

Setup ADchangeTracker instructions

Installation and configuration of ADchangeTracker overview

1. Configure Event Logging in Active Directory.
2. Create service user in AD.
3. Grant service user permission to read Security Log on all DC's.
4. Create security group for AD reports.
5. Create a database in SQL server.
6. Create logins and grant permissions in SQL server.
7. Install and configure reports in SSRS.
8. Install ADchangeTracker service on all writable DC's.
9. Configure service.
10. Start service.

1 Configure Event Logging in Active Directory

This is by far the most time consuming task – also the most technical.

You will need Domain Admin permissions to perform this task.

Note – you can continue and complete the remaining steps of the ADchangeTracker setup process even if you have not successfully completed this one. But you will not see much data flowing into the SQL DB unless AD change events are generated into the Security Log.

This web page provides very good information on how to do this:

[How to enable Active Directory Change Events](#)

Please see also the included document “Active Directory change auditing screenshots.PDF”.

After you have completed this step – you should verify that AD change events are generated when an object in AD is changed. See this reference: [Active Directory Change and Security Event IDs](#)

Here are a few other websites for reference:

[Who Moved the AD Cheese?](#)

[AD DS Auditing Step-by-Step Guide](#)

[Active Directory Services Audit - Document references](#)

2 Create service user in AD

You will need Domain Admin permissions to perform this task.

Create a user named “ad_audit” in an OU where you normally keep service users.

3 Grant service user permission to read Security Log on all DC's

You will need Domain Admin permissions to perform this task.

Click on “Builtin” OU in AD Users and Computers, double click “Event Log Readers” group. Add “ad_audit” user to the group.

4 Create security group for AD reports

You will need Domain Admin permissions to perform this task.

Create “SG-ADreports” security group in an OU where you normally keep such groups. Add all the users you want to have access to the AD reports.

5 Create a database in SQL server

Bla

6 Create logins and grant permissions in SQL server

Bla

7 Install ADchangeTracker service on all writable DC's

You will need Domain Admin permissions to perform this task.

bla

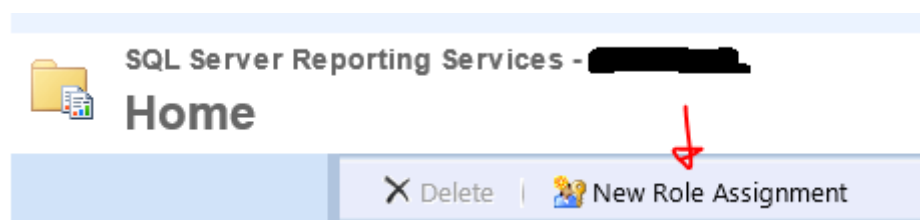
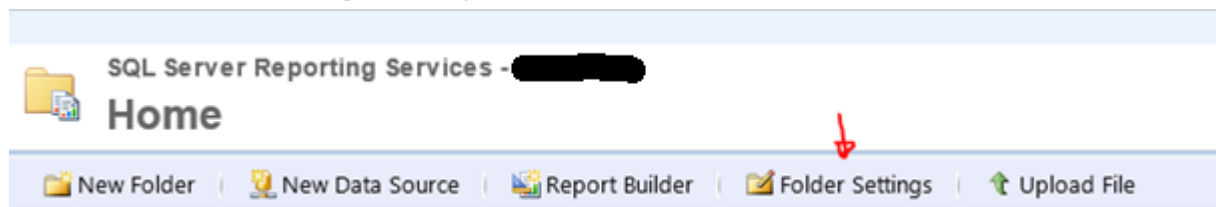
8 Configure service

bla

9 Start service

bla

10 Install and configure reports in SSRS



Home



SQL Server Reporting Services - [REDACTED]

New Role Assignment

Use this page to define role-based security for Home.

Group or user name: [REDACTED]SG-ADreports



Select one or more roles to assign to the group or user.

<input type="checkbox"/>	Role ↓	Description
<input checked="" type="checkbox"/>	Browser	May view folders, reports and
<input type="checkbox"/>	ConfigMgr Report Administrators	May perform all tasks related
<input type="checkbox"/>	ConfigMgr Report Users	May run reports and create re
<input type="checkbox"/>	Content Manager	May manage content in the F
<input type="checkbox"/>	My Reports	May publish reports and linke
<input type="checkbox"/>	Publisher	May publish reports and linke
<input type="checkbox"/>	Report Builder	May view report definitions.

OK

Cancel



SQL Server Reporting Services - [REDACTED]

Home



New Folder



New Data Source



Report Builder



Folder Settings



Upload File

Home



SQL Server Reporting Services - [REDACTED]

New Folder

Create a new folder in Home.

Name:

AD_Reports

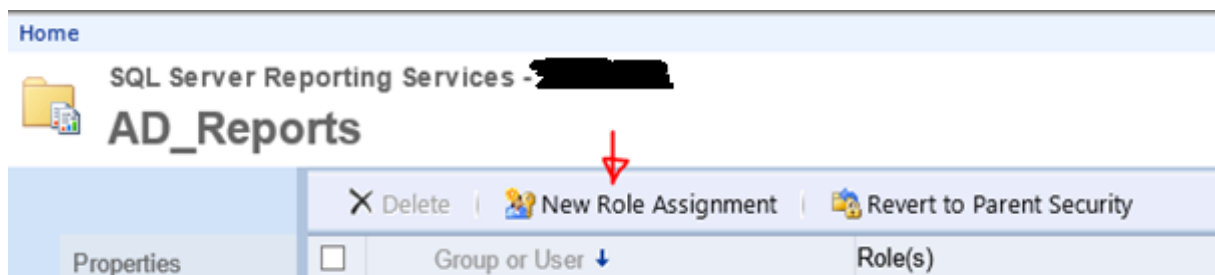
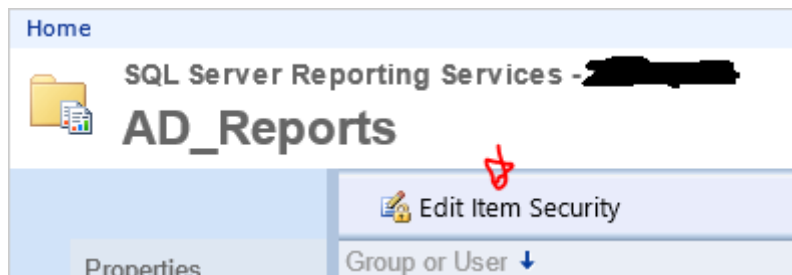
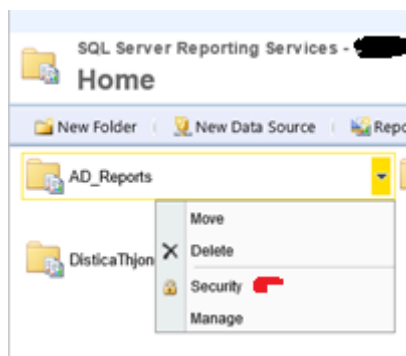


Description:

☐ Hide in tile view

OK

Cancel



Home



SQL Server Reporting Services - [REDACTED]

New Role Assignment

Use this page to define role-based security for AD_Reports.

Group or user name: [REDACTED]SG-ADreports



Select one or more roles to assign to the group or user.

<input type="checkbox"/>	Role ↓	Description
<input checked="" type="checkbox"/>	Browser	May view folders, reports &
<input type="checkbox"/>	ConfigMgr Report Administrators	May perform all tasks rela
<input type="checkbox"/>	ConfigMgr Report Users	May run reports and creat
<input type="checkbox"/>	Content Manager	May manage content in th
<input type="checkbox"/>	My Reports	May publish reports and li
<input type="checkbox"/>	Publisher	May publish reports and li
<input type="checkbox"/>	Report Builder	May view report definitions

OK

Cancel

Home



SQL Server Reporting Services - [REDACTED]

AD_Reports

New Folder | New Data Source | Report Builder | Folder Settings | Upload File



Home > AD_Reports



SQL Server Reporting Services - [REDACTED]

Upload File

Upload a report (.rdl), model (.smdl), shared dataset (.rsd), report part (.rsc)

File to upload: E:\Temp\AD_Events.rdl

Browse...



Name: AD_Events

☐ Overwrite item if it exists

OK

Cancel

Home > AD_Reports



SQL Server Reporting Services - [REDACTED]

Upload File

Upload a report (.rdl), model (.smdl), shared dataset (.rsd), report part (.rsc)

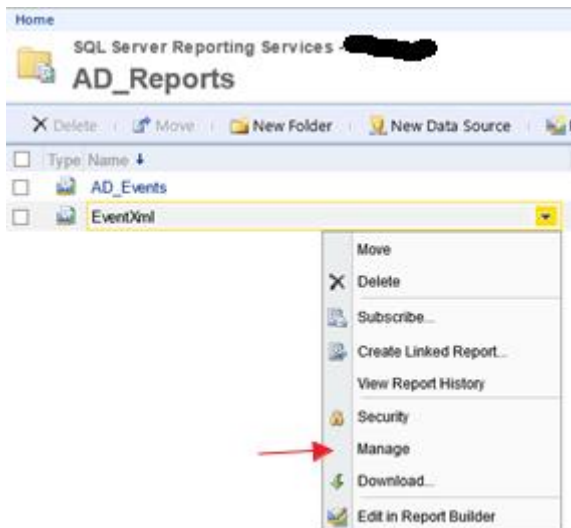
File to upload: E:\Temp\EventXml.rdl Browse...

Name: EventXml

☐ Overwrite item if it exists

OK

Cancel





SQL Server Reporting Services - [REDACTED] EventXml

Delete | Move | Create Linked Report | Download |

Properties

Parameters

Data Sources

Subscriptions

Processing Options

Cache Refresh Options

Report History

Snapshot Options

Security

Modified Date: 21.6.2015 12:51

Modified By: [REDACTED]

Creation Date: 3.6.2015 15:47

Created By: [REDACTED]

Size: 13 KB

Properties

Name:

Description:

☒ Hide in tile view

Create a linked report when you want to use different security or parameters



Properties

Parameters

Data Sources

Subscriptions

Processing Options

Cache Refresh Options

Report History

Snapshot Options

Security

Data Source1☐ A shared data sourceSelect a shared data source ☒ A custom data source

Data source type: Microsoft SQL Server ▼

Connection string: Data Source=[REDACTED] Initial Catalog=AD_DW ▲ ▼

Connect using:

☐ Credentials supplied by the user running the report

Display the following text to prompt user for a user name and password:

☐ Use as Windows credentials when connecting to the data source☐ Credentials stored securely in the report serverUser name: Password: ☐ Use as Windows credentials when connecting to the data source☐ Impersonate the authenticated user after a connection has been made to the da☒ Windows integrated security☐ Credentials are not required

SQL Server Reporting Services - [REDACTED]
EventXml

Properties

Parameters

Data Sources

Subscriptions

Processing Options

Cache Refresh Options

Report History

Snapshot Options

Security

Data Source1☐ A shared data source

Select a shared data source

Browse

☒ A custom data source

Data source type: Microsoft SQL Server

Connection string: Data Source=[REDACTED] Initial
Catalog=AD_DW

Connect using:

☐ Credentials supplied by the user running the report

Display the following text to prompt user for a user name and password:

Type or enter a user name and password to access the data source

☐ Use as Windows credentials when connecting to the data source☐ Credentials stored securely in the report server

User name:

Password:

☐ Use as Windows credentials when connecting to the data source☐ Impersonate the authenticated user after a connection has been made☒ Windows integrated security☐ Credentials are not required

Test Connection

Apply