

Knowledge Base Article: Article 213

NSI Click&DECiDE Migration
How to install Click & DECiDE - NSI 10.1.2 over Net Report 4.40.3**Date:** May 21st, 2010**Table of Contents**

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Before the Migration

Send us the audit document you have generated using the files included in the zip **ClicknDECiDE_NSI_Migration_Request.zip** found here:

http://www.clickndecide.com/downloads/WebDoc/Support/ClicknDECiDE_NSI_Migration_Request.zip

Once done, we will provide you a new license for the Click & DECiDE - NSI 10.1.2.

Download the last release of Click & DECiDE here:

http://license.clickndecide.com/downloads/cndnsi_request.aspx

Note: the operations described in this article require a full access to the computer. Be sure to be logged as an Administrator.

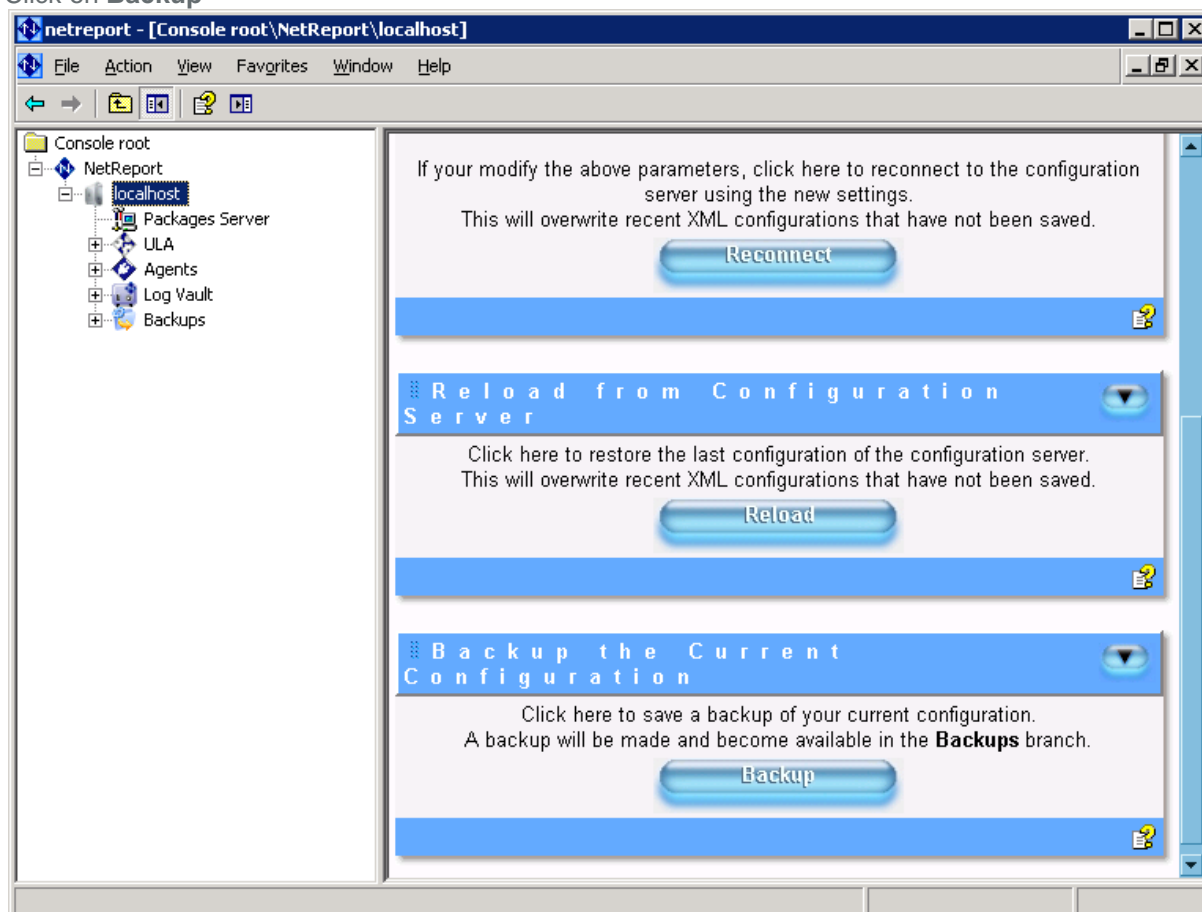
Section 1: Backup your current configuration

Backup your License Certificates

1. Save your NetReport license at:
C:\Program Files\NetReport\NetReport\license.cert (by default).
2. If applicable, save your DataSet Vision license at:
C:\Program Files\NetReport\Dataset\d7vision.cert (by default).
C:\Program Files\NetReport\WebPortal\d7vision.cert (alternate).

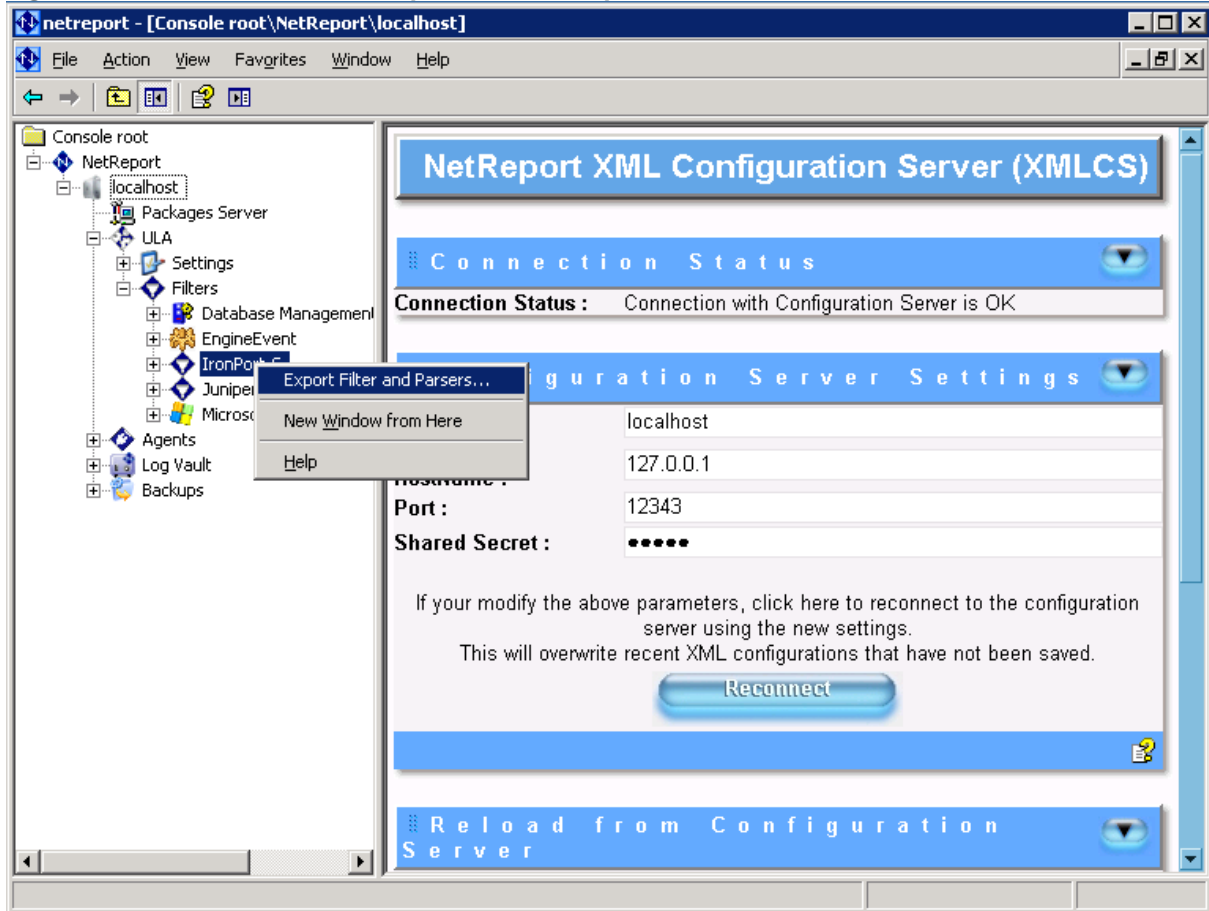
Backup NetReport Configuration

1. Start the **Management Console: Start>All Programs>NetReport>Management Console**.
2. Navigate to **NetReport/Localhost** (by default).
3. Click on **Backup**



4. Save the new folder named **AAAAMMDD-HHMM-user-v440** created in
C:\Program Files\NetReport\NetReport\ConfigurationBackup (by default).
5. Browse to the filter lists **NetReport/localhost/ULA/Filters** (by default).

6. Right click on a filter and select **Export filters and parsers...**

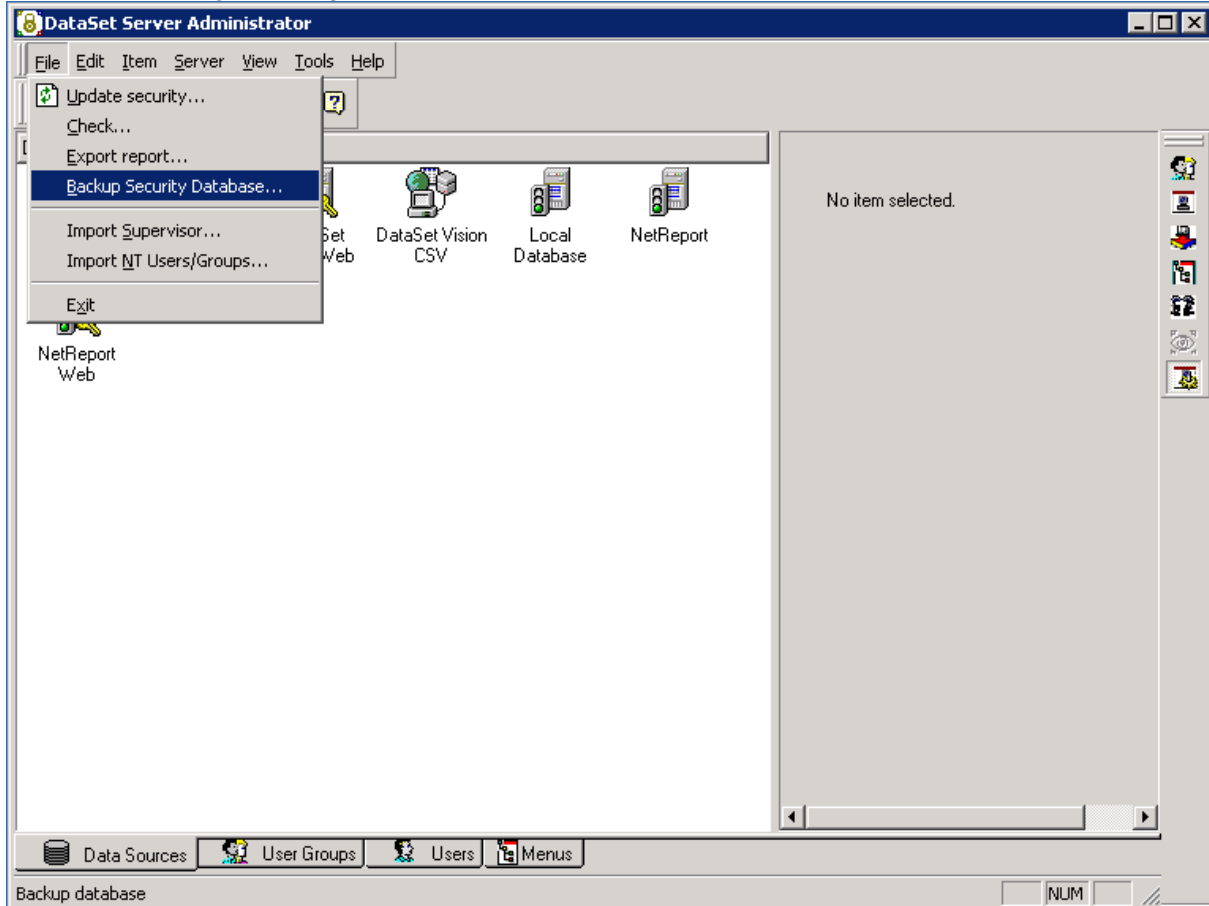


7. Save the configuration for this filter.
8. Repeat step 6. and 7. for every filters except **EngineEvent** and **Database Management - ***.
9. Close the **Management Console**.

Backup the WebPortal Configuration

1. Start the **Web Portal Administrator**: Start>All Programs>NetReport>Web Portal Administrator.

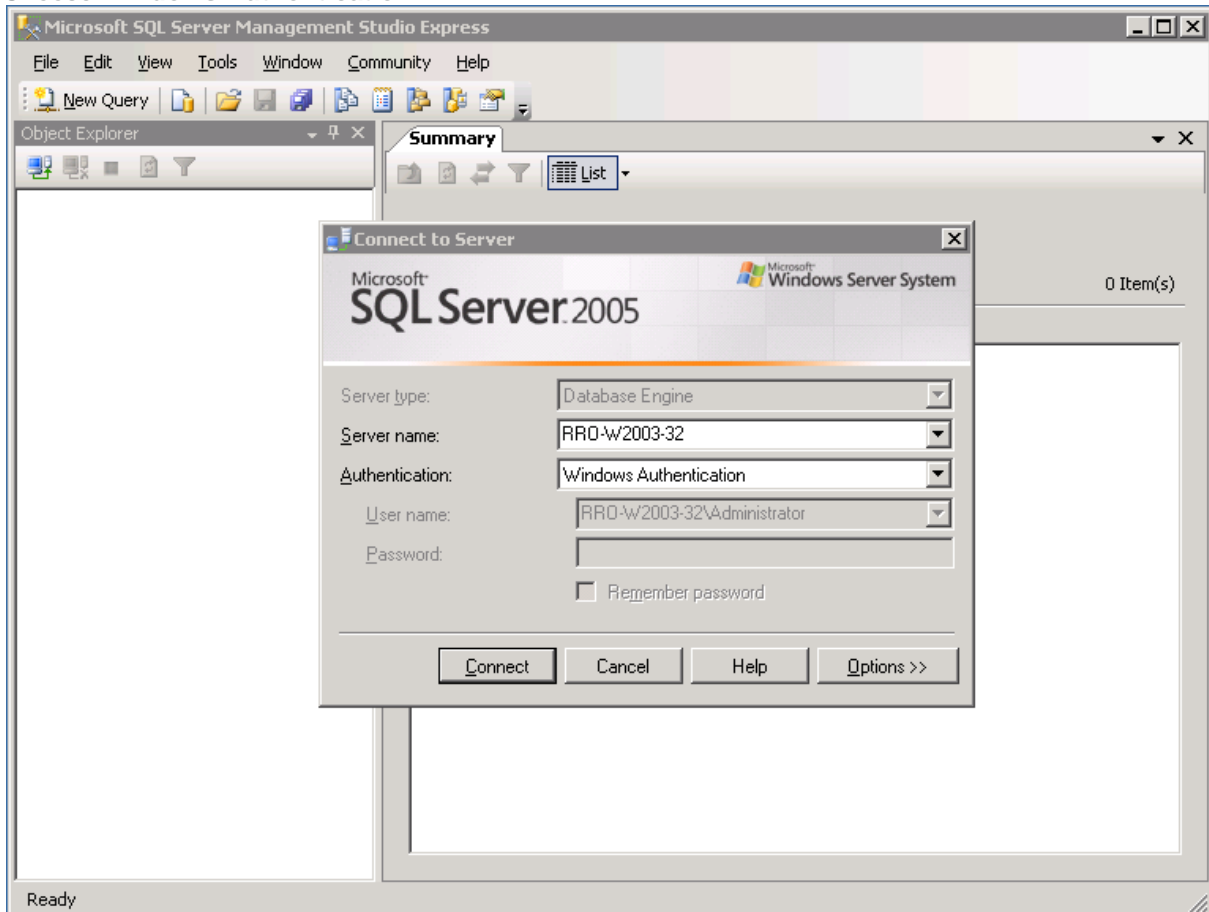
2. Go to **File>Backup Security Database**



3. Save the Security Database configuration into a .bck file.
4. Close **Web Portal Administrator**.
5. Save your own DataSet Vision projects (*.wfv files) created with the NetReport toolkit. We recommend to put these file in the **MyProject** folder located at:
C:\Program Files\NetReport\WebPortal\Runtime_Projects\My Projects (by default).
6. Save the external files (for example, the images) used by your own DataSet Vision projects. We recommend to put these file with the other image files in the **Runtime_projects** folder located at:
C:\Program Files\NetReport\WebPortal\Runtime_Projects (by default).
7. Save your customized standard reports and cubes (if applicable) respectively located in:
C:\Program Files\NetReport\WebPortal\Runtime_Projects\enu (by default) and
C:\Program Files\NetReport\WebPortal\Runtime_Projects\cubes (by default).
8. Save your previously generated reports located in:
C:\Program Files\NetReport\WebPortal\Runtime_Projects\Static (by default).
9. Save your customized menus (if applicable): these are the *.wmu files in the **Runtime_projects** folder located at:
C:\Program Files\NetReport\WebPortal\Runtime_Projects (by default).
10. Save the scheduled tasks configuration file **d7tasks.xml** located at:
C:\Program Files\NetReport\WebPortal\d7tasks.xml (by default).
11. Save your own script (if applicable) which are located at:
C:\Program Files\NetReport\WebPortal\TaskScripts (by default).

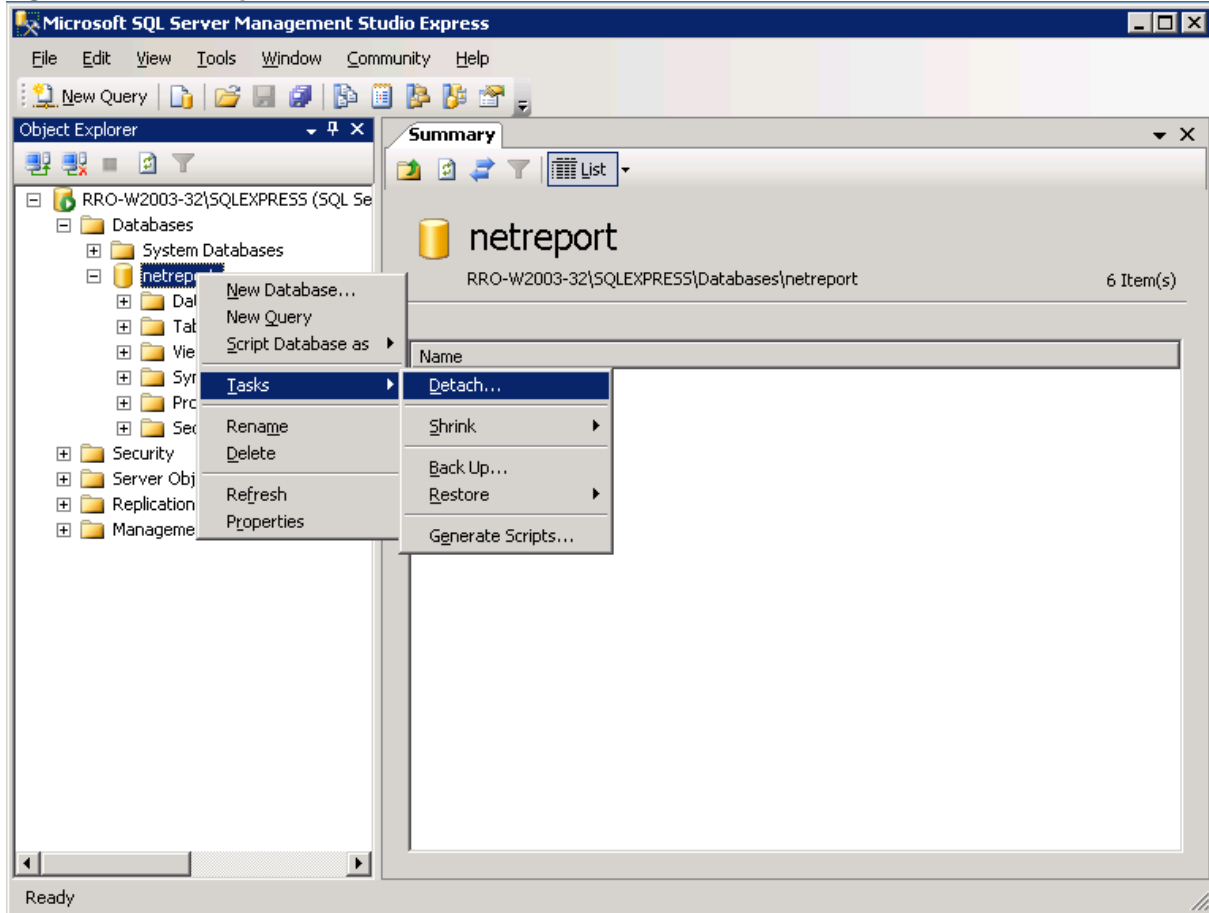
Backup the database files

1. Stop the NetReport services by running the **stopsvc.bat** batch file located at:
C:\Program Files\NetReport\NetReport\stopsvc.bat (by default).
2. Stop the WebPortal services by running the **stopsvc.bat** batch file located at:
C:\Program Files\NetReport\WebPortal\stopsvc.bat (by default).
3. Start **SQL Server Management Studio: Start>All Programs>Microsoft SQL Server 2005>SQL Server Management Studio**.
4. Choose **Windows Authentication**

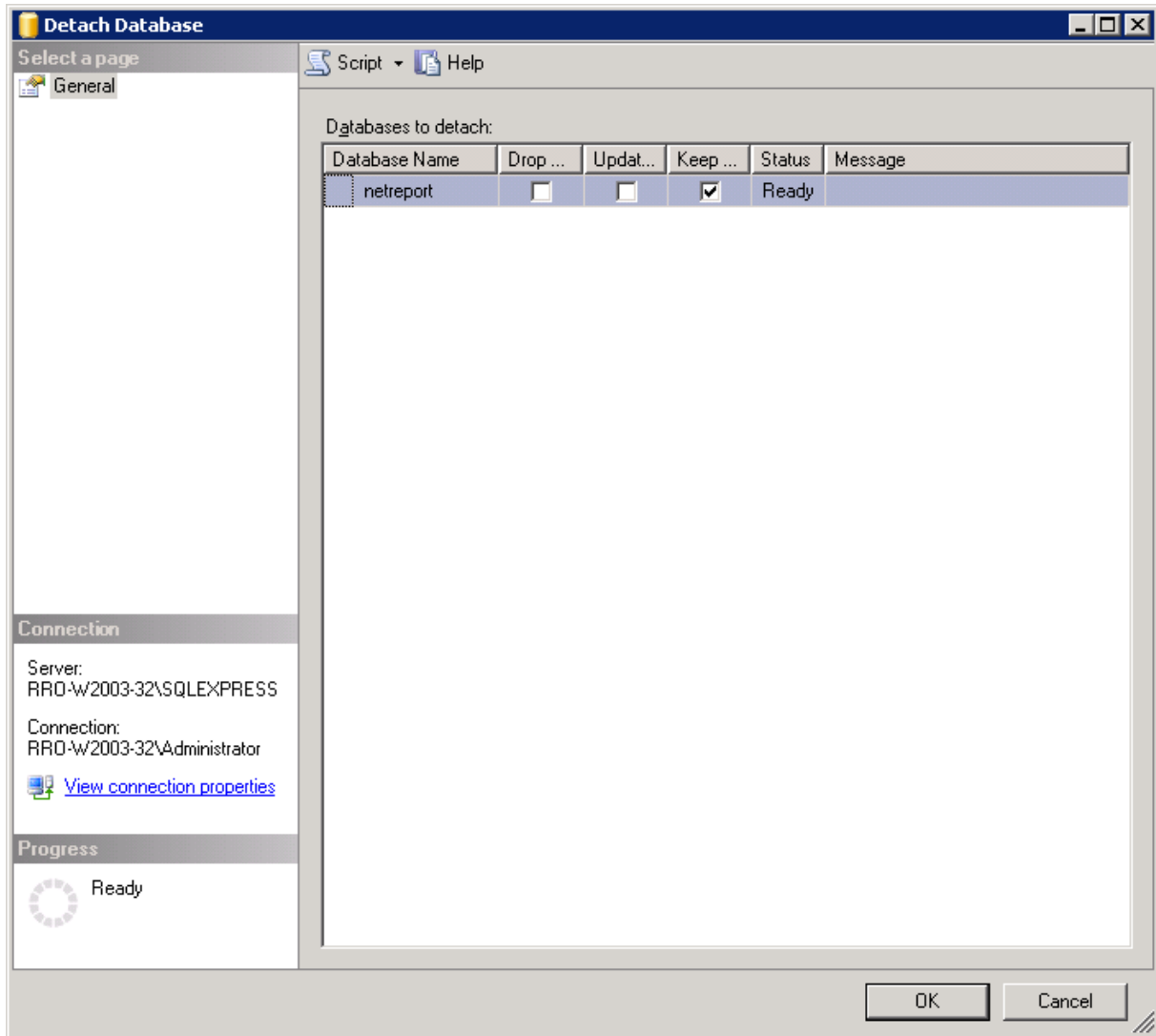


- a. Navigate to **Databases/netreport**.

5. Right Click on **netreport** and select **Tasks>Detach...**

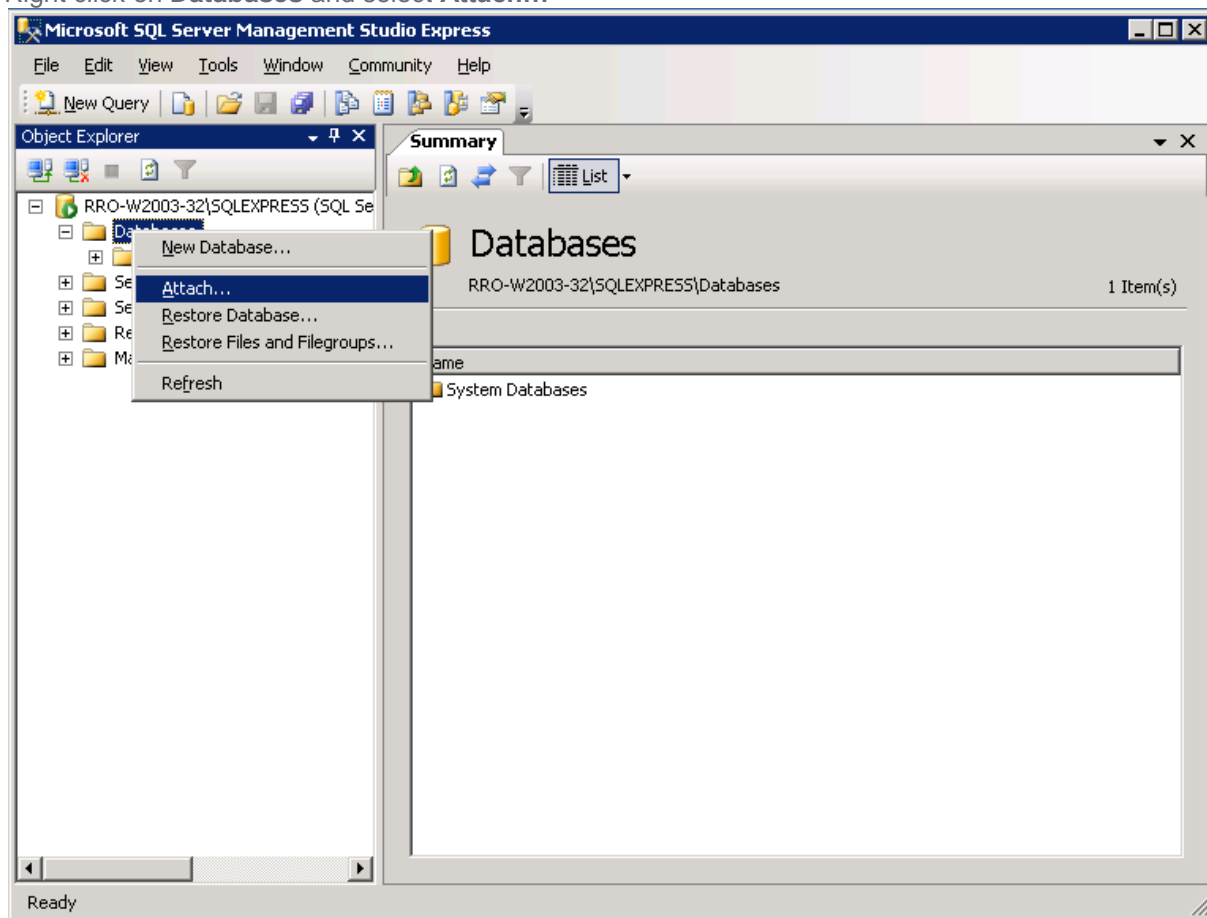


6. Click **OK**.



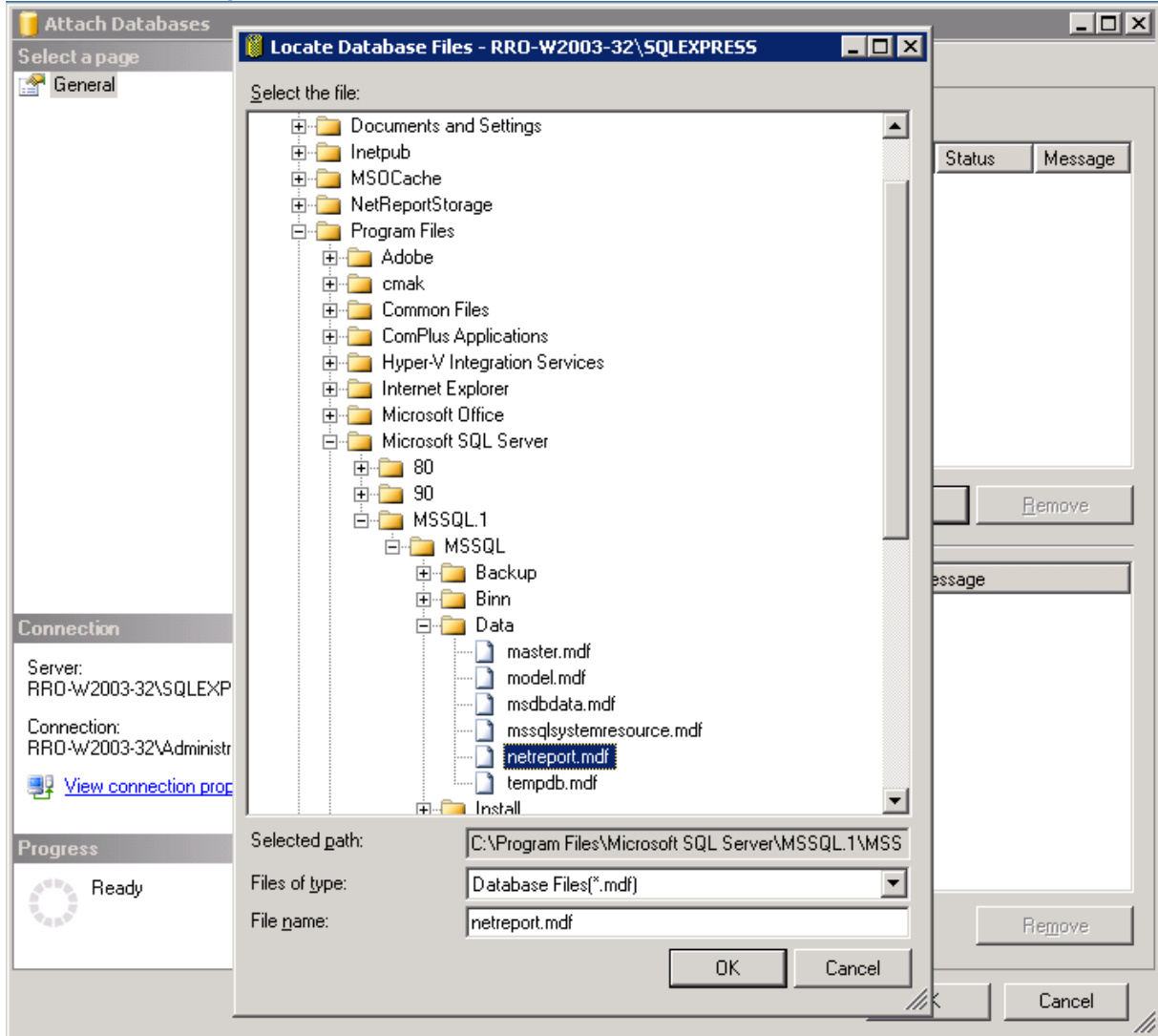
7. Backup the **netreport** database files, **netreport.mdf** and **netreport_log.ldf** located in: **C:\Program Files\Microsoft SQL Server\MSSQL.1\MSSQL\Data** (by default).
8. In **SQL Server Management Studio**, navigate to **Databases**.

9. Right click on **Databases** and select **Attach...**

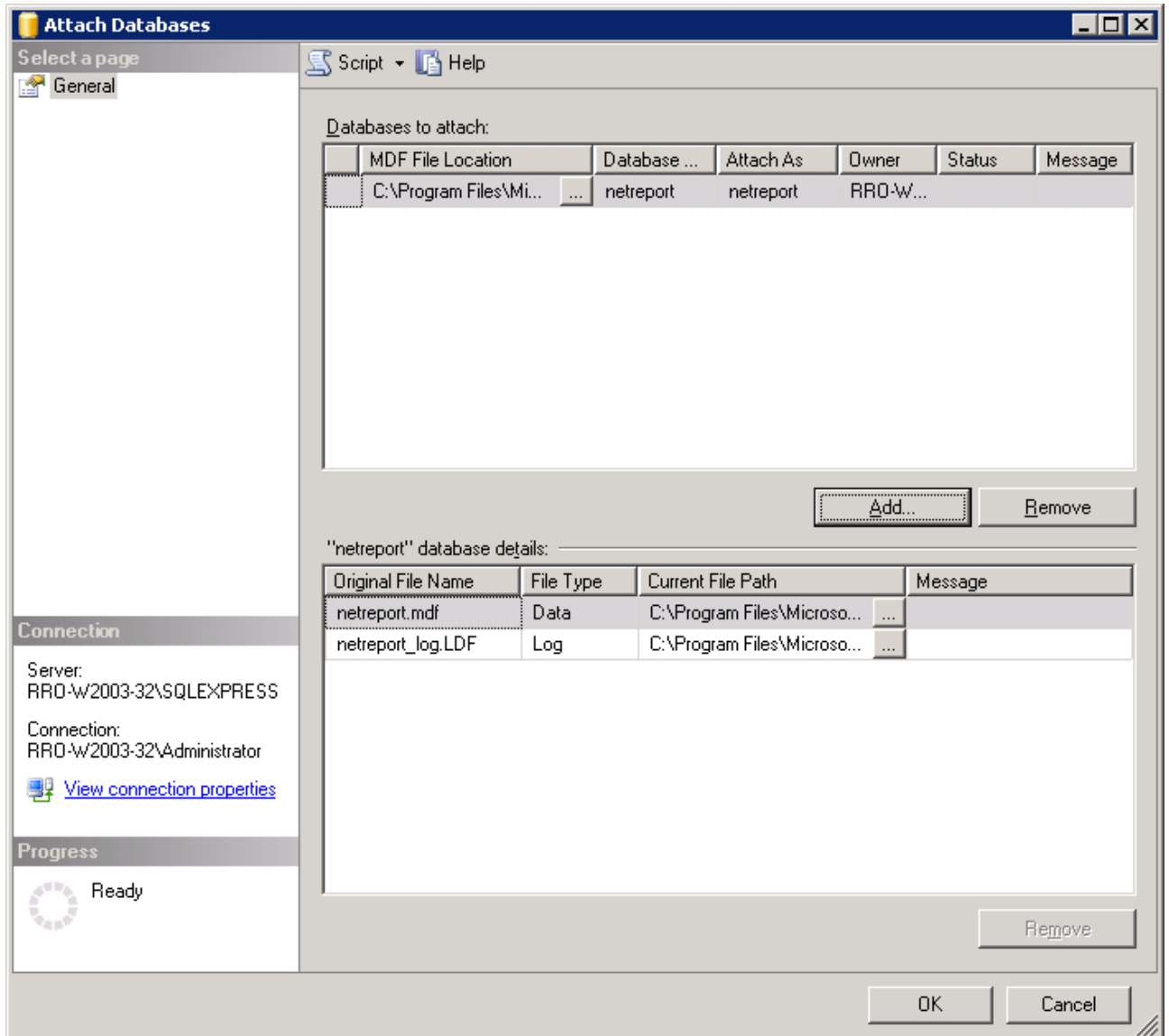


10. Click **Add...**

11. Browse to the **netreport.mdf** database file.



12. Click **OK**.



13. Click **OK**.

14. Close **SQL Server Management Studio**.

Section 2: Uninstall NetReport 4.40

Uninstall the NetReport Toolkit (if applicable)

1. Open **Start>Control Panel>Add or Remove Programs**.
2. Select **DataSet Vision**.
3. Click **Remove**.
4. Confirm that you want to uninstall **DataSet Vision**.
5. Wait for the operation to complete.
6. Reboot your machine.

Uninstall NetReport

1. Open **Start>Control Panel>Add or Remove Programs**.
2. Select **NetReport**.
3. Confirm that you want to uninstall **NetReport**.
4. Wait for the operation to complete.
5. Reboot your machine.

Clean up remaining files

1. Delete the **NetReport** folder located at:
C:\Program Files\NetReport (by default).
2. Open the Windows registry: **Start>Run...** Type **regedit** and click **OK**.
3. Navigate to **HKEY_LOCAL_MACHINE\SOFTWARE\NetReport**.
4. Right click on the **NetReport** key and select **Delete**.
5. Click **Yes**.

Note:

You may wish to back-up your registry if you are not familiar with the fact of working in the registry

you may also delete the Dataset key in HKEY_LOCAL_MACHINE\SOFTWARE\ and in HKEY_CURRENT_USER\SOFTWARE

Section 3: Install Click & DECiDE - NSI

Turning on the Required IIS Features

IIS is a Windows feature, to launch the Turn Windows Features On or Off module please follow the steps below:

1. Select Start> Control Panel.
2. Click Programs and Features.
3. Click Turn Windows Features On or Off
4. Select the following Internet Information Services features:
5. Web Management Tools
 - a. IIS Management Console
 - b. IIS Management Scripts and Tools
 - c. IIS Management Service
6. World Wide Web Services
 - a. Applications Development Features
 - i. ASP.NET
 - ii. ASP
 - b. Security
 - i. Basic Authentication
 - ii. Windows Authentication
7. Click OK

Download and install the .NET 3.5 SP1

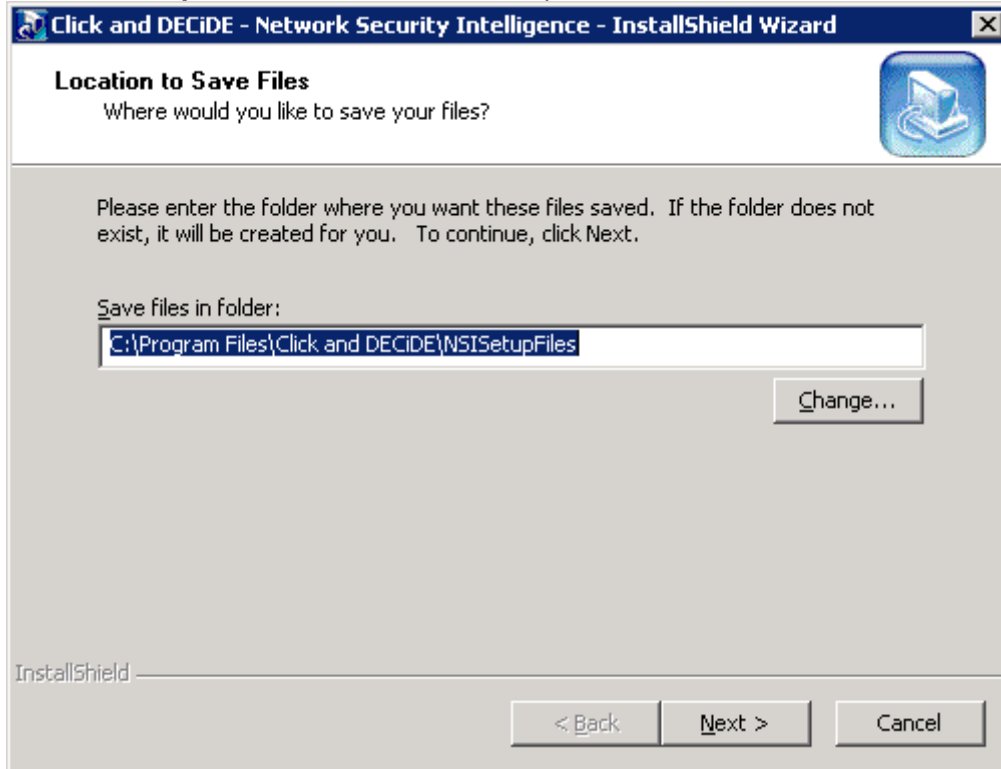
Click&DECiDE need the Framework .NET to work properly. We recommend you to install the latest version before installing Click&DECiDE. Follow the link and install the framework :

<http://www.microsoft.com/downloads/details.aspx?familyid=AB99342F-5D1A-413D-8319-81DA479AB0D7&displaylang=en>

Download and extract the Click & DECiDE - NSI setup

1. Download the Setup of Click&DECiDE 10.01.02, **CnD-NSI.10.01.02.exe**, available at:
http://license.clickndecide.com/downloads/cndnsi_request.aspx
2. Run the **CnD-NSI.10.01.02.exe** setup.

3. Choose where you want to extract the files required for the installation.

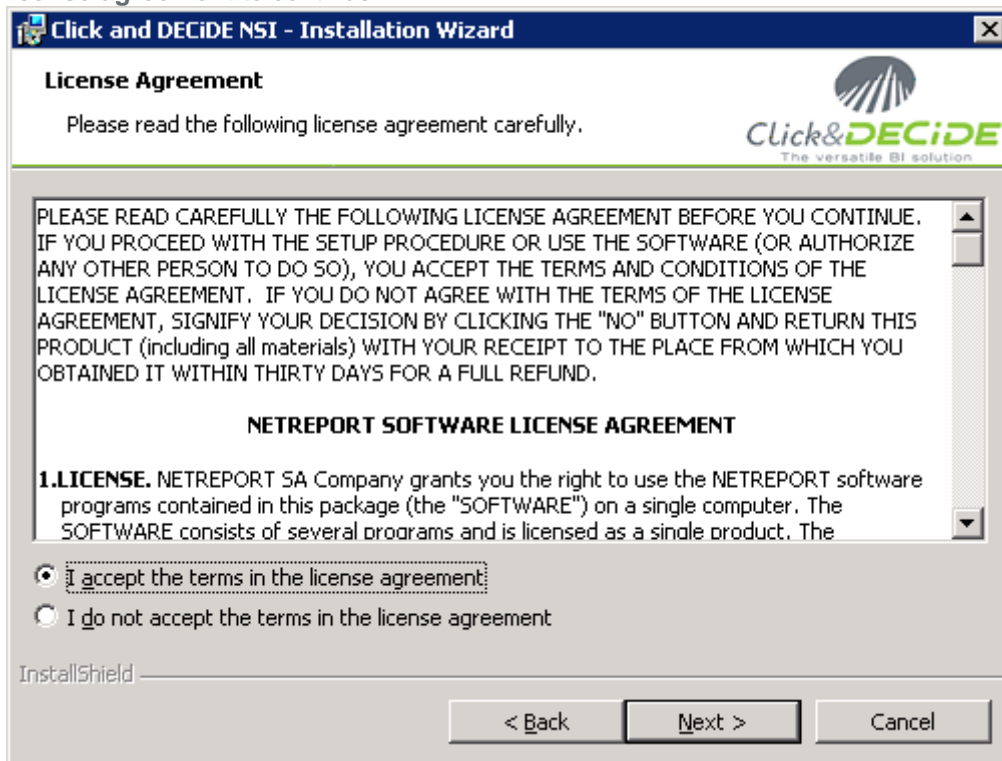


4. Click **Next**.
5. Wait for the extraction to complete. The **Click and DECiDE - NSI Installation Wizard** will launch.

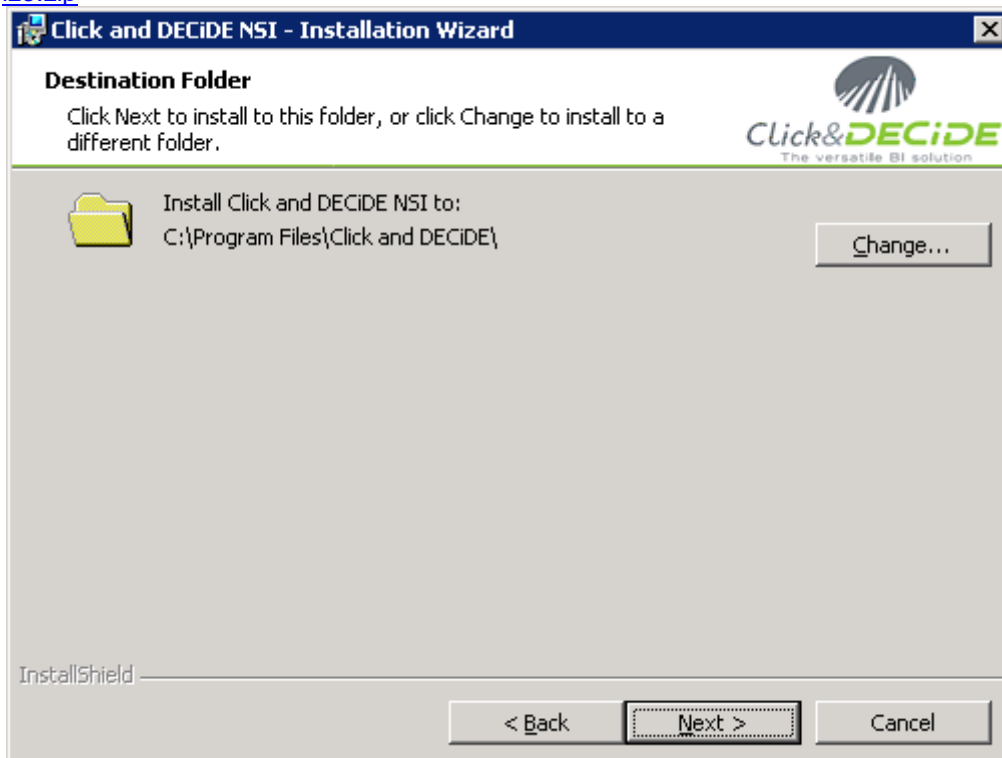
The Click and DECiDE - NSI Installation Wizard

1. If you have any prerequisites, click **Install** to install them.
2. On the **Welcome to Installshield Wizard for Click and DECiDE - NSI** dialog, click **Next**.

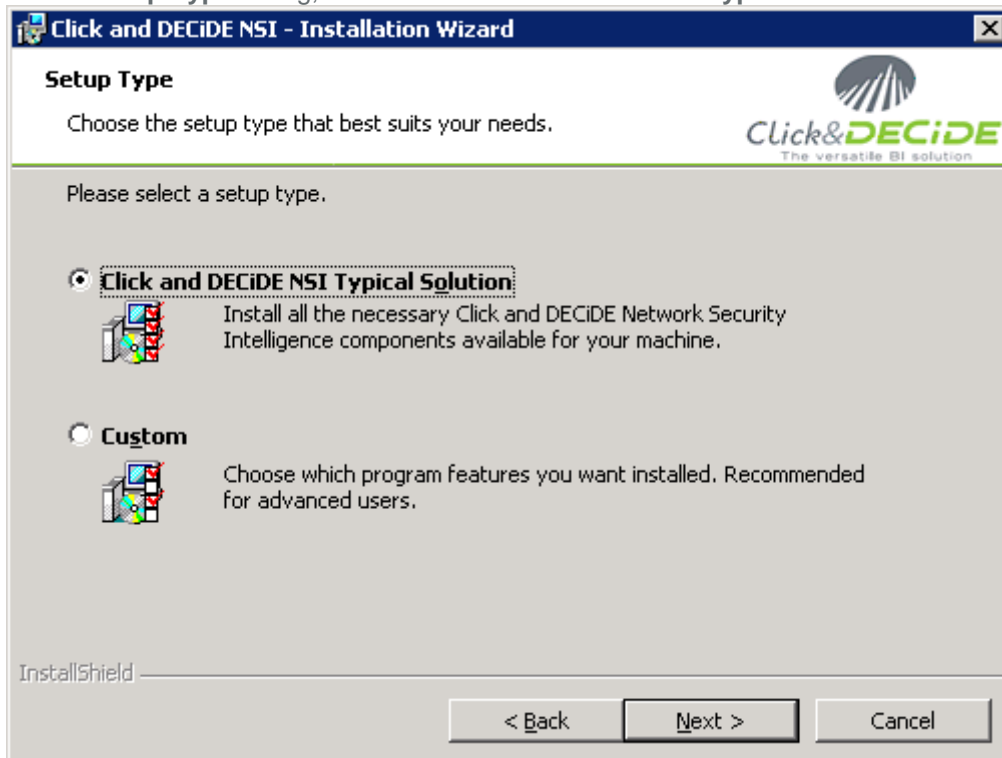
- On the **License Agreement** dialog, read the license agreement and select **I accept the terms in the license agreement** to continue.



- Click **Next**.
- On the **Destination Folder** dialog, select a folder on a partition with enough hard disk space. See recommendations:
http://www.clickndecide.com/downloads/WebDoc/Support/ClicknDECiDE_NSI_Database_Archive_Disk_Size.zip

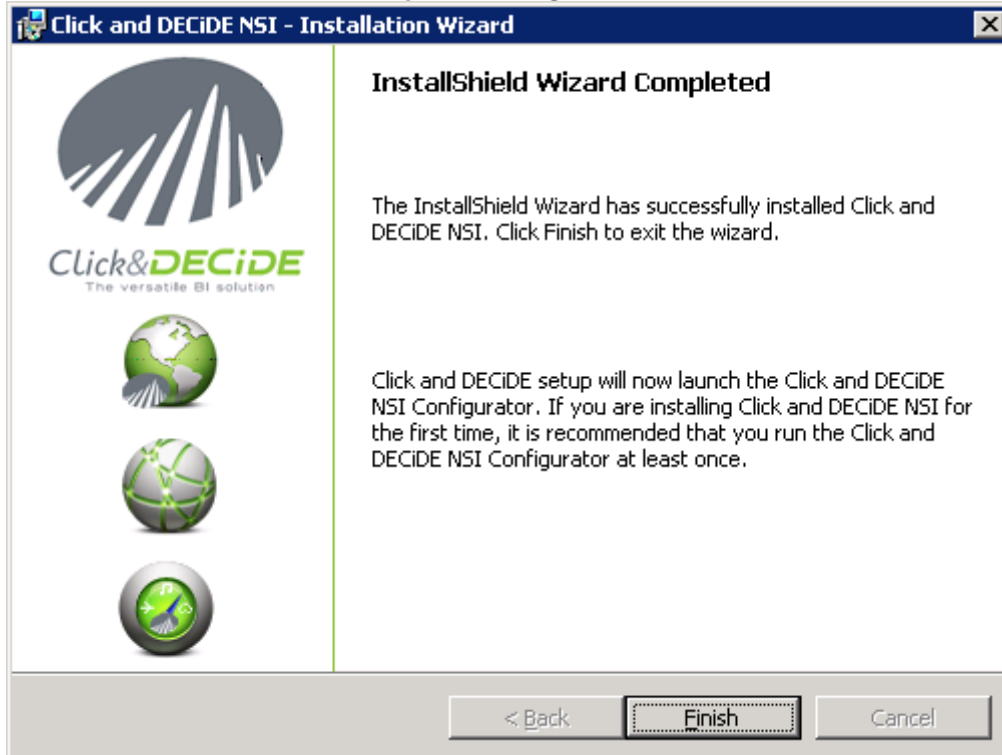


6. Click **Next**.
7. On the **Setup Type** dialog, choose **Click and DECiDE NSI Typical Solution**.

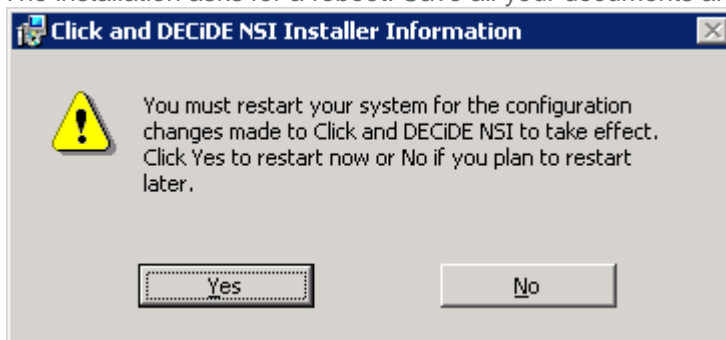


8. Click **Next**.
9. Click **Install**.
10. Wait for the installation to complete.

11. On the InstallShield Wizard Completed dialog, Click **Finish**.



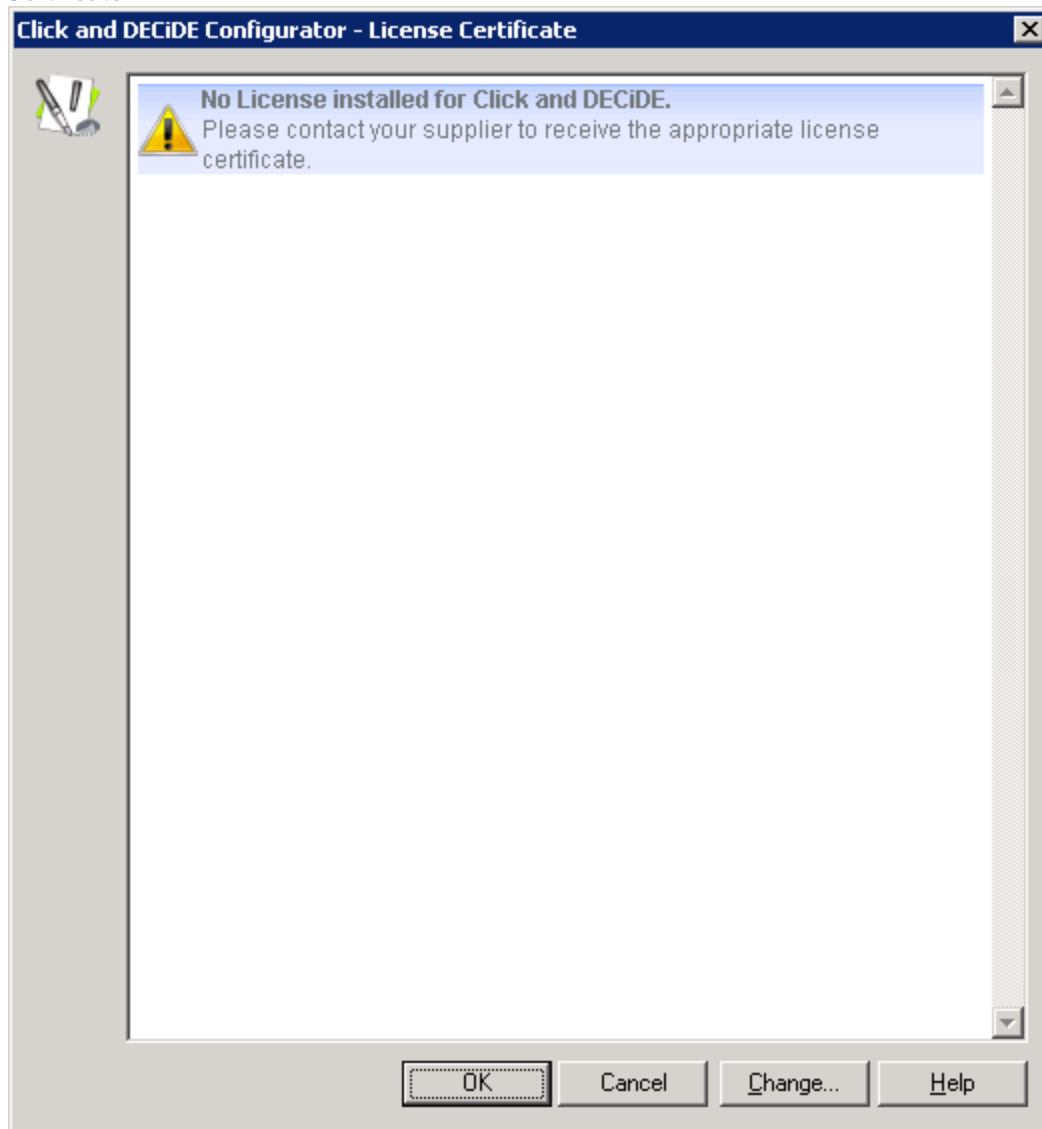
12. The installation asks for a reboot. Save all your documents and close all your application and click **Yes**.



Section 4: Restore your configuration

Enter your License Certificate

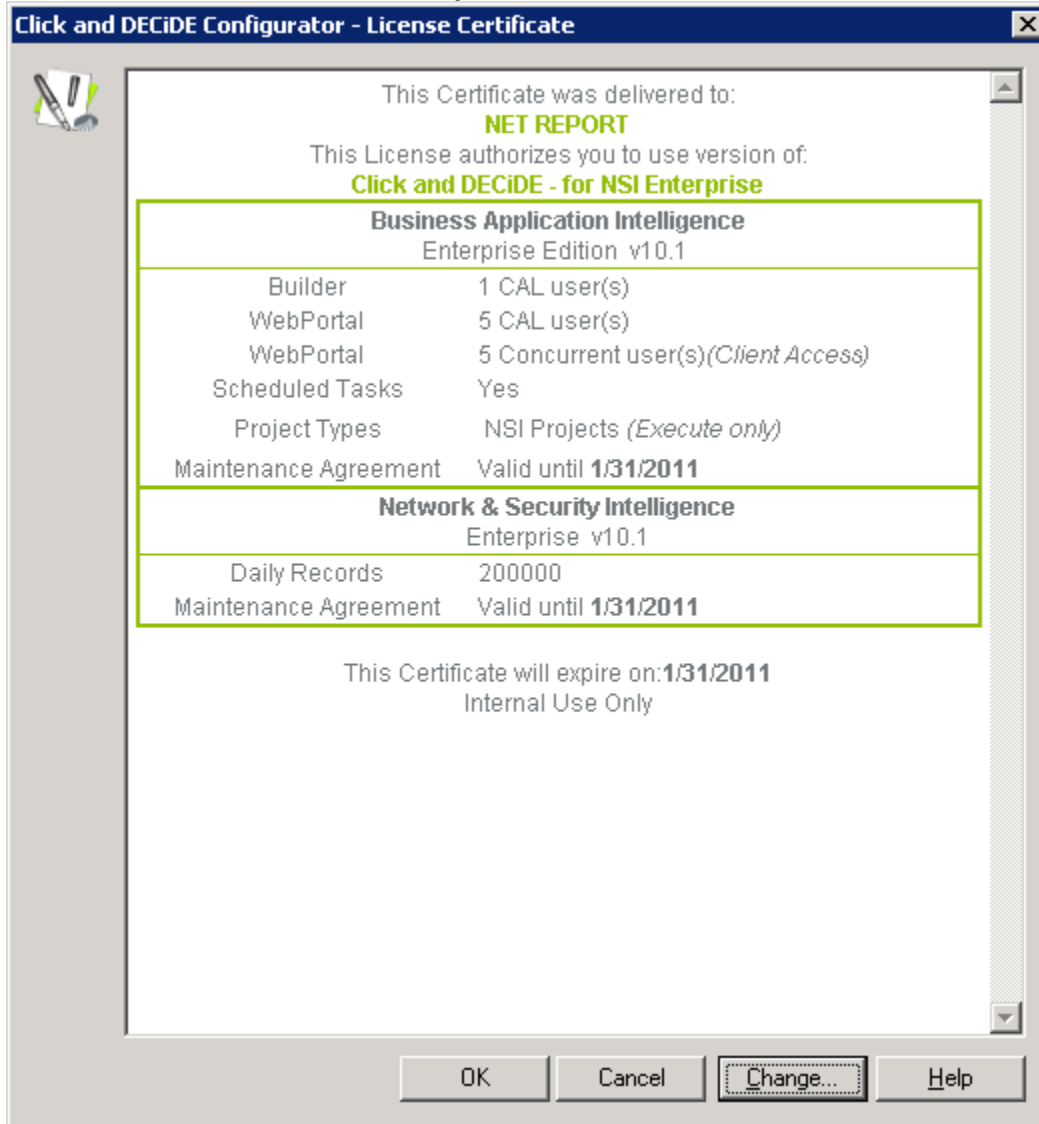
1. After rebooting your machine, the **Log Source Configuration** launches and asks for a License Certificate.



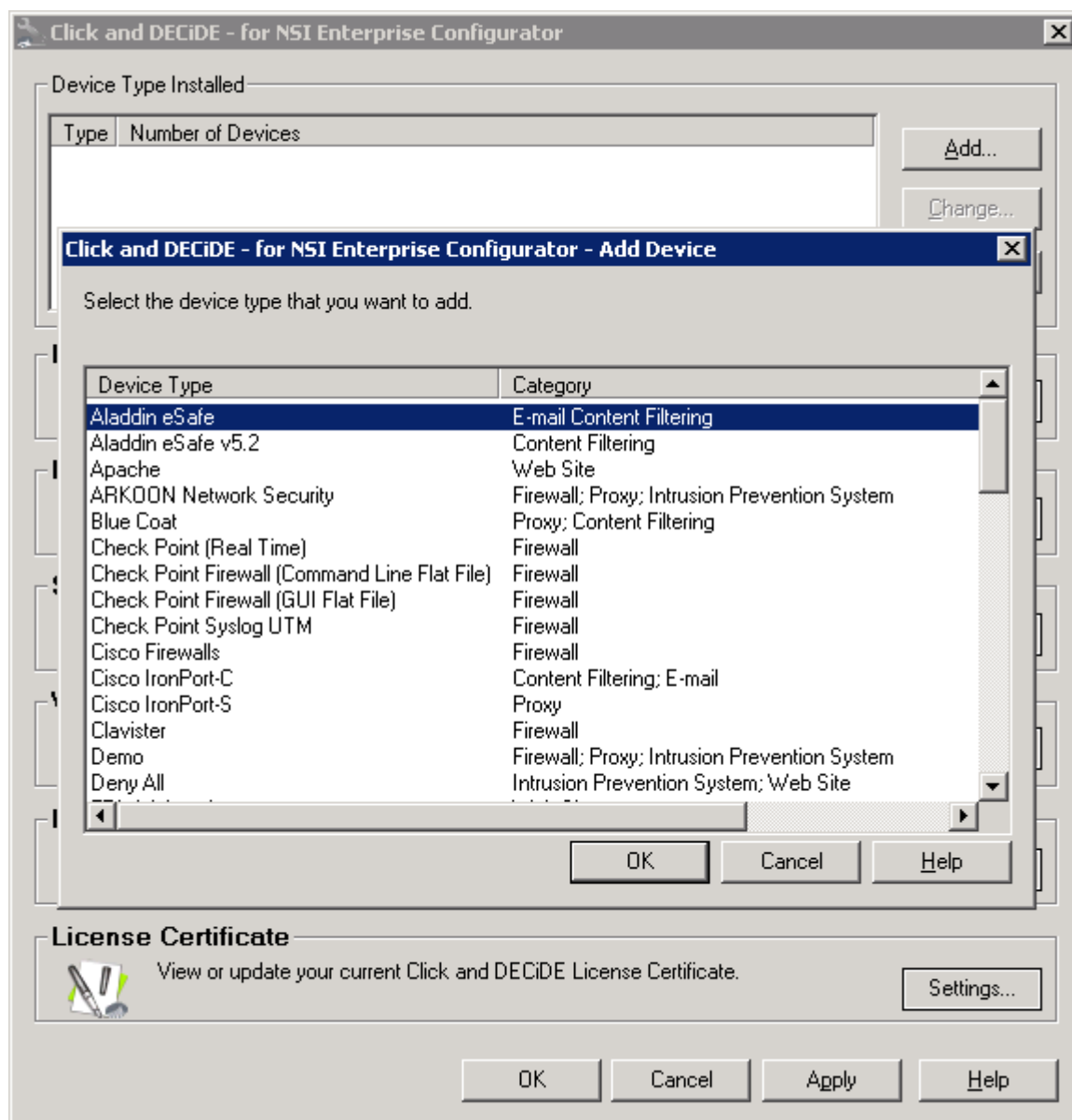
2. Click **Change...**



3. Select the License Certificate we sent you for Click & DECiDE - NSI 10.1.2.



4. Click **OK**.



5. Click **Cancel**.
6. Click **Cancel** and exit the **Log Source Configuration**.

Restore the Web Portal Configuration

1. Restore your own DataSet Vision projects (*.wfv files) created with the NetReport toolkit (see Section 1.C.5). We recommend to put these file in the **MyProject** folder now located at:
C:\Program Files\Click and DECiDE\BA\Runtime_Projects\My Projects (by default).
2. Restore the external files (for example, the images) used by your own DataSet Vision projects (see Section 1.C.6). We recommend to put these file with the other image files in the **Runtime_projects** folder now located at:
C:\Program Files\Click and DECiDE\BA\Runtime_Projects (by default).

Note: Do not replace any existing files. Complete the guide first and then modify the files you think are appropriate.

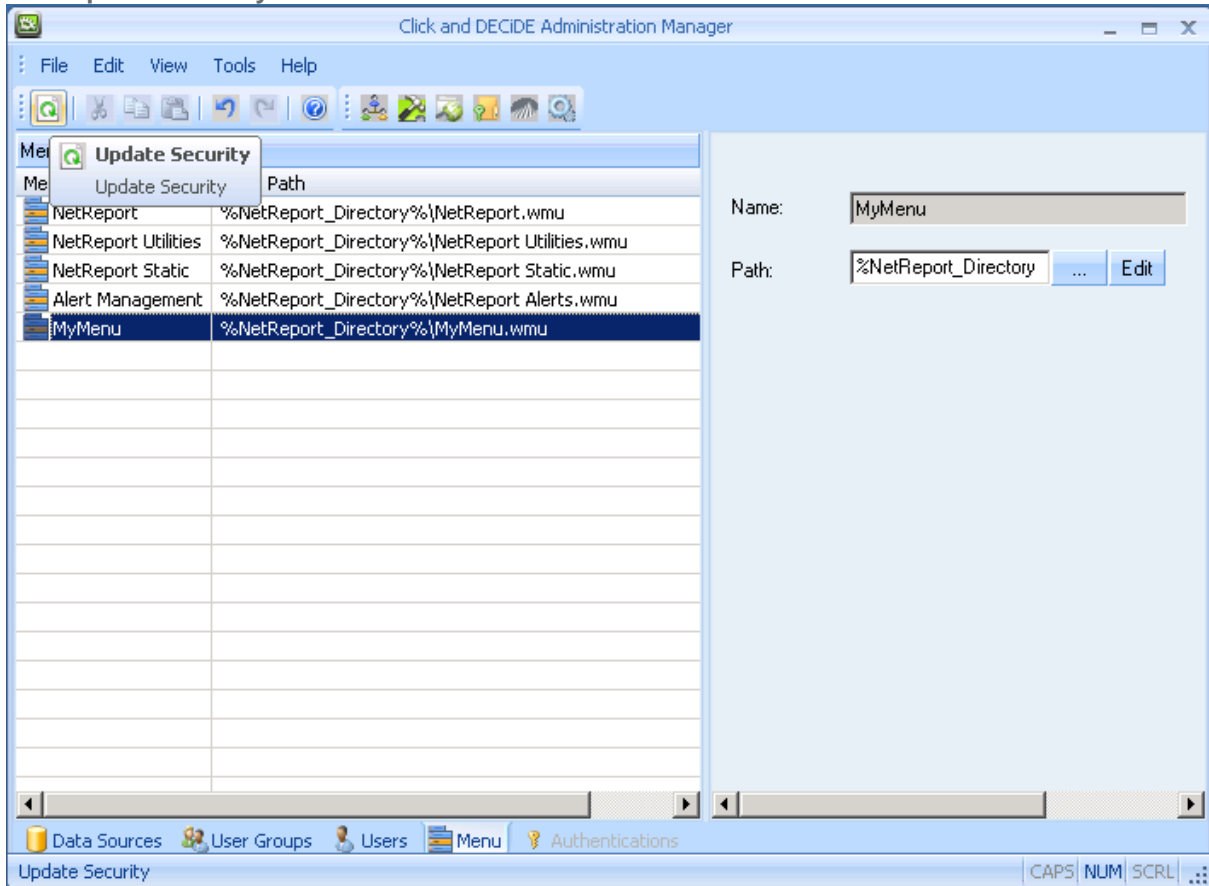
- Note: Do not replace any existing menu. Complete the guide first and then modify the menu with the Menu editor.**

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- [illegible]



- Click **Update Security** icon



- Click **OK**.
- Close **Administration Manager**.

Configure Click & DECiDE - NSI Log Sources

- Run the **Log Source Configuration** tool:
Start>All Programs>Click and DECiDE>Network Security Intelligence>Log Source Configuration.
- Select the same standard devices you analyzed with the previous version and for specific devices, select other device which have the same Category.
- Click **Settings...** in the **Network** section.

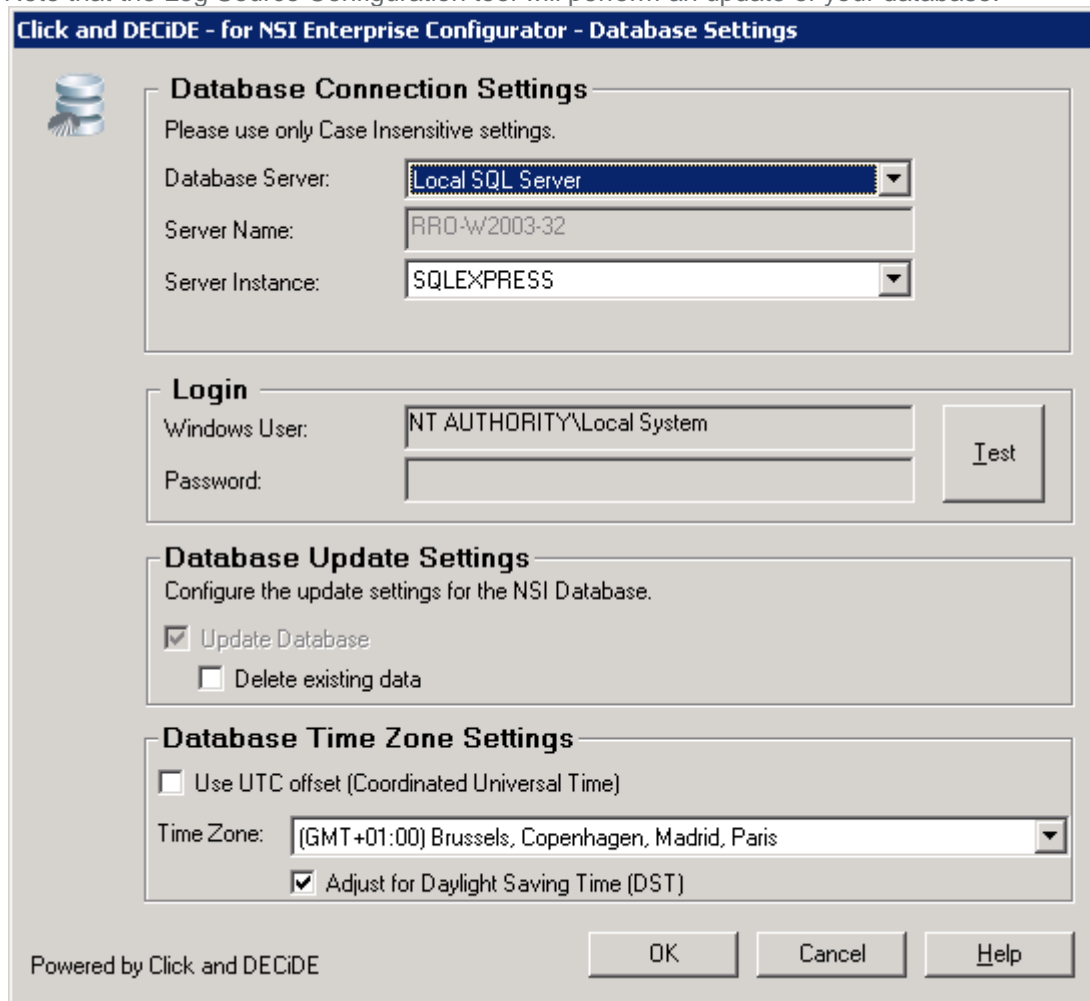
Note: There is no need to reconfigure your network area settings. We will restore these settings in the next chapter.

- Click **OK**.
- Click **Settings...** in the **Database** section.
- Test your database connection.


Note: Click and DECiDE - NSI now uses Windows Authentication to connect to the database. For a remote database connection, additional steps are required. Please refer to the Knowledge Base Article: [How to Connect to Remote SQL Server at:](#)

http://www.clickndecide.com/downloads/WebDoc/CnDRnD/KBA/KBA200_How_to_Connect_to_Remote_SQL_Server.pdf

7. Note that the Log Source Configuration tool will perform an update of your database.



Click and DECiDE - for NSI Enterprise Configurator - Database Settings

 **Database Connection Settings**
Please use only Case Insensitive settings.

Database Server:

Server Name:

Server Instance:

Login

Windows User:

Password:

Database Update Settings
Configure the update settings for the NSI Database.

☒ Update Database

☐ Delete existing data

Database Time Zone Settings

☐ Use UTC offset (Coordinated Universal Time)

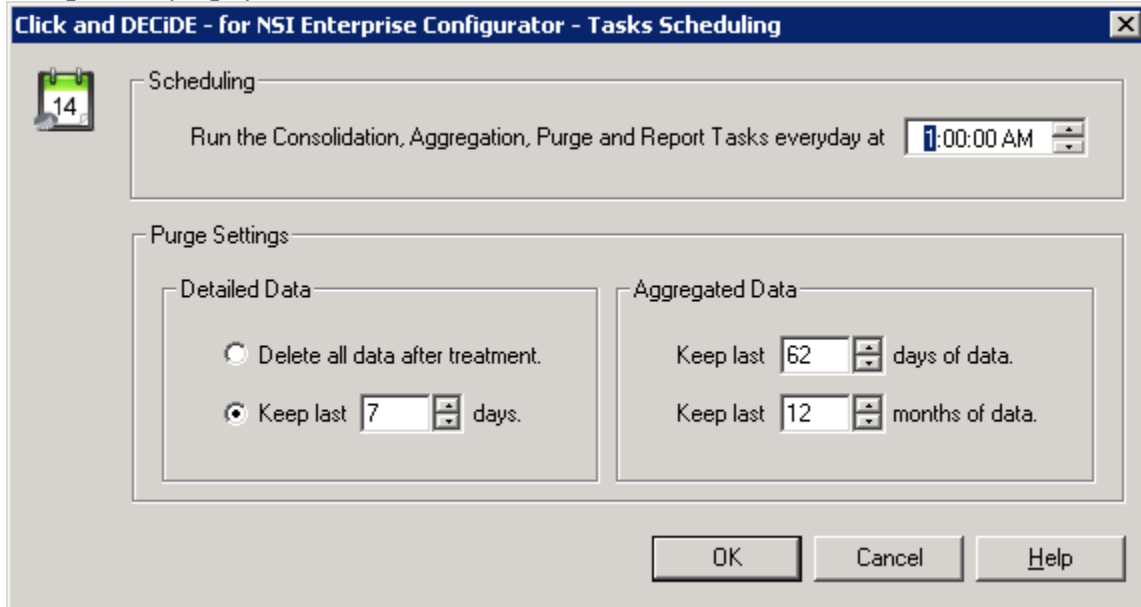
Time Zone:

☒ Adjust for Daylight Saving Time (DST)

Powered by Click and DECiDE

8. Click **OK**.
9. Click **Settings...** in the **Scheduled Tasks** section.

- Configure the purge parameters and the start time of the Click & DECiDE - NSI scheduled task.



Click and DECiDE - for NSI Enterprise Configurator - Tasks Scheduling

Scheduling
Run the Consolidation, Aggregation, Purge and Report Tasks everyday at **1:00:00 AM**

Purge Settings

Detailed Data

☐ Delete all data after treatment.

☒ Keep last **7** days.

Aggregated Data

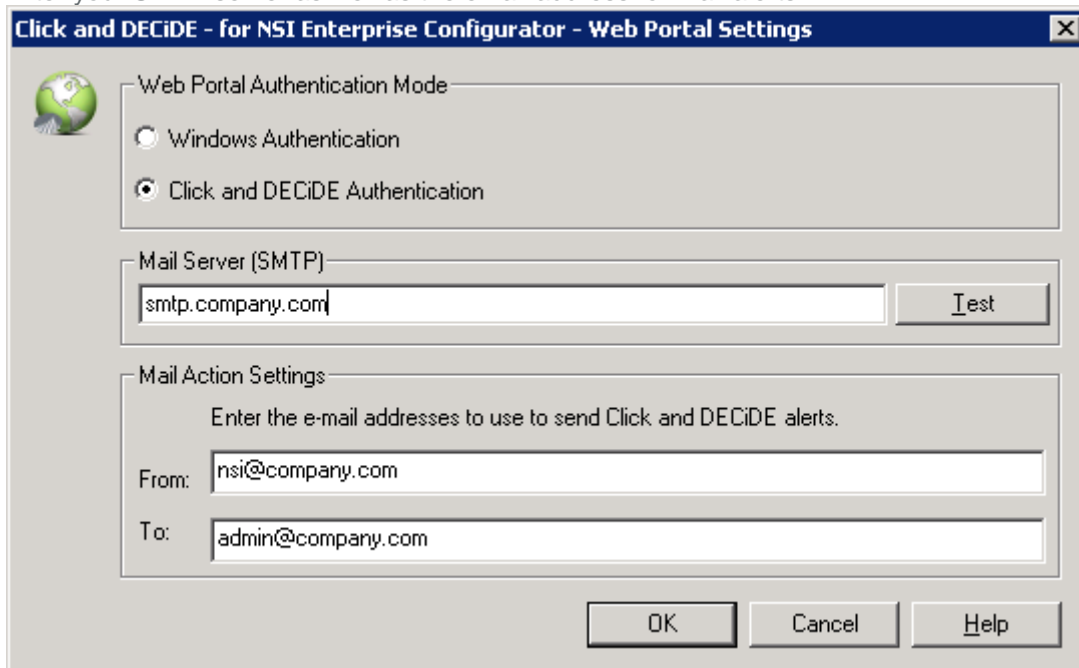
Keep last **62** days of data.

Keep last **12** months of data.

OK **Cancel** **Help**

Note: Click & DECiDE - NSI now uses a single scheduled task to perform the database operation and the report generation. You can edit the settings of this task via the Web Portal.

- Click **OK**.
- Click **Settings...** in the **Web Portal** section.
- Select **Click and DECiDE Authentication**.
- Enter your SMTP server as well as the email address for mail alerts.



Click and DECiDE - for NSI Enterprise Configurator - Web Portal Settings

Web Portal Authentication Mode

☐ Windows Authentication

☒ Click and DECiDE Authentication

Mail Server (SMTP)

smtp.company.com **Test**

Mail Action Settings

Enter the e-mail addresses to use to send Click and DECiDE alerts.

From: **nsi@company.com**

To: **admin@company.com**

OK **Cancel** **Help**

- Click **OK**.
- Click **Settings...** in the **Log Archive** section.

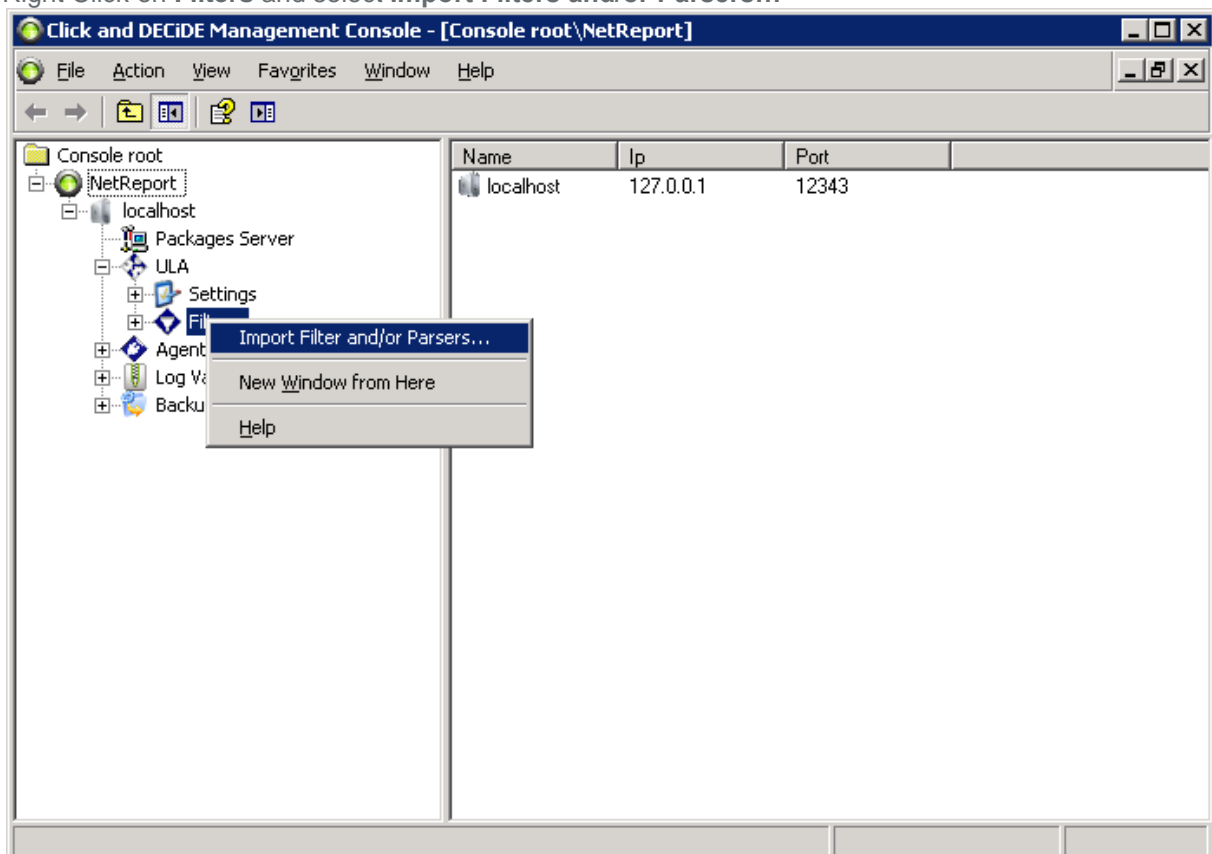
17. Configure your Log Archive settings.
18. Click **OK**.
19. Click **OK** to apply your configuration.
20. Confirm your choice and wait for the **Log Source Configuration** tool to complete the process.
21. Close the **Log Source Configuraiton**.

Restore your custom NSI Log Sources Configuration

1. Copy the **AAAAMMDD-HHMM-user-v440** folder (see Section 1.B.4) to the new folder:
C:\Program Files\Click and DECiDE\NSI\ConfigurationBackup
2. Open the **Management Console**:
Start>All Programs>Click and DECiDE>Network Security Intelligence>Management Console.


Note: the default login/password is now admin/admin.

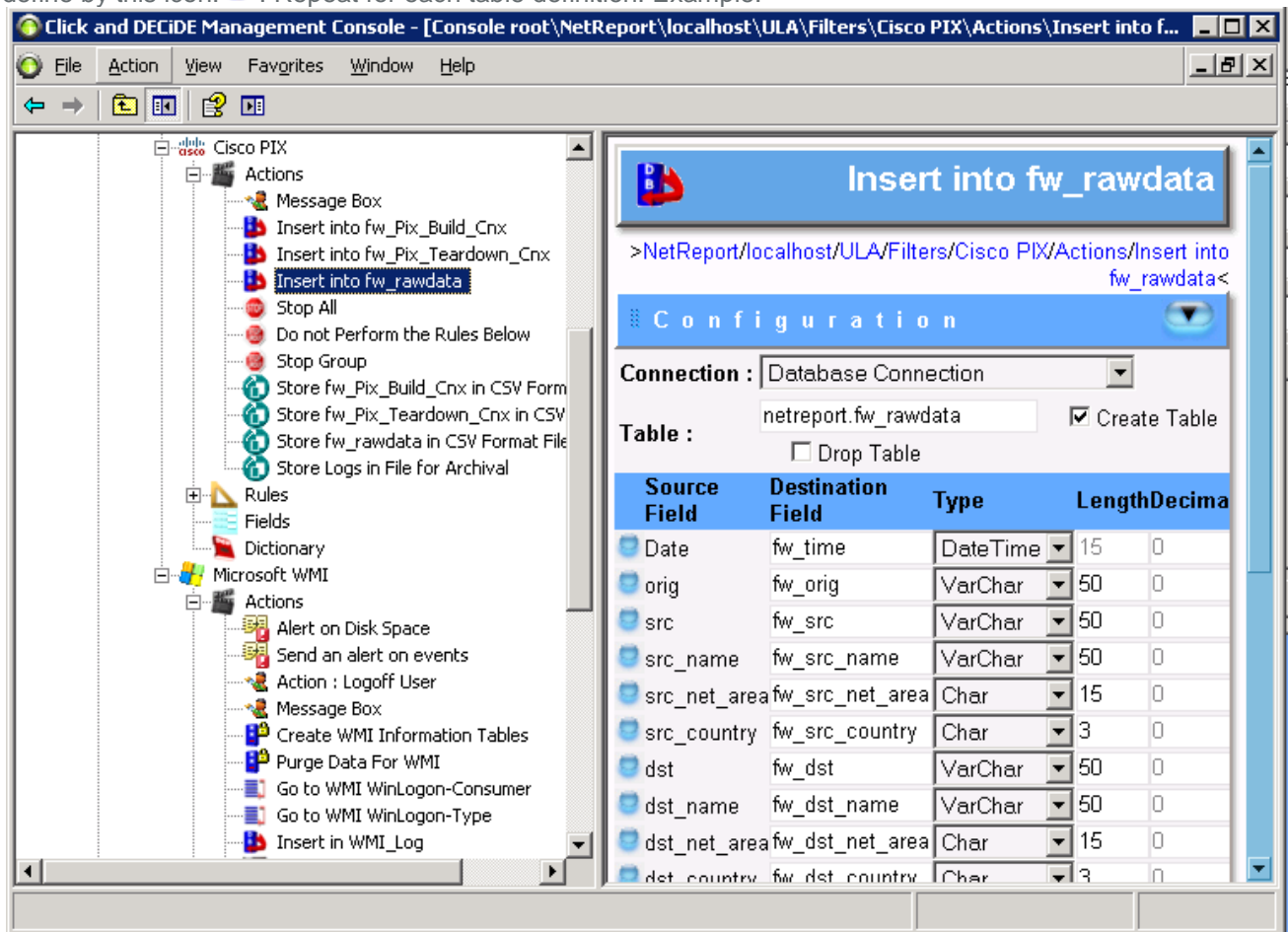
3. Go to **NetReport/localhost/ULA/Filters**.
4. Right Click on **Filters** and select **Import Filters and/or Parsers...**



5. Select a non-standard filter you exported (see Section 1.B.7).
6. Confirm that you want to import the filter and its parsers.

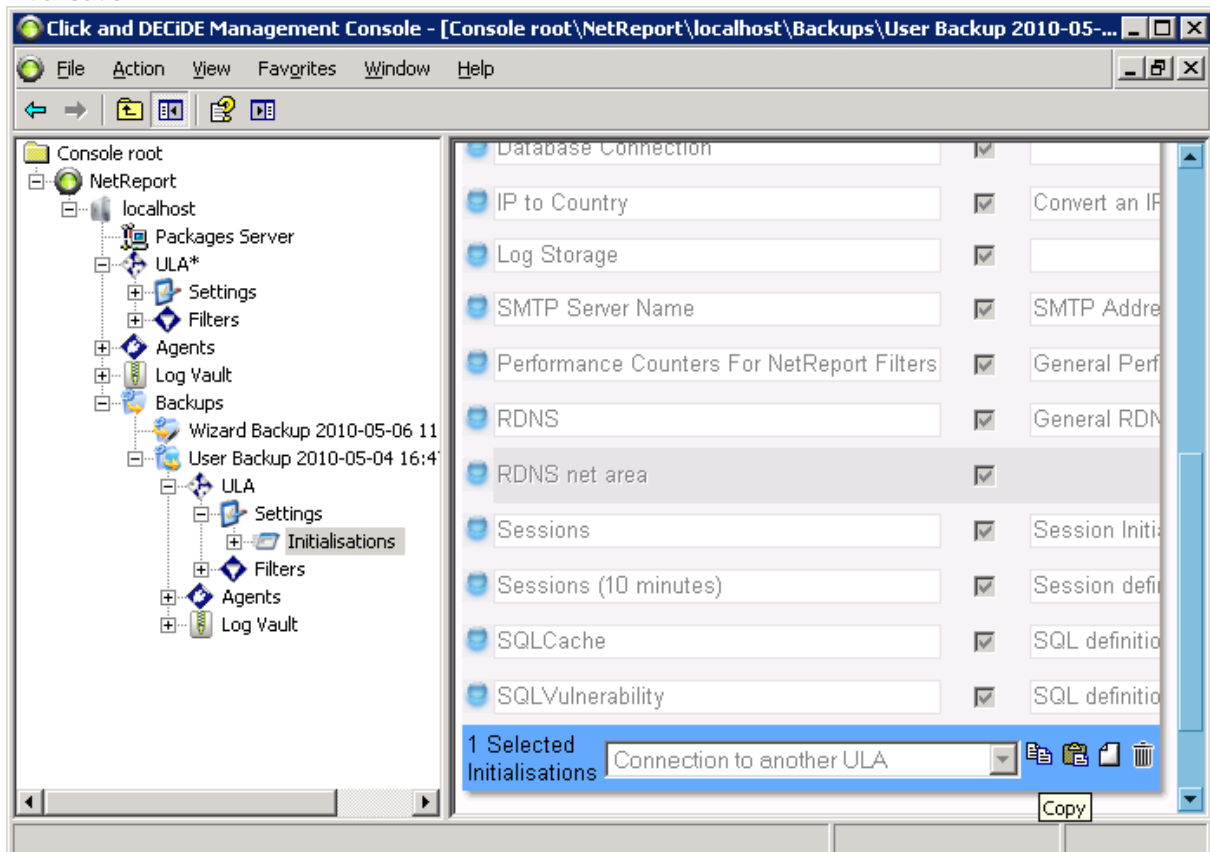


- On all non-standard filter re-imported, you need to add "netreport." in front of the each table definition call define by this icon: . Repeat for each table definition. Example:



- Repeat steps 4. to 7. for every non standard device.
- Go to **NetReport/localhost/Backups**, you should see your previous configuration.

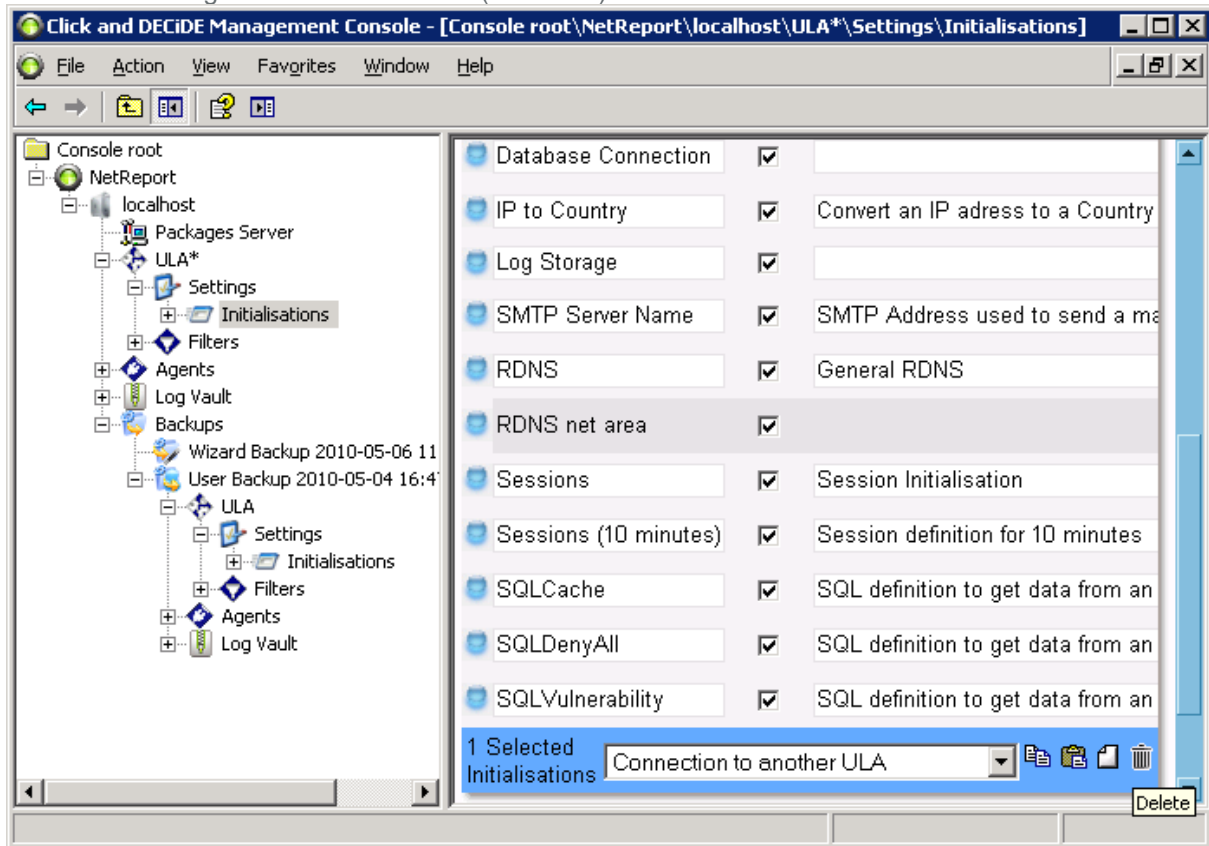
10. Navigate and select a custom initialisation or action you want to restore. For example: the **RDNS net area** initialisation.



11. Click on **Copy** icon at the bottom of the page.
12. Navigate where you want to paste the initialisation or action. For example: **NetReport/localhost/ULA/Settings/Initialisations**.

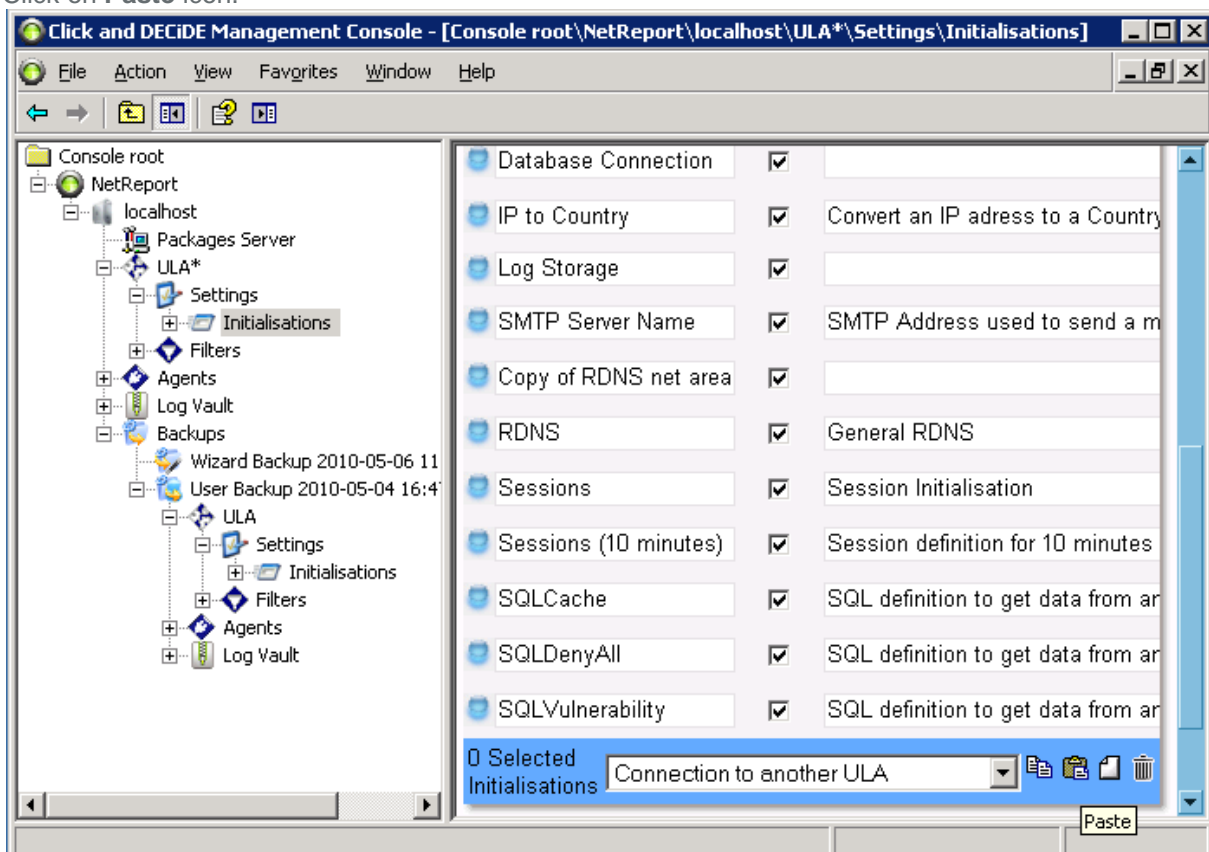


13. Select the existing initialization or action (if it exists).

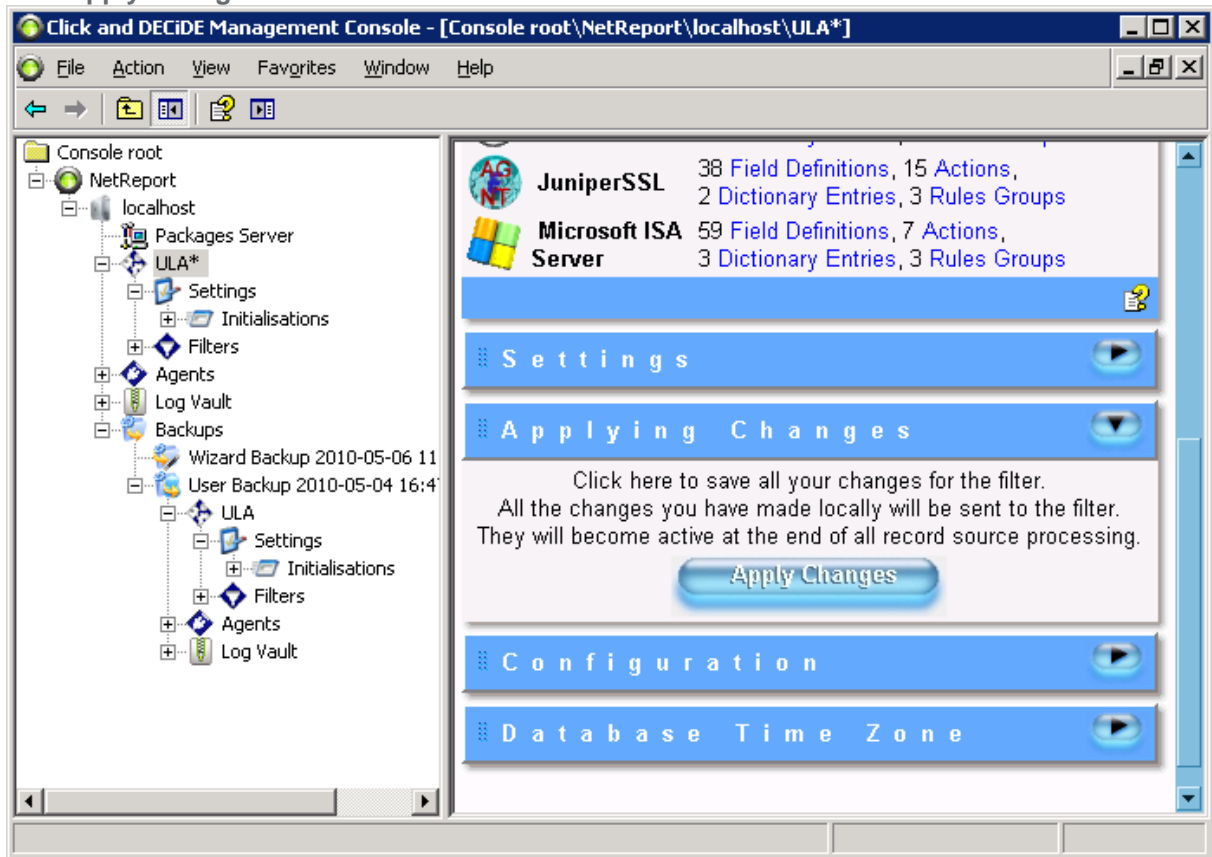


14. Click on Delete icon.

15. Click on Paste icon.

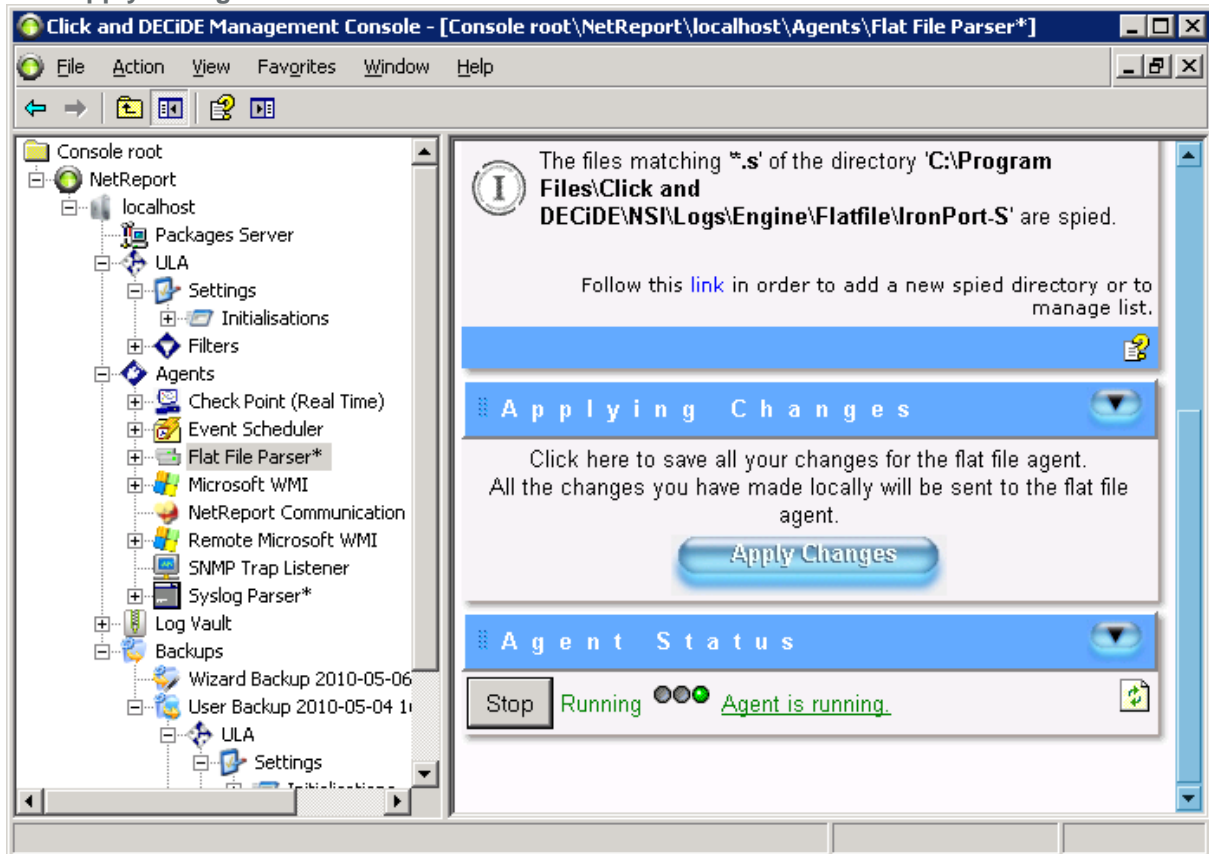


16. Rename the pasted initialization or action. Remove **Copy of**.
17. Repeat step 9. to 16. for every initialization or action you want to restore.
18. Navigate to **NetReport/localhost/ULA**.
19. Click **Apply Changes**.



20. Open the **NetReport/localhost/Agents** subtree.
21. Navigate to a node with an asterisk (*).

22. Click **Apply Changes**.



23. Repeat step 21. and 22. for every agent with an asterisk (*).

Note : for the Microsoft WMI or the Remote Microsoft WMI, you may need to copy and paste specific agent configuration form the backup.

24. Close the **Mangement Console**.

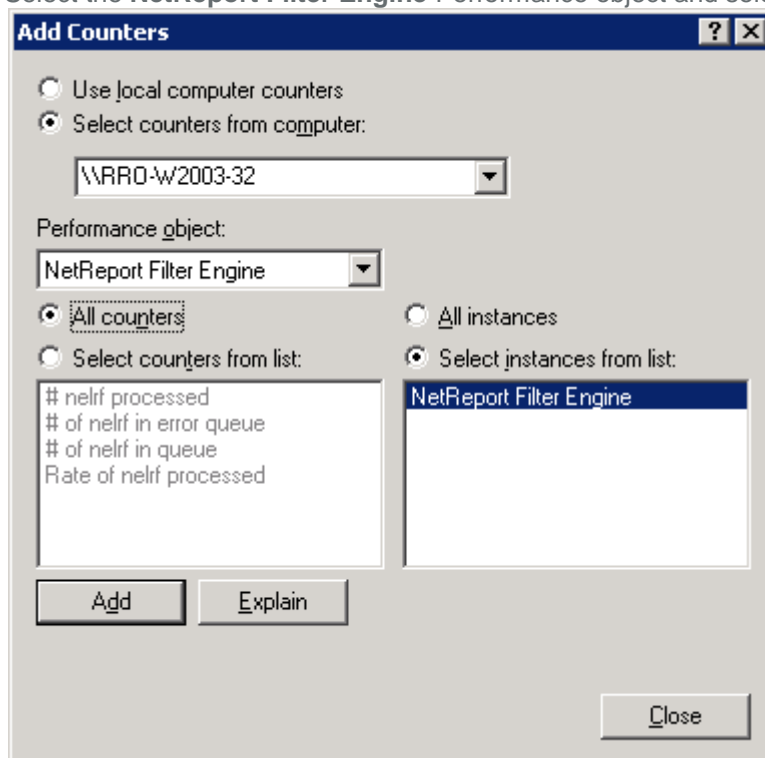
Restore the scheduled tasks

This process requires an advanced knowledge of the product and is beyond the scope of this document. You have to create all your previous scheduled tasks manually using the Web Portal interface. Please refer to the Web Portal documentation for more information.

Section 5: Check your configuration

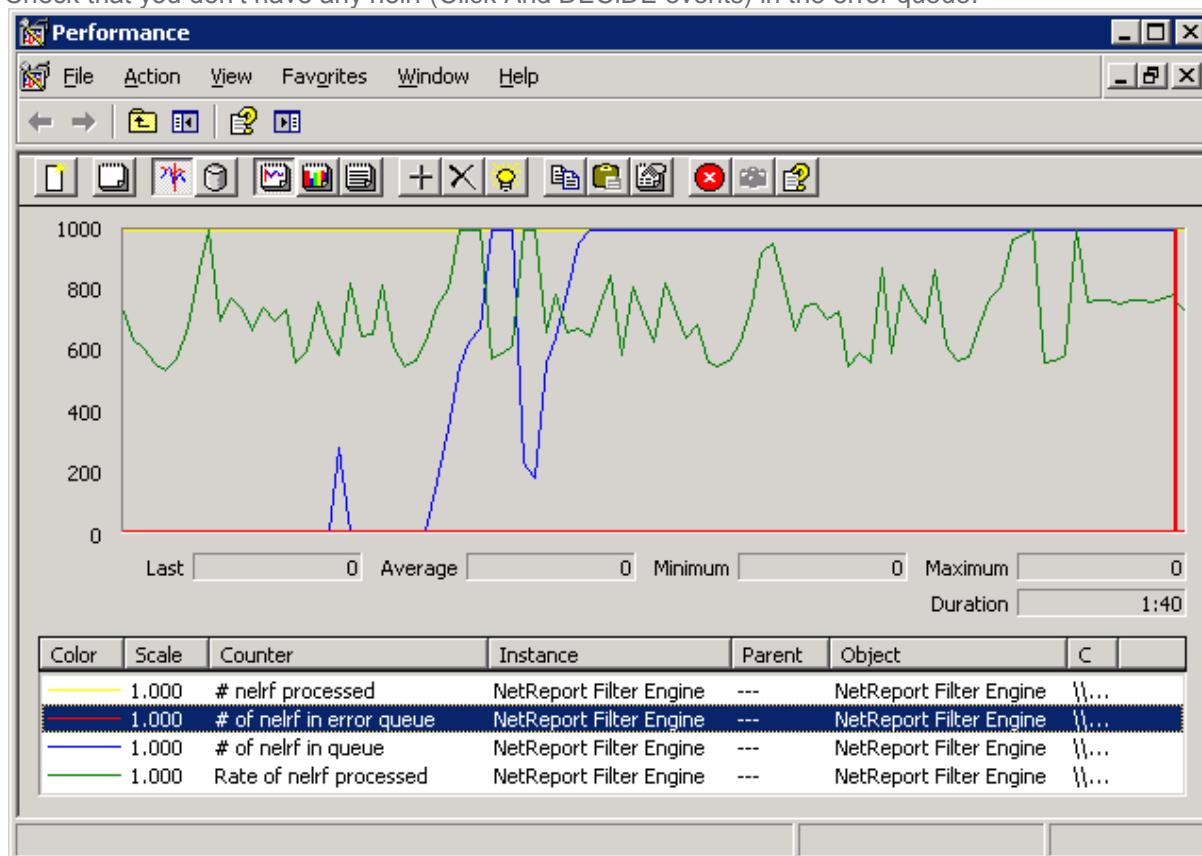
Log Acquisition

1. Start the log treatment.
2. Open the Performance Counters: Start>Administrative Tools>Performance
3. Click the + in the toolbar.
4. Select the **NetReport Filter Engine** Performance object and select **All counters**.



5. Click **Add**.
6. Click **Close**.

- Check that you don't have any nelrf (Click And DECiDE events) in the error queue.



*Note: the engine queues are stored in the folder C:\Program Files\Click and DECiDE\Error agent Storage.
You can modify the destination of these files by changing the registry value: HKEY_LOCAL_MACHINE\SOFTWARE\NetReport\MC\Agents\Error\StoragePath.
You have to restart the Click & DECiDE Filter Engine service after any change*

Log Insertion

- Open **Web Portal**: Start>All Programs>Click and DECiDE>Web Portal.
- Login as a member of **NetReport Admin**.
- Navigate to **NSI Utilities/Database Status**.



4. Open the project for the category of the log you have acquired. For example: **Firewall Statistics Utilities**.

The screenshot shows the Click and DECIDE Web Portal interface. On the left is a navigation menu with categories like 'Web Server Configuration', 'Menus', 'NSI Reports and Analysis', 'NSI Utilities', 'Database Status', 'Firewall Statistics Utilities', 'Click and DECIDE Audit', 'Proxy Statistics Utilities', 'NSI Alert Management', 'Scheduled Tasks & Tasks', 'Web Part Configuration', 'Content Builder', and 'Web Server Administration'. The 'Firewall Statistics Utilities' category is selected. The main content area displays a table with the following data:

Firewall Statistics Utilities	Size	Modification	Creation
1 - Selected Record Details	0	1/21/2010 5:14:15 PM	9/2/2004 10:43:08 AM
2 - Number of Records in the Firewall Tables	0	1/21/2010 5:20:02 PM	9/2/2004 10:43:08 AM
3 - Address Definition Management	0	1/21/2010 4:07:29 PM	9/2/2004 10:43:08 AM
4 - Firewall Aggregation Process Status	0	4/28/2010 4:57:31 PM	9/2/2004 10:43:08 AM

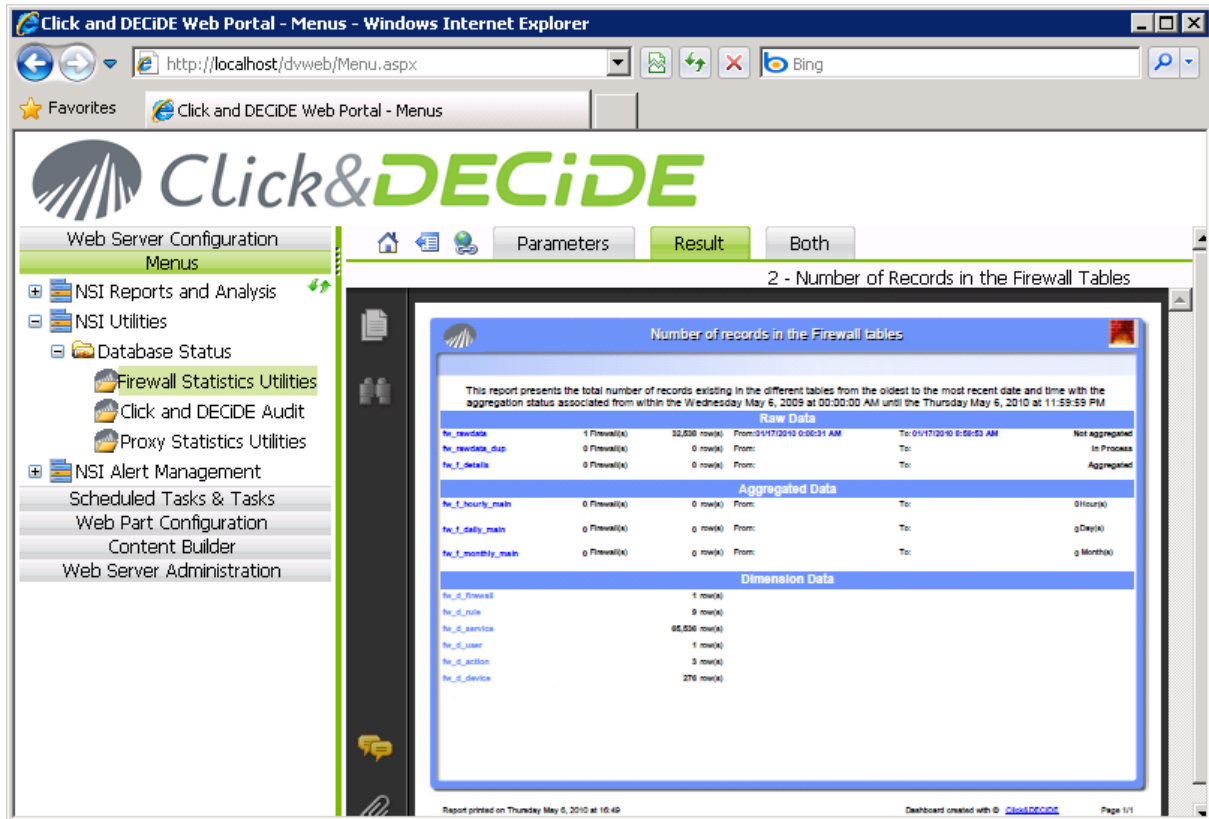
5. Open the report **2 - Number of Records in the Firewall Tables**.

6. Enter the time interval corresponding to the date of your logs. For example, if you are parsing logs from 10 days ago, enter 10 in the first text box.

The screenshot shows the Click and DECIDE Web Portal interface with the 'Parameters' tab selected for the report '2 - Number of Records in the Firewall Tables'. The form contains the following fields and options:

- ☒ From: Today - X days:
- ☒ To: Today - Y days:
- ☒ Start time:
- ☒ Stop time:
- ☐ Firewall? (Ignore for all):
- Output Format: ☒ PDF ☐ Run

7. Click Run.



The screenshot shows the Click&DECiDE Web Portal interface. The left sidebar contains a menu with options like 'Web Server Configuration', 'Menus', 'NSI Reports and Analysis', 'NSI Utilities', 'Database Status', 'Firewall Statistics Utilities', 'Click and DECIDE Audit', 'Proxy Statistics Utilities', 'NSI Alert Management', 'Scheduled Tasks & Tasks', 'Web Part Configuration', 'Content Builder', and 'Web Server Administration'. The main content area displays a report titled 'Number of records in the Firewall tables'. The report includes a summary of records for various tables, categorized into Raw Data, Aggregated Data, and Dimension Data. The report is dated Thursday May 6, 2010 at 10:49.

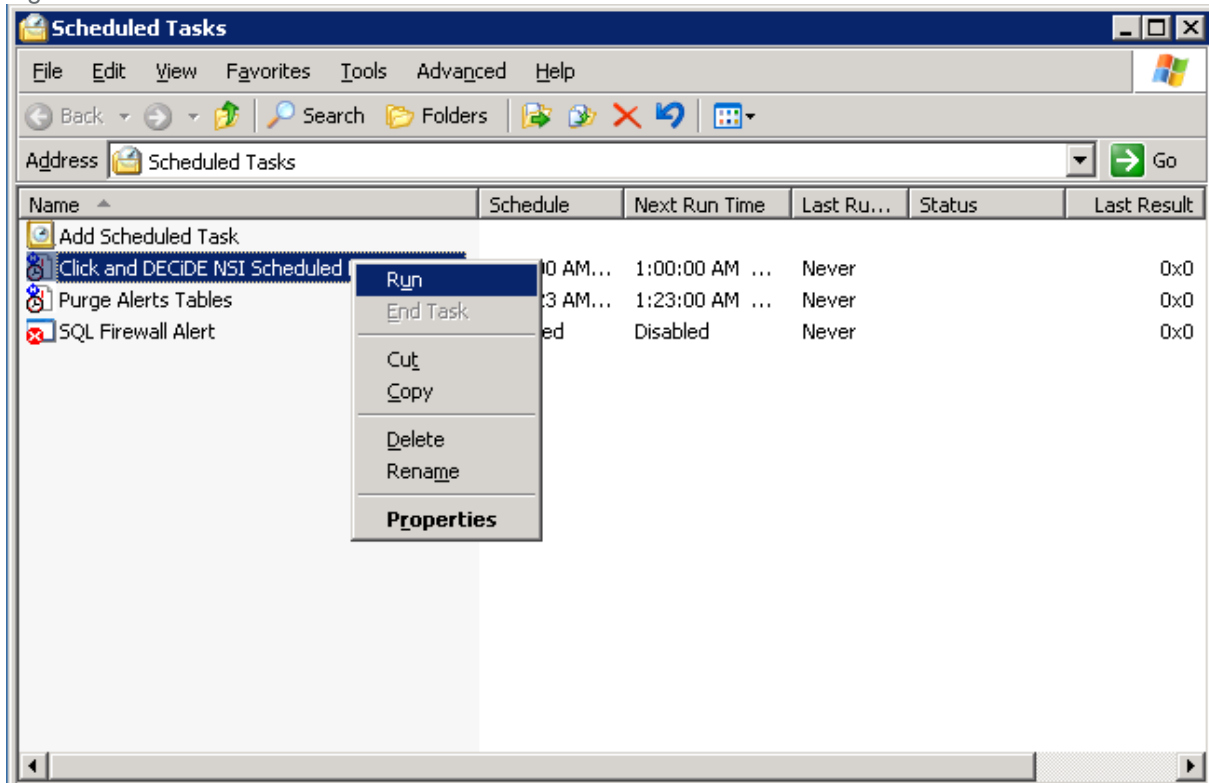
Number of records in the Firewall tables				
This report presents the total number of records existing in the different tables from the oldest to the most recent date and time with the aggregation status associated from within the Wednesday May 5, 2009 at 00:00:00 AM until the Thursday May 6, 2010 at 11:59:59 PM				
Raw Data				
fw_rawdata	1 Firewall(s)	32,508 row(s)	From: 01/17/2010 0:00:31 AM	To: 01/17/2010 0:00:31 AM
fw_rawdata_dup	0 Firewall(s)	0 row(s)	From:	To:
fw_f_details	0 Firewall(s)	0 row(s)	From:	To:
Aggregated Data				
fw_f_hourly_main	0 Firewall(s)	0 row(s)	From:	To:
fw_f_daily_main	0 Firewall(s)	0 row(s)	From:	To:
fw_f_monthly_main	0 Firewall(s)	0 row(s)	From:	To:
Dimension Data				
fw_d_firewall	1 Firewall(s)			
fw_d_rule	9 rule(s)			
fw_d_service	65,536 row(s)			
fw_d_user	1 row(s)			
fw_d_action	3 row(s)			
fw_d_device	276 row(s)			

8. Check that logs are inserted into the rawdata table.

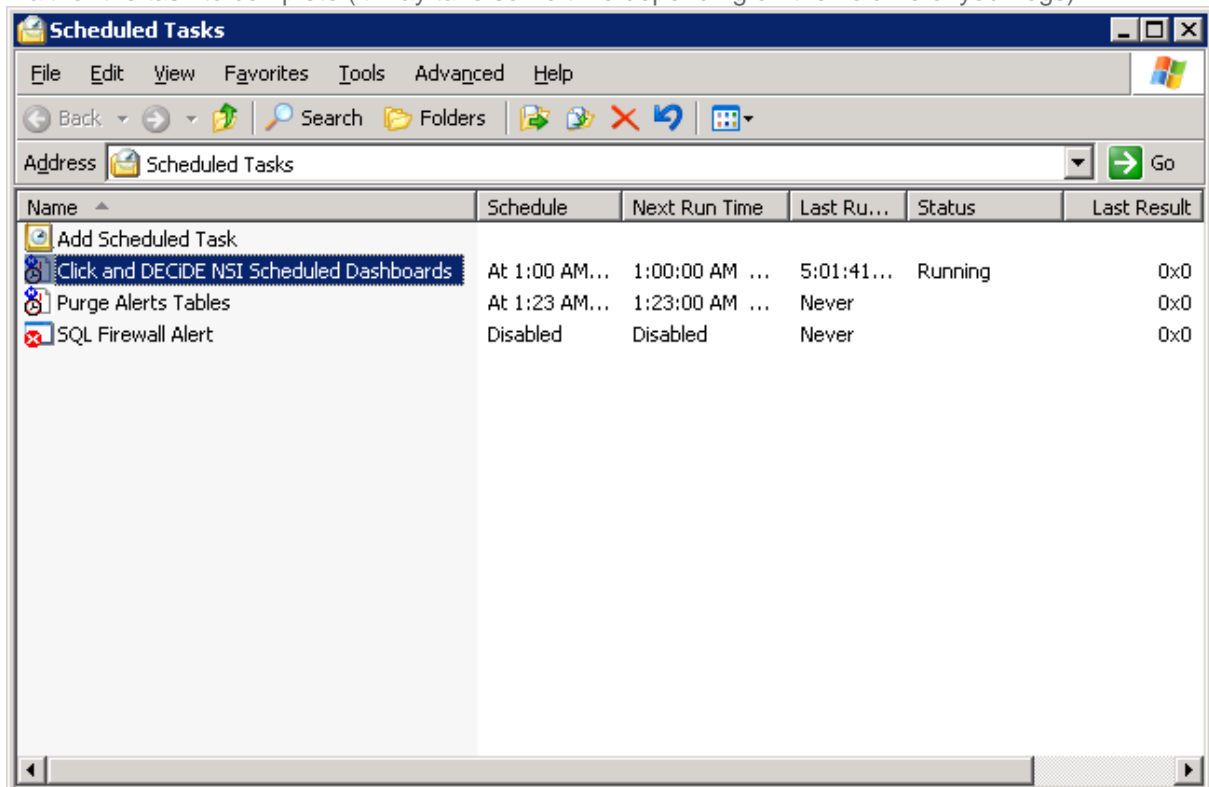
Report Generation

1. Open the **Scheduled Tasks** panel: **Start>Control Panel>Scheduled Tasks**.

- Right Click on **Click and DECiDE Scheduled Dashboards** and select **Run**.

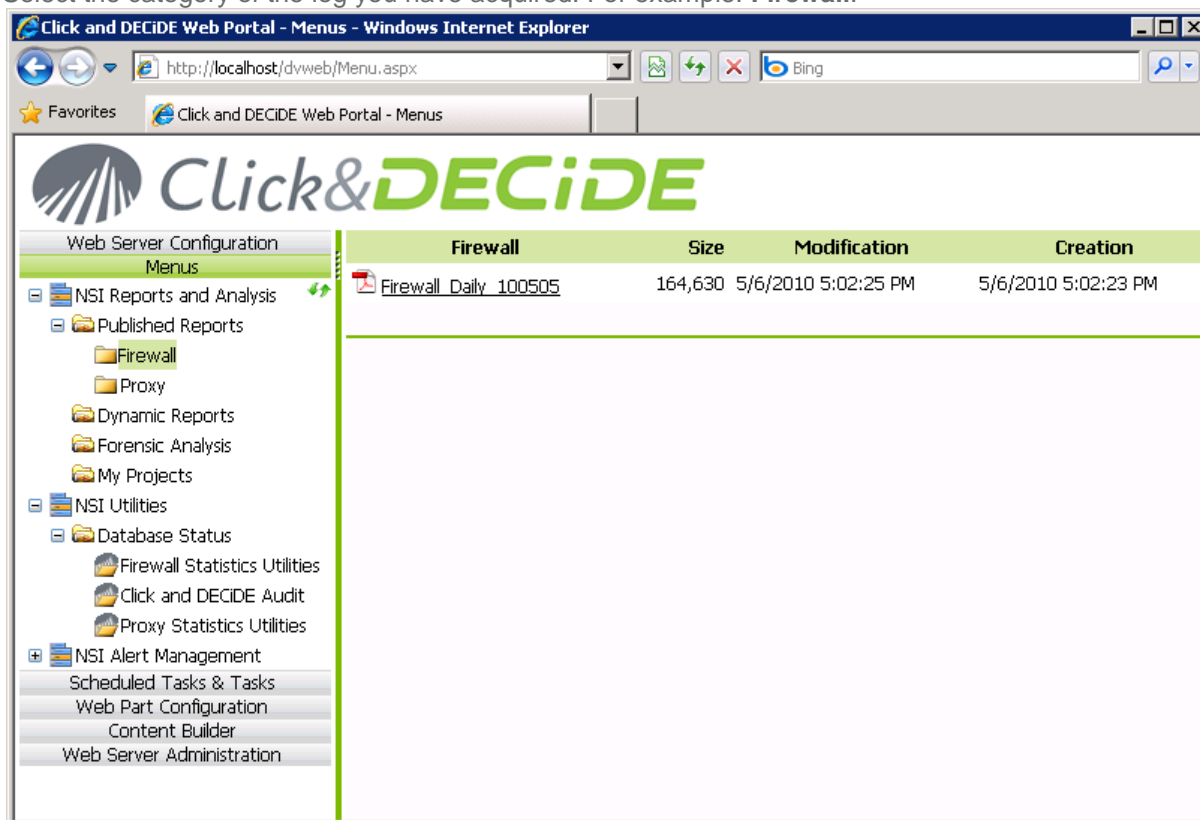


- Wait for the task to complete (it may take some time depending on the volume of your logs).



- Return to **Web Portal** (see Section 5.B).
- Navigate to **NSI Reports and Analysis/Published Report**.

- Select the category of the log you have acquired. For example: **Firewall**.

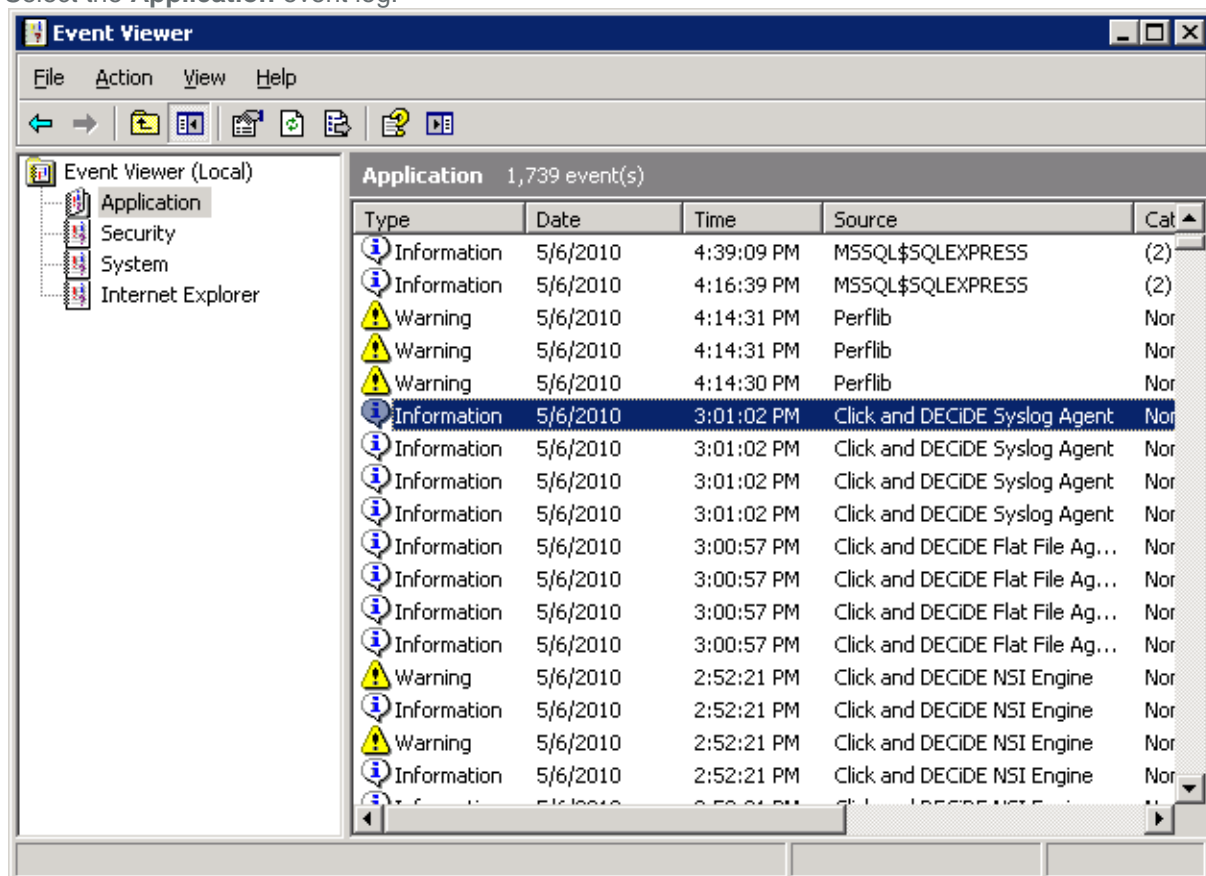


- Check that a report has been generated. If you have inserted yesterday's logs, the reports should contain some data.

Event Viewer

- Open the **Event Viewer**: **Start>Administrative Tools>Event Viewer**.

2. Select the **Application** event log.



3. Check that there are no error from a Click and DECiDE process.