

# Subscription to SQL Server Reports

**NetWrix Technical Article** 

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#### **Contacting NetWrix Support**

If you have any questions please feel free to contact the <u>NetWrix support team</u>.

NetWrix provides unlimited phone and email support for customers who purchase the commercial version (including evaluation). In addition, on the <u>NetWrix Support Forum</u>, a limited support is provided for customers who use the freeware version.

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## **Applies To**

This article applies to the following products of NetWrix:

- Active Directory Change Reporter 6.0 and later
- Event Log Manager 3.0 and later
- Exchange Change Reporter 6.0 and later
- File Server Change Reporter 3.2 and later
- Group Policy Change Reporter 6.0 and later
- Network Infrastructure Change Reporter 1.1 and later
- Privileged Account Manager 4.0 and later
- Server Configuration Change Reporter 3.0 and later
- SharePoint Change Reporter 1.5 and later
- SQL Server Change Reporter 2.2 and later
- VMware Change Reporter 3.0 and later

This document applies to Microsoft SQL Server 2005, 2008, 2008 R2. Note that you cannot use procedures described here if your products employ Express editions of Microsoft SQL Server.

## Summary

NetWrix products provide advanced reports on their activities managed with Microsoft SQL Server Reporting Services (hereafter SSRS).

One of the frequent questions reported to technical support is how to configure subscription to those reports. This article explains how to perform this operation.

## How to Subscribe to SSRS Reports

The subscription to SSRS reports includes the following major steps:

- Uploading report templates to Report Server.
- Specifying credentials to access data sources.
- Configuring Reporting Services settings.
- Verifying SQL Server Agent status.
- Some final steps.

### **Uploading Report Templates to Report Server**

To upload report templates to Report Server, perform the following steps:

- 1. Start NetWrix Enterprise Management Console (All Programs > NetWrix > Enterprise Management Console).
- 2. In the console tree, under **Managed Objects**, expand the node with managed objects whose reports you want to upload, select **Advanced Reports**, and then open the **Settings** tab in the details pane:



- 3. Under Web-based Reporting, click Upload.
- 4. Repeat Steps 2 to 3 for all types of managed objects of interest.

#### **Specifying Credentials to Access Data Sources**

For successful subscription, you must explicitly specify credentials that Report Server will use to access report data sources.

To specify credentials for accessing data sources, do the following:

- 1. Perform Steps 1 to 2 of the procedure in <u>Uploading Report Templates to Report Server</u>.
- 2. In the detail pane, under **SQL Reporting Services**, click **View** next to **Report Manager URL**. *This opens the SQL Server Reporting Services root folder.*
- 3. Click link to NetWrix product of interest (e. g. Home | Netwrix AD Change Reporter or Home | NetWrix Group Policy Change Reporter), and then click Data Source:

🏉 Report N	Manager - Windows Internet	Explorer						_ 🗆 ×
$\bigcirc$	<ul> <li>Image: http://ed6/Reports/Pages/</li> </ul>	/DataSource.aspx?ItemPath=%/	2fNetWrix+File+Serv	ver+Change+Re	eporter%2fData+Sou	rce 💌 🍫 🗙 Liv	re Search	<b>₽</b> -
🚖 🎄	<i> Report Manager</i>		1				• 🗟 • 🖶 • 🔂	Page + 🍥 Tools + »
	SOL Server Reporting 9	Services				Home   My Subs	scriptions   Site	Settings   Help 🔺
- 🌲	Home > NetWrix File Se	erver Change Reporter :	>			Search f	ior:	<b>→</b>
· ·	Data Source							
Propertie	S Dependent Items Subs	<u>criptions</u>						
Conoral	Name:	Data Source						
Security	Description:			<b>A</b>				
				-				
		□ Hide in list view						
		🗹 Enable this data so	urce					
	Data Source Type:	Microsoft SQL Server		•				
	Connection string:	Data Source=ed6;Init	ial	<b>A</b>				
		porter;	_Server_Chang	e_ke				
	Connect using:							
	C Credentials su	upplied by the user runr	ning the report					
	Display the f	following text to prompt	t user for a use	er name and	password:			
	Type or ent	er a user name and pas	sword to acce	ss the data	sour			
	🗖 Use as W	indows credentials whe	n connecting t	to the data s	source			
	Credentials st	tored securely in the re	port server					
	User name:	ED6\Administrator						
	Password:	•••••						
	☑ Use as W	/indows credentials whe	n connecting t	o the data s	source			
	🗆 Imperson	ate the authenticated (	user after a co	nnection has	s been made to	the data source	9	
	C Windows inte	grated security						
	C Credentials a	re not required						
	Apply Move	Generate Model	Delete					-
						Trusted sites   Prote	cted Mode: Off	🔍 100% 🔻 🏑

- 4. On this page, do the following and click Apply:
  - Select Credentials stored securely in the report server.
  - Select the Use as Windows credentials ... check box.
  - In **User name** and **Password**, type user name and password used to access data source.

You must specify those credentials each time after you uploaded report templates to Report Server (see <u>Uploading Report Templates to Report Server</u>).

#### **Configuring Reporting Services Settings**

You must specify Simple Mail Transport Protocol (SMTP) settings that enable report server e-mail delivery.

To specify those settings, start Reporting Services Configuration Manager (e.g. for Microsoft SQL Server 2008, use the following startup shortcut: All Programs > Microsoft SQL Server 2008 > Configuration Tools > Reporting Services Configuration Manager):

Reporting Services Configuration Mana	ager: ED6\MSSQLSERVER .				
Microsoft SQL Server 2008 Reporting Servi	ices				
Reporting Services Config	guration Manager				
말 Connect	E-mail Settings				
ED6\MSSQLSERVER					
service Account	Io use report server e-mail, specify an existing SMIP server and an e-mail account that can send e-mail from that server.				
🧀 Web Service URL	SMTP Settings				
🗍 Database	To edit, change the fields and click the Apply button.				
🎯 Report Manager URL	Sender Address: reportadmin@mail.mycompany.com				
🚖 E-mail Settings	Current SMTP Delivery Method: Use SMTP server				
Execution Account	SMTP Server: smtp.maul.mycompany.com				
R Encryption Keys	Results				
📇 Scale-out Deployment	Apply Sender E-Mail Settings				
	Your configuration has been updated with your new e-mail information.				
0	<u>Apply</u>				

In this window, perform the following steps:

- 1. Click E-mail Settings.
- 2. In **Sender Address**, type the e-mail address to use in the *From:* field of generated e-mail. You must specify a user account that has permission to send mail from the SMTP server.
- 3. In **SMTP Server**, type the SMTP server name or gateway to use. You can use a local server or any SMTP server on your network.
- 4. For changes to take effect, click **Apply**.

## Verifying SQL Server Agent Status

For subscription to work properly, ensure that SQL Server Agent is running and properly configured.

To verify the status of this service, do the following:

1. Open Services in Administrative tools:

Q Services						
Eile Action View Help						
Services (Local)	Name 🔺	Description	Status	Startup Type	Log On As	
	SQL Active Directory Helper Service	Enables integration with Active Direct		Disabled	Network Service	
	SQL Full-text Filter Daemon Launcher (	Service to launch full-text filter daem	Started	Manual	Local Service	
	SQL Server (MSSQLSERVER)	Provides storage, processing and co	Started	Automatic	Network Service	
	Q SQL Server Agent (MSSQLSERVER)	Executes jobs, monitors SQL Server,	Started	Automatic	Network Service	
	SQL Server Analysis Services (MSSQLS	Supplies online analytical processing (	Started	Automatic	Network Service	
	SQL Server Browser	Provides SQL Server connection infor	Started	Automatic	Local Service	
	SQL Server Integration Services 10.0	Provides management support for SS	Started	Automatic	Network Service	
	SQL Server Reporting Services (MSSQL	Manages, executes, renders, schedu	Started	Automatic	Network Service	
	SQL Server VSS Writer	Provides the interface to backup/rest	Started	Automatic	Local System	
	SSDP Discovery	Discovers networked devices and ser		Disabled	Local Service	
	Superfetch	Maintains and improves system perfo		Disabled	Local System	<b>T</b>
	1	•				
I	Extended & Standard					

2. Ensure that for SQL Server Agent, the Status column displays *Started* and Startup Type is set to *Automatic*.

### **Steps to Complete Subscription**

To complete subscription procedure, reopen Report Manager (see Steps 1 to 2 of the procedure in <u>Specifying Credentials to Access Data Sources</u> earlier in this paper), and then complete the following steps:

1. On the **Contents** tab, click report to which you want to subscribe (such as NetWrix File Server Change Reporter > Successful Modifications > All File Server Changes in this screenshot):

🖉 Report Manager - Windows Internet Explorer			
COO - Imports/Pages/Folder.aspx?ItemPath=%2fNetWrix+File+S	Server+Change+Reporter%2f5 🔽 🍫 🗙 Live Search	<b>₽</b> -	
😪 🍲 🌈 Report Manager	🟠 🔹 🔜 🔹 🔂 🖉 🗛	e 🕶 🎯 T <u>o</u> ols 🕶 »	
SQL Server Reporting Services Home > NetWrix File Server Change Reporter > Successful Modifications Contents Properties	<u>Home   My Subscriptions   Site Se</u> Search for:	:tings   Help ▲	
📫 New Folder 🛯 🏘 New Data Source 🔓 Upload File  🔞 Repo	ort Builder 🔛 🔛	now Details	
<ul> <li>All File Server Changes Shows all created, deleted, and modified files, folders, shares, and permissions.</li> <li>All File Server Changes by Date Shows all created, deleted, and modified files, folders, shares, and permissions, grouped by modification date. This report is very useful for compliance audits to show that all data modifications are traceable and auditable.</li> <li>All File Server Changes by Server Change all end deleted, and modified files, folders,</li> </ul>	<ul> <li>Files and Folders Deleted Lists all file server changes where the action is "Re grouped according to the specified filter.</li> <li>Files and Folders Moving Shows all moved files and folders for a specified pe time.</li> <li>Files and Folders Renaming Shows all renamed files and folders for a specified time.</li> </ul>	moved", riod of period of	
<ul> <li>Shows all created, deleted, and modified files, folders, shares, and permissions, grouped by file server name.</li> <li>All File Server Changes by Type Lists all file server changes grouped by object type according to specified filter.</li> <li>All File Server Changes by User Shows all created, deleted, and modified files, folders, Shows all created, veleted, with the server of the server deleted.</li> </ul>	<ul> <li>Files Folders and Shares Modified</li> <li>Shows who changed what files, folders and shares, and when, including permission changes. You can restore modified files to their previous versions if file versioning is enabled in program options.</li> <li>Folder Changes Shows folder changes.</li> </ul>		
changes, and permissions, grouped by user fame who made	Permission Changes	▼ € 100% ▼	

2. On the page that opens, click **New Subscription**. *This opens the New Subscription page:* 

Report Deli	very Options				
Specify opti	ons for report delivery.				
Delivered by	E-Mail				
To:	helpdesk@mail.mycompany.com				
Cc:					
Bcc:					
	(Use (;) to separate multiple e-mail addresses.)				
Reply-To:					
Subject:	@ReportName was executed at @ExecutionTime				
	Include Report Render Format: MHTML (web archive)				
	Include Link				
Priority: Commont:	Normal				
comment.					
	×				
Subscription	Processing Ontions				
Specify optic	ins for subscription processing.				
Run the subs	cription:				
When the	scheduled report run is complete, Select Schedule				
At 8:00 A	M every Mon <u>of every week, starting 3/10</u> /2011				
On a shar	ed schedule: Select a shared schedule 💌				
Depert Days					
Snecify the r	meter values				
Erom:					
3/9/2011	Prom:				
-					
2/10/201					
5/10/2011 0.50.17 AM BIOSE DETAUL					
Who Changed (Domain\User):					
1%					
Sort By:					
Where	L Use Default				
UNC Path:					
% Use Default					
Server Name:					
ed6	💌 🗹 Use Default				

- 3. On the **New Subscription** page, under **Report Delivery Options**, ensure that **Delivered by** is set to **E-Mail**, and in **To**, specify the address of the report recipient.
- Configure appropriate settings under Report Processing Options and Report Parameter Values — for more information about those settings, see "New Subscription / Edit Subscription Page" in Reporting Services - Report Manager Help.
- 5. For changes to take effect, click **OK**.

## **Additional Information**

Last updated: March 21, 2011

For more information, refer to Microsoft SQL Server Reporting Services documentation.