help you prepare for and react to different types of SharePoint events, including: migrations, backups, and farm reorganizations. Below are some common scenarios that would benefit from using AvePoint Discovery Tool.

1. **Farm Restructuring:** when a business need arises requiring you to restructure the entire SharePoint farm, whether that be to merge with another farm or standardize the current farm's contents, the AvePoint Discovery Tool can run reports that return information on the details of deployed SharePoint services, the SharePoint database size, item count, language packs, and Master pages. Gathering this kind of information can help you and other business users make informed decisions about your SharePoint strategies.
2. **Backup and Data Movement:** prior backups and other data integration events, including migrations, content management, and replication, the AvePoint Discovery Tool can be used to scan the environment and reveal pages with missing or broken templates and customizations. Discovering and repairing ghosted content will significantly improve the success rate of any backup or data integration.
3. **Job Performance:** sometimes a backup or migration can take an unexpected amount of time and resources, which is often caused by misunderstanding the total size and item count of the source. For instance, a library might contain ten documents, but with versioning enabled, the library might in fact contain 1000 documents (one hundred versions of each of the ten documents). The AvePoint Discovery Tool can provide useful insights into and a holistic view of your farm's information architecture, which will help you plan more accurately for tasks.

Frequently Asked Questions

Which reports should I run if I suspect a performance issue?

An important factor for planning around performance issues is discovering the total count of Site Collections, Sites, Lists, and Items in your SharePoint farm. The total count is a major factor in the overall performance of data migration and integration job performance. To learn more about how to discover a total count of items in your farm, see:

- General Statistics Reports
    - Site Collection Information Reports
    - Site Information Reports.

Which reports should I run to identify customizations?

A significant part of migrating data or restructuring farms that is often overlooked is: identifying customizations. The AvePoint Discovery Tool can help you determine which customizations exist, determine their status, and locate them in the environment. For more on discovering customizations, see:

- Farm Information Reports
    - Solution Information Report
    - Master Page Information Report
- Customization Reports
    - Custom Column Type Information
    - Custom Content Type Information
    - Custom Feature information Report
    - Custom List Template Information Report
    - Custom Master Page Information
    - Custom Site Template Information Report
    - Custom Web Par Information Report

Which reports should I run to discover data distributed within my farm?

When preparing for a farm restructuring, migration, or farm maintenance, it is important to take an overall snap shot of your environment. Taking a snap shot can help you discover information about your distributed data, such as: your largest library, items, and web applications. AvePoint Discovery Tool can provide you with statistics about your entire environment and help you make better informed decisions. For more information about discovering data distributed in your farm, see:

- Farm Information Reports
    - Web Application Information Report
- Structure Details Report
    - Custom Column Type Information Report
    - Custom Content Type Information Report
    - Custom Feature Information Report
    - Custom List Template Information Report
    - Custom Master Page Information Report
    - Custom Site Template Information Report
    - Custom Web Part Information Report
    - List Information Report
    - Lookup Column Information Report
    - Lookup Column Information Report
    - Site Collection Information Report
    - Site Information Report
    - Site Level Web Application Information
    - Workflow Information Report

Submitting Documentation Feedback to AvePoint

AvePoint encourages customers to provide feedback regarding our product documentation. You can Submit Your Feedback on our website.

Before You Begin

Refer to the following sections for system and farm requirements that must be in place prior to using Discovery Tool.

System Requirements

In order to use the Discovery Tool for SharePoint 2007 or SharePoint 2010, the Microsoft .NET Framework 3.5 or later must be installed and configured properly on your machine.

In order to use the Discovery Tool for SharePoint 2013, the Microsoft .NET Framework 4.5 or later must be installed and configured properly on your machine.

Permissions Requirements

The Discovery Tool must be installed on the Central Administration server or on one of the Web front-end servers of a SharePoint 2007, 2010, or 2013 farm. The user who runs Discovery Tool must have the following permissions:

- Local System permissions:
    - Permission of Log on as a batch job (it can be found within Control Panel > Administrative Tools > Local Security Policy > Security Settings > Local Policies > User Rights Assignment)
    - Full Control Permission for Discovery Tool installation directory

  If there are no strict limitations within your organization on the permissions that can be applied, you can simply add the user who runs Discovery Tool to the local **Administrators** group to apply all of the required permissions.

- SharePoint permissions:
    - User is a member of the Farm **Administrators** group
    - Policy for Web Application: **Full Read**
- SQL permissions:
    - The **db_owner** database role in all of the databases related with SharePoint, including Content Databases, Configuration Database, and Central Admin Database

Getting Started

Refer to the sections below for important information on getting started with Discovery Tool.

Accessing Discovery Tool

To access the Discovery Tool and leverage its functionalities, complete the following steps:

1. Download the **AvePoint_Discovery_Tool_2.1.0.3001_Serial_Number.zip** file by contacting an AvePoint representative for links to this package. Extract this file.
2. To start the tool, locate either the **DiscoveryTool.exe (**for SharePoint 2007 and SharePoint 2010) or **SP2013DiscoveryTool.exe** in the bin folder and double-click it.

User Interface Overview

When you launch the Discovery Tool, the following user interface appears. This guided interface will help you determine what kind of information you'd like to scan your environment for.

- **Farm Information** – Use this section to collect the farm information, such as farm topology information, configuration information, Web application information, and content database information, to analyze the farm environment and structure better.
- **Applications & Settings** – Use this section to collect the content information, such as structure details, site collection information, custom template information, and custom Web part information, to analyze the content in the selected nodes.

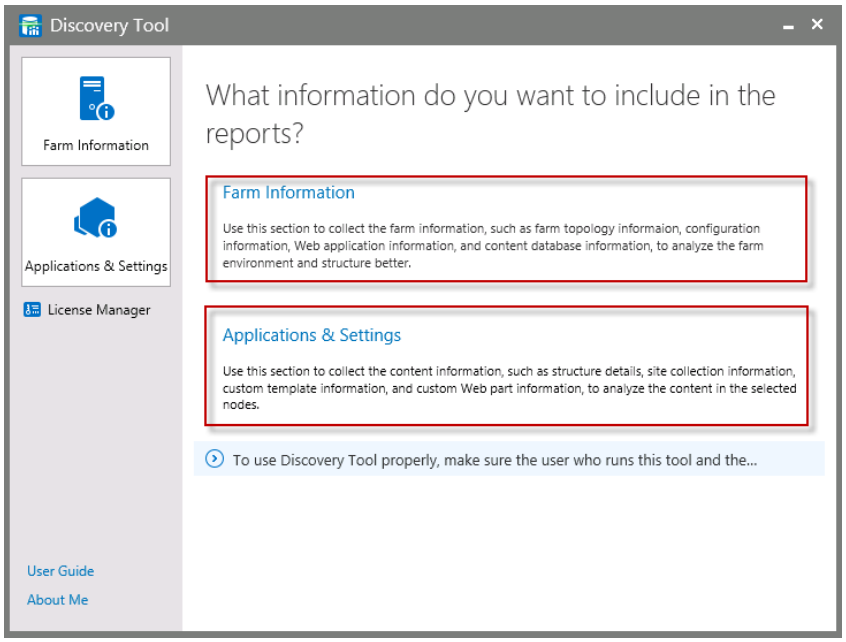

Figure 1: The Discovery Tool launch window.

Discovery Tool Functions

Refer to the following sections for details about the provided functions.

Farm Information

To generate reports on the farm information, complete the following steps:

1. Click the **Farm Information** ( ) button in the navigation pane or the **Farm Information** button on the **Discovery Tool** interface.
2. In **Scan Settings**, configure the scan for the information that you want gather in order to generate reports. There are seven types of information that you can select to scan; by default, however, each type of information's checkbox is already selected.
    - **Farm Topology** – Select this checkbox to collect the farm topology information.
    - **Web Application Information** – Select this checkbox to collect the Web applications' information in the farm.
    - **Content Database** – Select this checkbox to collect all of the content databases' information in the farm.
    - **Solution Information** – Select this checkbox to collect all of the farm solutions' information.
    - **IIS Application Information** – Select this checkbox to collect the information of the files in the IIS bin folder and GAC folder that are created by IIS applications.
    - **Master Page** – Select this checkbox to collect the custom master pages' information in the farm.
    - **Language Information** – Select this checkbox to collect the language information for all of the servers in the farm.

    Click **Select All** to select all of the checkboxes, or click **Clear All** to deselect all of the checkboxes.
3. Click **Next** to go to the next step.
4. In the **Report Location** step, configure the following settings:
    - **How would you like to generate the report?** – Choose the method of generating the reports.
        - **CSV** – Use this option to store the collected information in CSV files. You can enter a report location for the CSV files.
        - **Database** – Use this option to store the collected information in a database.
            - **Database Server** – Enter the database server that houses the database you want to use to store the collected information.

- **Database Name** – Enter the name of the database where you want to store the collected information.
- **Authentication Mode** – Choose an authentication mode. You can select the **Windows Authentication** or **SQL Authentication**.
- **Account** – Enter the account that has the **db_owner** permission to the selected database.
- **Password** – Enter the password for the account above.

You can also validate the SQL database account by clicking **Validation Test**.

- **Report Location** – Specify a location to store the reports. The default location is the **bin** folder of the current tool's directory. To change another location, click **Change Location**, select the desired location, and click **OK** to save the new location.

  ***Note**: This field is displayed only when you select the **CSV** option above.

5. Click **Generate** to generate the reports on the selected types of information, or click **Back** to modify the scan settings.
6. When the reports are generated successfully, you can do either of the following:
   - Click the **Click Here** link to go to the report location directory.

     The reports are stored in the folder named **Date_Time**. For detailed information on the reports, refer to the Reports section.

   - Click the **Home Page** link to go the home page of Discovery Tool.

Applications & Settings

To generate reports on the applications and settings on the selected nodes, follow the instructions below:

1. Click the **Applications & Settings** ( ) button on the navigation or the **Applications & Settings** link on the right pane of the **Discovery Tool** interface.
2. In the **Node Selection** step, click the farm to load nodes under it. Select the nodes that you want to scan by selecting the corresponding checkboxes.
3. In **Scan Settings**, configure the scan for the information that you want use to generate reports. There are four types of settings that you can select to scan.
   - **General Statistics** – Configure the settings in this tab to collect general statistics.
     - **Web Application Information** – Select this checkbox to collect all of the Web applications' information in the selected nodes.
     - **Content Database** – Select this checkbox to collect all of the content databases' information in the selected nodes.

- **Site Collection Information** – Select this checkbox to collect all of the site collections' information in the selected nodes.
- **Site Information** – Select this checkbox to collect all of the sites' information in the selected nodes.
- **List Information** – Select this checkbox to collect all of the lists' information in the selected nodes.
- **Site Statistic Information** – Select this checkbox to collect the statistic information of the sites in the selected nodes.
- **Checked Out Document** – Select this checkbox to collect all of the checked out documents' information in the selected nodes.

- **Configuration** – Configure the settings in this tab to collect configuration information.
  - **Lookup Column** – Select this checkbox to collect all of the lookup columns' information in the selected nodes.
  - **Workflow** – Select this checkbox to collect all of the workflows' information in the selected nodes.
  - **Alert** – Select this checkbox to collect the list/item level alerts' information in the selected nodes.
  - **Page Basic Information** – Select this checkbox to collect all of the master pages' information in the selected nodes.
    - **Master Page** – Select this checkbox to collect all of the master pages' information in the selected nodes.
    - **Page Layout** – Select this checkbox to collect all of the page layouts' information in the selected nodes.
    - **Pages and Site Pages Libraries** – Select this checkbox to collect the page controls' information in the Pages and Site Pages libraries of the selected nodes.
    - **All Libraries and Lists** – Select this checkbox to collect the page controls' information in the form pages of the selected nodes.
    - **Form Page** – Select this checkbox to collect the page controls' information in the form pages of the selected nodes.
    - **View** – Select this checkbox to collect the page controls' information of in the views of the selected nodes.

- **Customization** – Configure the settings in this tab to collect customized information.
  - **Feature** – Select this checkbox to collect the custom and activated features' information in the selected nodes.
  - **Web Part** – Select this checkbox to collect the information of the custom Web parts and the SharePoint built-in Web parts that are not supported by DocAve in the selected nodes.

- **Master Page** – Select this checkbox to collect the custom master pages' information in the selected nodes.
- **Content Type** – Select this checkbox to collect the custom content types' information in the selected nodes.
- **Column Type** – Select this checkbox to collect the custom column types' information in the selected nodes.
- **Site Template** – Select this checkbox to collect the custom site templates' information in the selected nodes and in farm level.
- **List Template** – Select this checkbox to collect the custom list templates' information in the selected nodes.
- **List View** – Select this checkbox to collect the custom list views' information in the selected nodes.
- **Event Receiver** – Select this checkbox to collect the custom event receivers' information in the selected nodes.

- **Advanced** – Configure the settings in this tab to collect compare information, last accessed information, and structure details.
  - **Compare Information** – Select this checkbox to collect the (site collections), sites, lists, items, content types, and columns' basic information of the selected nodes.
  - **Last Accessed Information** – Select this checkbox to collect the last accessed information of the objects that have configured the audit settings in the selected nodes.
  - **Structure Details** – Select this checkbox to collect the structure information of the selected nodes.
    - **Export the site where the item count is greater than** – Select this checkbox to collect the information of the site when there are more than the configured number of items in the site. The default value is set to **2000**.
    - **Export the list whose last modified date is in** – Select this checkbox to collect the information of lists that were modified within the specified time frame.
    - **Export the list whose created date is in** – Select this checkbox to collect the information of the list that was created during the specified time frame.
    - **Export the site where the version count of items is greater than** – Select this checkbox to collect the information of the site when items in it have more than the specified amount of versions. The default value is set to **100**.

- **Export the item whose URL length is greater than** – Select this checkbox to collect the information of the item that has a URL longer than the specified amount of characters. The default value is **200**.

4. In the **Report Location** step, specify the method you want to use to store the collected information. For detailed information on the configuration in this step, refer to the step 4 in the Farm Information section.
5. Click **Generate** to run the job and generate the reports on the selected types of information, or click **Back** to modify the scan settings.
6. When the reports are generated successfully, you can:
    - Click the **Click Here** link to go to the report location directory.

      The reports are stored in the folder named **Date_Time**. For detailed information on the reports, refer to the Reports section.

    - Click the **Home Page** link to go the home page of Discovery Tool.

License Manager

Click **License Manager** on the navigation. The **License Manager** interface appears and displays the current license information in the **License Details** field. The **Status**, **Server Host\IP**, and **Expiration Time** of the current license are displayed.

If the current license has expired or does not work, you can apply a new license. Refer to the following steps to apply a new license.

1. In the **License Manager** interface, click **Browse**.
2. Select a new license file and click **Open**.
3. The details of the new license are displayed.
4. Click **Apply** to apply the new license, or click **Cancel** to cancel changes.

User Guide

Click **User Guide** on the navigation. The user guide of Discovery Tool will pop up. You can view detailed information on Discovery Tool in the guide.

About Me

Click **About Me** on the navigation. The detailed information on the Discovery Tool version is displayed in the pop-up window. You can also go to the AvePoint Official Website directly by clicking the link on the lower pane of the window.

Reports

The reports will be generated in the same directory as the tool. The folder name of the reports is **Date_Time** (for example, **20140107_150101**).

In the report folder, there is one report named **Discovery Tool Summary Report** that collects the basic reports and gives the corresponding descriptions and recommendations, another report, titled **Job Information Report**, collects the information on the job that generates the reports, and different folders to store different kinds of reports.

- If you collect the farm information, the **Farm Information Reports** folder will be generated in the report folder.
- If you collect the applications and settings information, the **General Statistics Reports**, **Configuration Reports**, **Customization Reports**, and **Advanced Reports** folders will be generated in the report folder.

Refer to the following tables for detailed information on each report.

Discovery Tool Summary Report

In the **Discovery Tool Summary Report.xlsx** report, the following reports are listed:

- Alert Information Report
- Custom Column Type Information Report
- Custom Content Type Information Report
- Custom Feature Information Report
- Custom List Template Information Report
- Custom Master Page Information Report
- Custom Site Template Information Report
- Custom Web Part Information Report
- List Information Report
- Lookup Column Information Report
- Site Collection Information Report
- Site Information Report
- Site Level Web Application Information Report
- Workflow Information Report

Click each report to open the report directly. You can also view the description, type, count, and recommendation for each report.

Job Information Report

In the **Job Information Report.csv** report, you can view the **Job ID**, **Job Settings**, **Start Time**, and **Finish Time** of the job that generates this report.

Farm Information Reports

In the **Farm Information Reports** folder, the following reports listed in the **File Name** column below can be generated depending on the checkboxes you select in the panel. For each checkbox you select, a .csv file of the same name will be generated.

File Name	Content (Column Name)
Farm Topology Information Report.csv	Job ID, Server, Version, Service, Status **Version** – Microsoft SharePoint Foundation version of the server farm. **Status** – The status of the corresponding service on the server: **Started** or **Stopped**.
Web Application Information	Job ID, Web Application Name, Authentication, Database Count, Total

File Name	Content (Column Name)
Report.csv	Size (GB), Site Collection Count, Site Count, List Count, User Count
Content Database Information Report.csv	Job ID, Web Application Name, Database Version, Database ID, Database Name, Database Size (MB), Site Collection Count
Solution Information Report.csv	Job ID, Solution ID, Solution Name, Deployed Level, Web Application Name, Deployed To
IIS Application Information Report.csv	Job ID, Physical Path, Assembly, Assembly Type
Master Page Information Report.csv	Job ID, Page URL
Language Information Report.csv	Job ID, Farm Name, Configuration Database Version, SharePoint MOSS Status, Service Pack, Server Language LCID, Server Language Pack

General Statistics Reports

In the **General Statistics Reports** folder, the following reports listed in the **File Name** column in the table can be generated depending on the checkboxes you selected in the panel. For each checkbox you selected, a .csv file of the same name will be generated.

File Name	Content (Column Name)
Site Level Web Application Information Report.csv	Job ID, Web Application Name, Web Application ID, Web Application URL
Site Level Content Database Information Report.csv	Job ID, Web Application Name, Web Application ID, Database ID, Database Name
Site Collection Information Report.csv	Job ID, Web Application ID, Web Application Name, Database ID, Content Database, Site Collection URL, Site Collection ID, Size (MB), Net Size (MB), Site Count, Last Accessed Time, Time Zone, Group Count, User Count
Site Information Report.csv	Job ID, Site Collection ID, Parent Site ID, Site ID, Site URL, Top Level Site, Theme, Last Modified Time, Time Zone, Net Size (MB), List Count, Template Title, Customization, Template Location, Template Description, Template Name, Template ID
List Information Report.csv	Job ID, Site ID, List URL, List Title, List ID, Template Title, Template ID, Customization, Template Feature ID, Template Description, Template Category
Site Statistic Information Report.csv	Job ID, Site Collection ID, Parent Site ID, Site URL, Document Size (MB), Total Document Size (includes the documents deleted to the Recycle Bin), Version Size (MB), Total Version Size (includes the versions deleted to the Recycle Bin), Item Size (MB), Total Item Size (includes the items deleted to the Recycle Bin), Total Size (MB), Total Size (includes the content deleted to the Recycle Bin), Document Count, Checked Out Document Count
Checked Out Document Information Report.csv	Job ID, Document URL, Checked Out User, UI Version, Version

Configuration Reports

In the **Configuration Reports** folder, the following reports listed in the **File Name** column in the table can be generated depending on the checkboxes you selected in the panel. For each checkbox you selected, a .csv file will be generated.

***Note**: Once the **Page Basic Information** checkbox is selected, the **Welcome Page Information Report** will be generated. Once one of the following checkboxes is selected, the page control information in the corresponding scope of the selected nodes will be collected to the **Page Control Information Report**: **Master Page**, **Page Layout**, **Pages and Site Pages Libraries**, **All Libraries and Lists**, **Form Page**, and **View**.

File Name	Content (Column Name)
Lookup Column Information Report.csv	Job ID, Site URL, Scope, List Title, Column Name, Internal Name, Lookup Site URL, Lookup List Title, Lookup Column Name
Workflow Information Report.csv	Job ID, Object URL, Type, List Title, Workflow Name, Workflow Template, Task List Title, History List Title, Instance Count, Assembly, Classification, Feature ID
Alert Information Report.csv	Job ID, Alert ID, List URL, Alert Title, Item Title, Alert Type, Status, User Name, Alert Template
Page Control Information Report.csv	Job ID, Page Control ID, Page URL, Web Part Count, Web Part Type, Web Part Zone ID, Control Count, Control Type
Welcome Page Information Report.csv	Job ID, Welcome Page URL, Page Layout, Master Page

Customization Reports

In the **Customization Reports** folder, the following reports listed in the **File Name** column in the table can be generated depending on the checkboxes you selected in the panel. For each checkbox you selected, a .csv file of the same name will be generated.

File Name	Content (Column Name)
Custom Feature Information Report.csv	Job ID, Object URL, Scope, Status, Feature ID, Feature Name, Feature Location, Solution Name, Solution ID, Dependent Feature ID **Dependent Feature ID** – The ID of the feature on which the custom feature relies.
Custom Web Part Information Report.csv	Job ID, Site URL, Web Part ID, Web Part URL, Type, Type ID, Zone, Classification, Assembly, Web Part Location, Base Class, Template Name, Feature ID
Custom Master Page Information Report.csv	Job ID, Page URL, Site URL
Custom Content Type Information Report.csv	Job ID, Object URL, Content Type Name, Content Type ID, Content Type Level, Feature ID
Custom Column Type Information Report.csv	Job ID, Column Name, Column ID, Object URL, Scope, Classification, Column Type Class, Column Type Name **Column Type Class** – The full name of the class that defines the logic of the column type.

File Name	Content (Column Name)
Custom Site Template Information Report.csv	Job ID, Site URL, LCID, Template ID, Template Name, Template Description, Template Title, Template Location
Custom List Template Information Report.csv	Job ID, Site URL, Base Type, Template Name, Template ID, Feature ID, Template Description, Template Category
Custom List View Information Report.csv	Job ID, Site URL, View URL, View Name, Base View ID **Base View ID** – The value that specifies the base view identifier of the list view.
Custom Event Receiver Information Report.csv	Job ID, ID, Site URL, Object, Event Receiver Type, Action Type, Description

Advanced Reports

In the **Advanced Reports** folder, the following reports listed in the **File Name** column in the table can be generated when selecting the corresponding checkbox in the panel.

***Note**: Configuring settings for the **Export the list whose last modified date is in** and **Export the list whose created date is in** fields will generate the **Modification Data Information Report**.

File Name	Content(Column Name)
Last Accessed Information Report.csv	Job ID, Site Collection URL, Item Count, Item Size (MB)
Structure Details Report.csv	Custom Column Type Information Report, Custom Content Type Information Report, Custom Feature Information Report, Custom List Template Information Report, Custom Master Page Information Report, Custom Site Template Information Report, Custom Web Part Information Report, List Information Report, Lookup Column Information Report, Lookup Column Information Report, Site Collection Information Report, Site Information Report, Site Level Web Application Information, Workflow Information Report
Item Count Warning Report.csv	Job ID, Site ID, Site URL, Item Count
Modification Date Information Report.csv	Job ID, Site URL, List Title, Created Time, Last Modified Time, Item Count, Item Size (Byte)
Version Count Warning Report.csv	Job ID, Site ID, Site URL, Folder Path, Item Title, Version Count
URL Length Warning Report.csv	Job ID, Web Application URL, Object URL, ID, URL Length

Structure Details Report

The Structure Details Report is a type of Advanced Report. The Structure Details Report will generate a Discovery Tool Summary Report, which will contain all the reports listed in Advanced Reports table under Structure Details Report. To run an advance report, follow the instructions below:

1. In the Discover Tool, navigate to **Applications & Settings** > **Node Selection** > **Advanced**.
2. Select the checkbox for **Structure Details**.
3. Select **Item** from the **Export Level** drop-down box.
4. Select the checkbox for **Export the site where the item count is greater than…**
5. Enter a number into the text box for **Export the site where the item count is greater than…** The default is **2000**.
6. Select the checkbox for **Export the list whose last modified date is in…**
7. Select the checkbox for **Export the list whose created date is in…**
8. Select the checkbox for **Export the site where the version count of the items is greater than…**
9. Enter a number into the text box for **Export the site where the version count of the items is greater than…** The default is **100.**
10. Select the checkbox for **Export the item whose URL is greater than…**
11. Enter a number into the text box for **Export the item whose URL is greater than…** The default is **200**.
12. Click next.

Compare Information Report

In the **Compare Information Report** folder, the following report listed in the **File Name** column in the table can be generated when selecting the **Compare Information** checkbox in the panel.

File Name	Content(Column Name)
Compare Information Report.txt	Site Collection Information, Sub Site Information, List Information, Item Information

Compare Information Report Settings

In the *…\data\SP2010\DiscoveryTool* directory of the extracted folder, many XML files are provided, which allow you to configure settings for the Compare Information Report.

By configuring the **SP2010DiscoveryToolReportSetting.xml** file, you can choose the report type for the Compare Information Report, specify the lists in the report, and which built-in columns to include in the report.

By configuring the **SP2010DiscoveryToolMetadataControl.xml** file, you can choose to include all of the column information of items in the selected nodes or include the specified columns' information.

By configuring the **SP2010DiscoveryToolListControl.xml** file, you can choose to include the information of all of the lists in the selected nodes or include the specified lists' information.

Report Settings

Before generating the reports, you can modify the **SP2010DiscoveryToolReportSetting.xml** file to configure the settings for the Compare Information Report.

1. Open the **SP2010DiscoveryToolReportSetting.xml** file with Notepad.
2. Find the **<CompareReportSetting>** node to configure the report settings.
    - **reportType** – Use this parameter to specify the report format. You have three options: **TXT**, **XML**, and **CSV**. The default value is **TXT**.

      ***Note**: The Compare Information Report does not support to be stored in the database.

    - **filterList** – It is used to select whether to filter specified lists in the report or exclude them from the report. If the value of the **filterList** attribute is **TRUE**, the following lists' information will be excluded from the report. If its value is **FALSE**, the following lists' information will be included in the report.

      ***Note:** The content in the **FilterList** node cannot be modified.

    - **getCustomFields** – Choose whether or not to include the built-in columns in the report.
        - **TRUE** – Set the **TRUE** value to obtain the custom column value and display them in the report. The value of the built-in columns will be excluded from the report.
        - **FALSE** – Set the **FALSE** value to obtain all of the columns values including the custom column and the built-in columns.
3. Save the modifications to this file and close it.

Metadata Settings

The Metadata Settings feature is used to include the metadata information for the specified columns when generating the comparison information.

By default, when you select the **Compare Information** checkbox, only the Modified Time, Created Time, Modified By, and Created By properties will be included in the **Item Information** section in the Compare Information Report. If you want to compare more information of the items, you can add the column names of the items into the **SP2010DiscoveryToolMetadataControl.xml** file. Follow the steps below to configure the settings:

1. Open the **SP2010DiscoveryToolMetadataControl.xml** file with Notepad.
2. Find the **<MetadataControl key ="AllDataOutput" value ="False">** node.
    - If you want to compare all of the column information of the items, modify the value of the **value** attribute to **True**.
        - **True** represents to output all of the column values.
    - If you want to compare the specified metadata, modify the value of the **value** attribute to **False**.
        - **False** represents to output the values only for the columns under the **<MetadataControl key ="AllDataOutput" value ="False">** node.
        - To add more columns, add the **<add key ="MetadataTitle" value =""/>** node under the **<MetadataControl key ="AllDataOutput" value ="False">** node. Enter the column name as the value of the **value** attribute.
3. Save the modifications made to this file and close it.

After the configuration completes, a report will be generate, and you can find the report in the **Compare Information** folder in the report folders. The added columns' metadata will be displayed in the **Item Information** section in the generated report.

List Settings

The List Information Settings feature is used to include the information for the specified lists when generating the comparison information.

1. Open the **SP2010DiscoveryToolListControl.xml** file with Notepad.
2. Find the **<ListControl key ="AllDataOutput" value="true" >** node.
    - If you set the value to **true**, all of the lists within the selected nodes will be displayed in the Compare Information Report.
    - If you set the value to **false**, specify the lists in the **<add key ="ListInfo" value =""/>** node. Enter either the list name or the list URL as the value of the **value** attribute.
3. Save the modifications made to this file and close it.

After the configuration completes, reports will be generated, and you can find the report in the **Compare Information Report** folder in the report folders. The information of the specified lists will be displayed in the **List Information** section in the generated report.

Comparing the Reports

After configuring the settings, select the source or destination node and select the **Compare Information** checkbox to generate the compare information report. After the **Compare Information Report.txt** files are generated, find them in the **Compare Information Report** folder. You can compare the information from the two files by using a third-party file comparison tool.

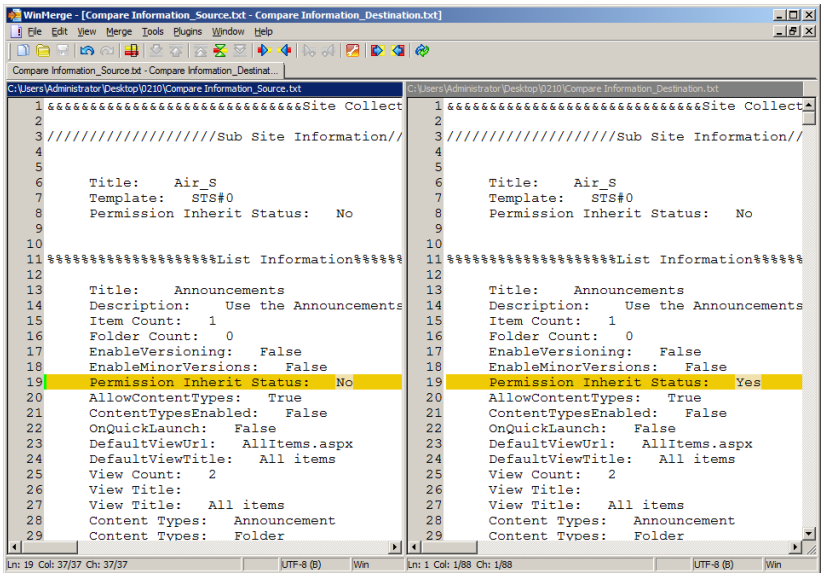

Figure 2: Use a third-party file comparison tool.

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