Knowledge Base Article: Article 214

NSI Click&DECiDE Migration
How to install Click & DECiDE - NSI 10.1.2 over Net Report 5.10.02

Date: May 21st, 2010

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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.

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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**
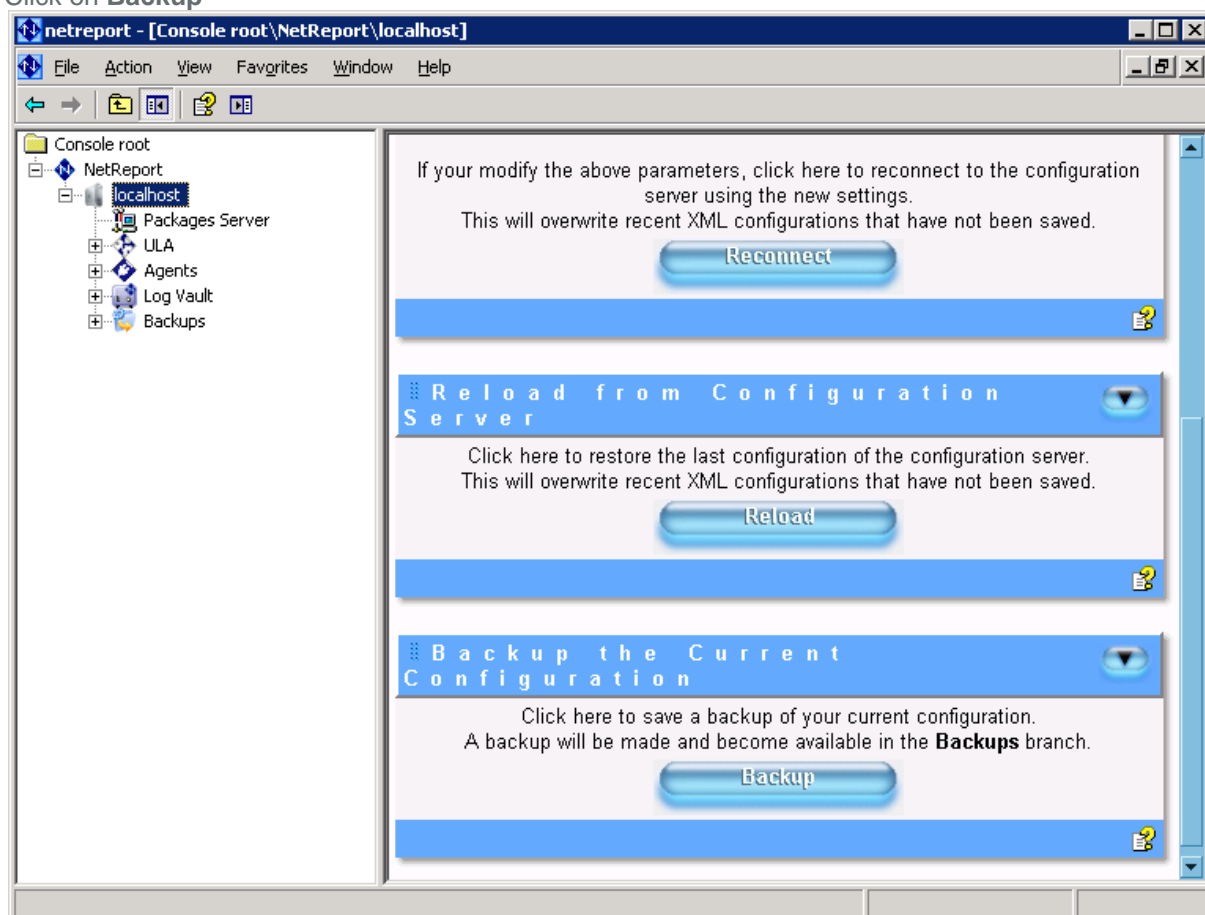
4. Save the new folder named **AAAAMMDD-HHMM-user-v510** created in
   C:\Program Files\NetReport\NetReport\ConfigurationBackup (by default).

5. Browse to the filter lists **NetReport/localhost/ULA/Filters** (by default).

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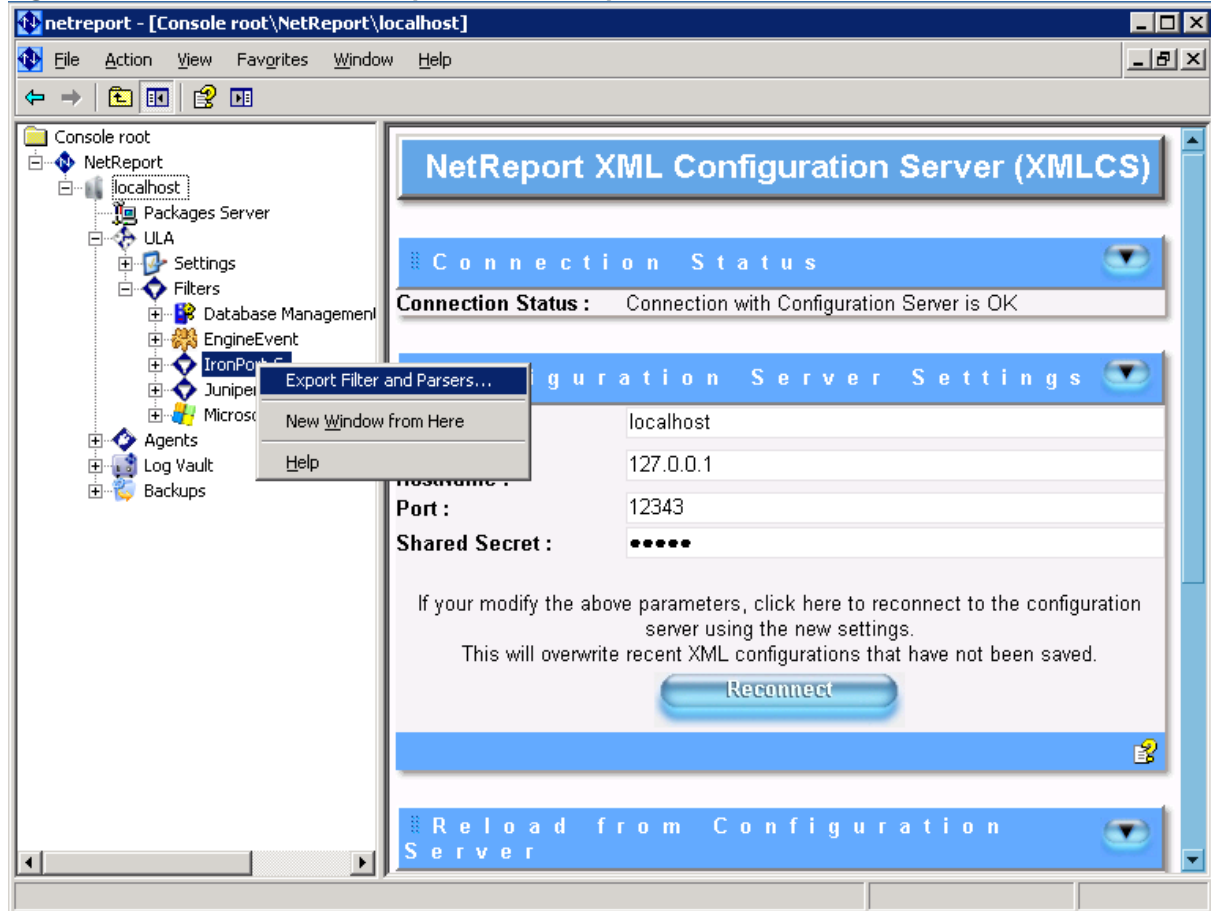

7. Save the configuration for this filter.

8. Repeat step 6. and 7. for every filters except **Database Management**, **DataSet Alert**, **DataSet Audit** and **EngineEvent**.

9. Close the **Management Console**.

Backup the WebPortal Configuration

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

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2. Go to **File>Backup Security Database**
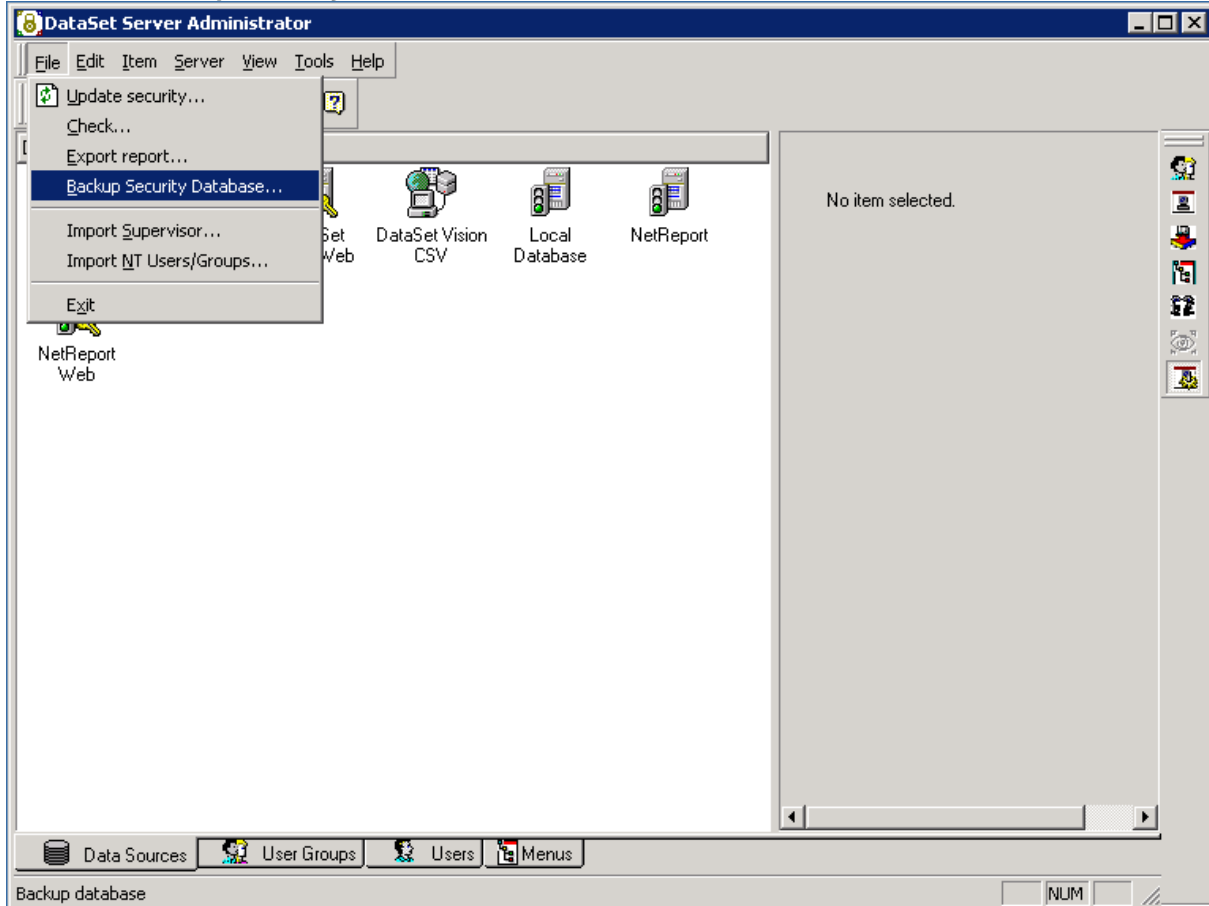
3. Save the Security Database configuration into a .bck file.

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).

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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**
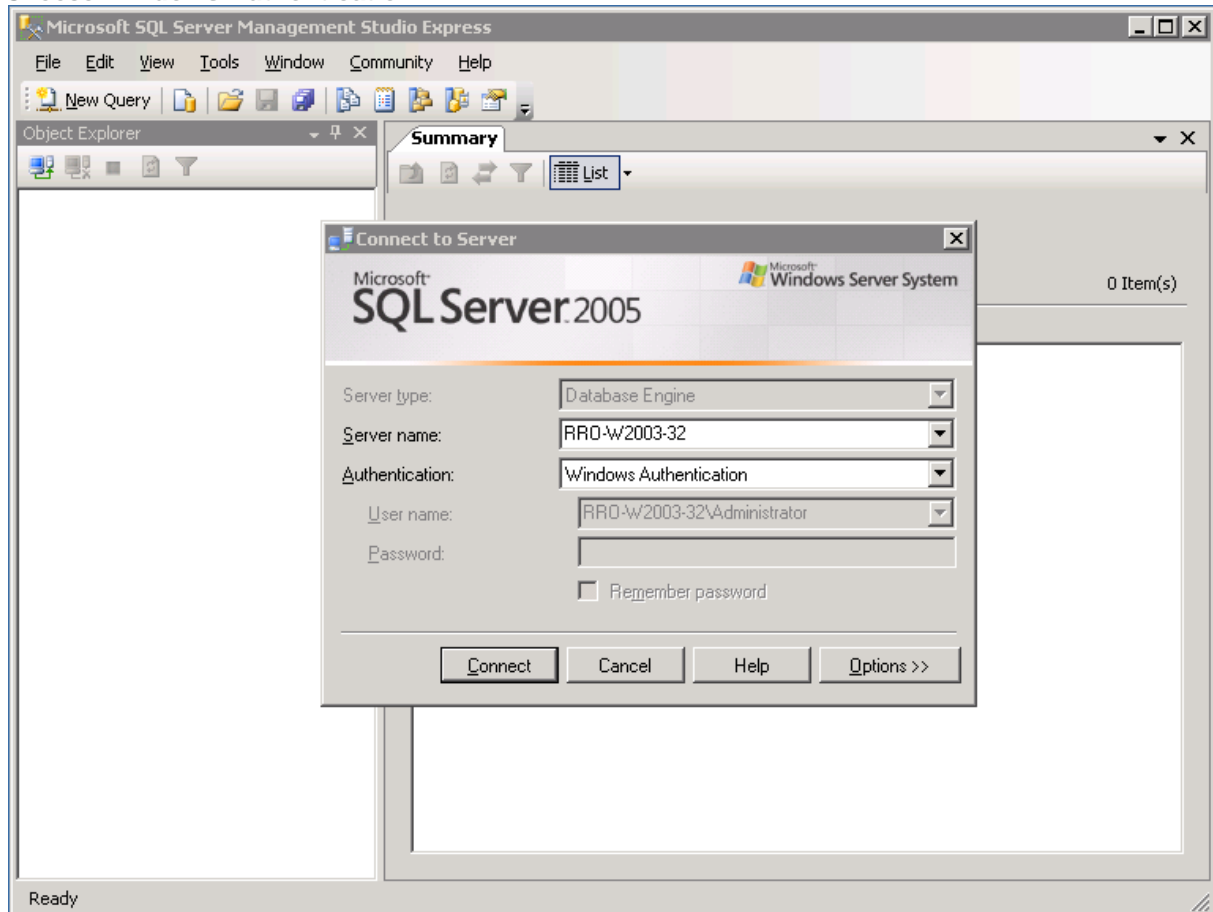
5. Navigate to **Databases/netreport**.

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6. Right Click on **netreport** and select **Tasks>Detach…**
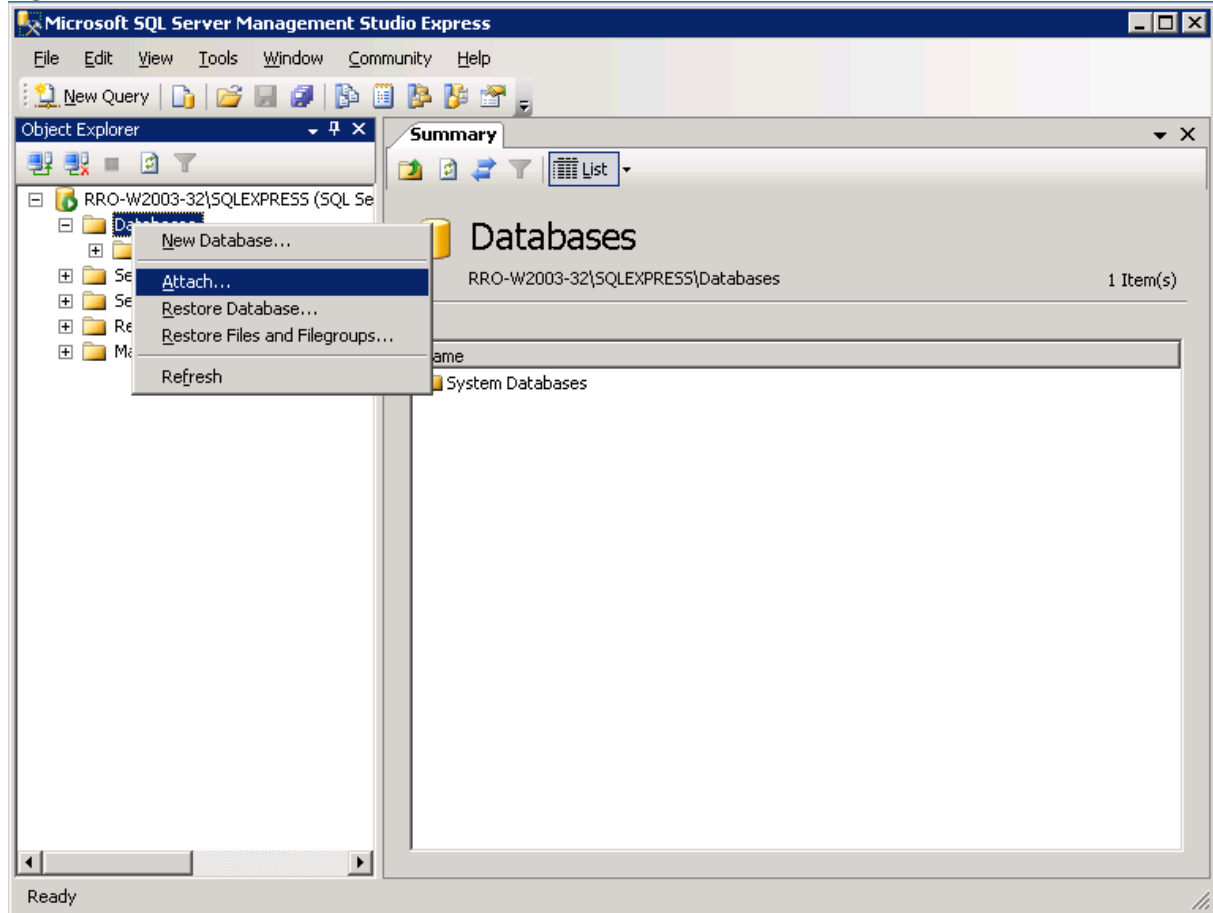
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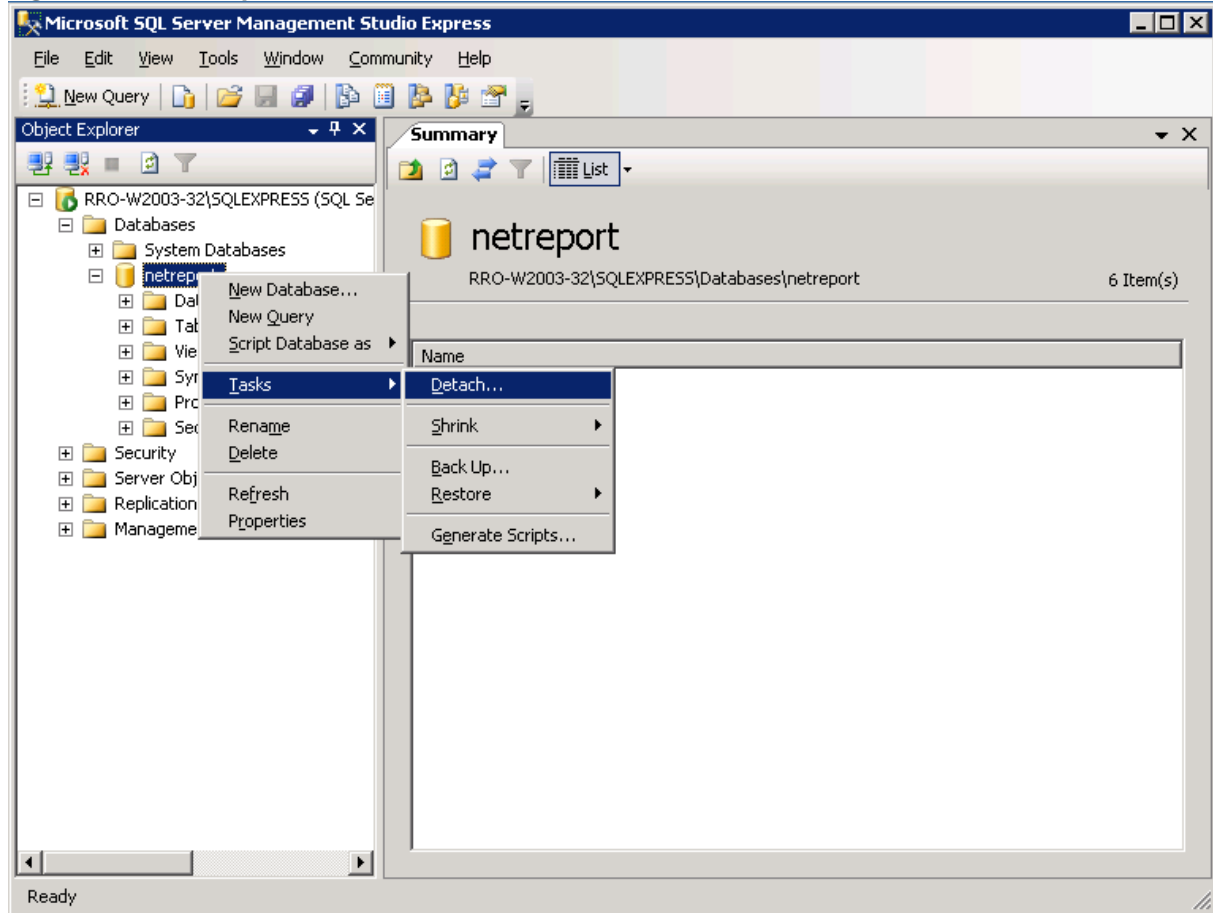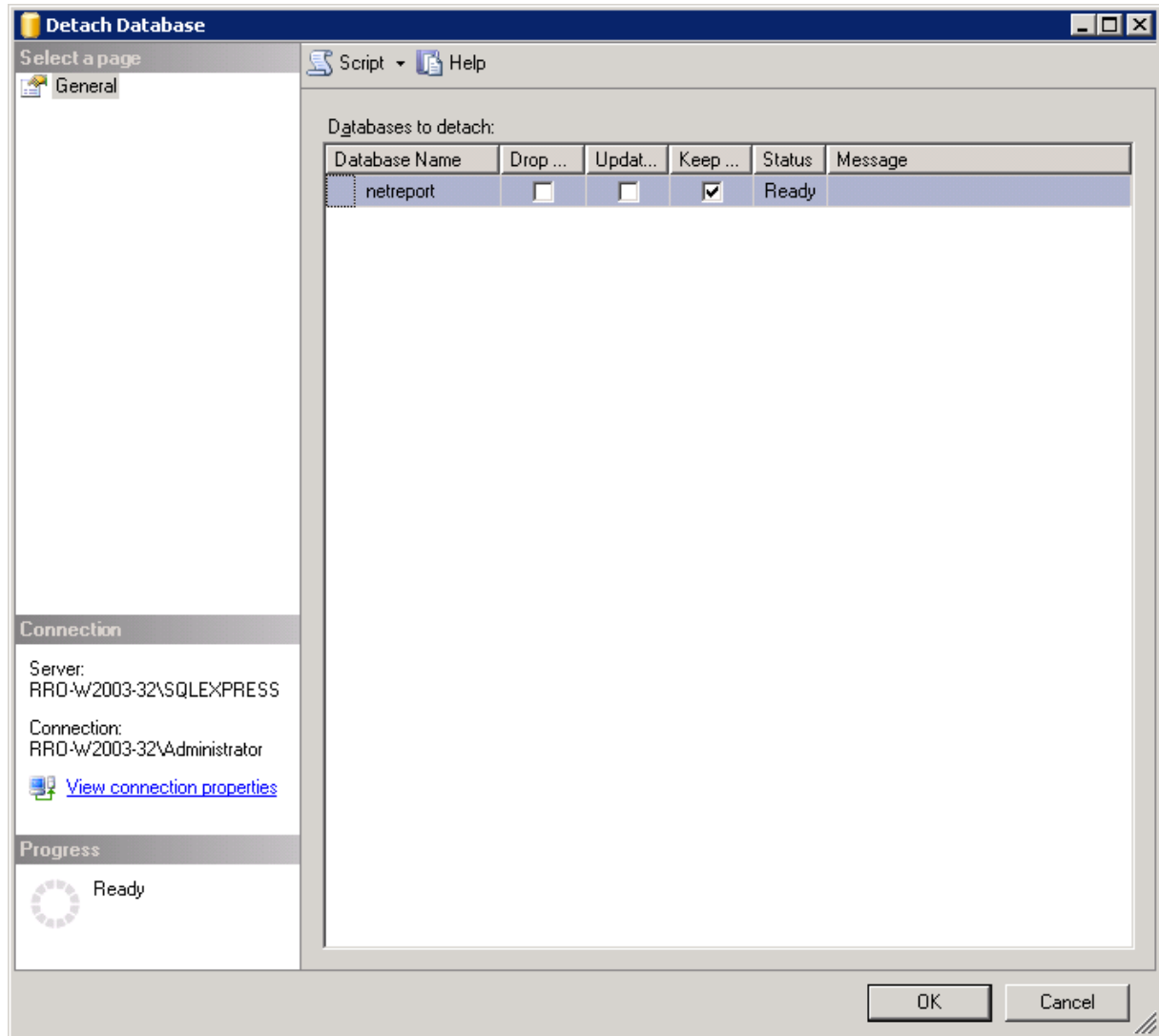
7. Click **OK**.

8. 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)

9. In **SQL Server Management Studio**, navigate to **Databases**.

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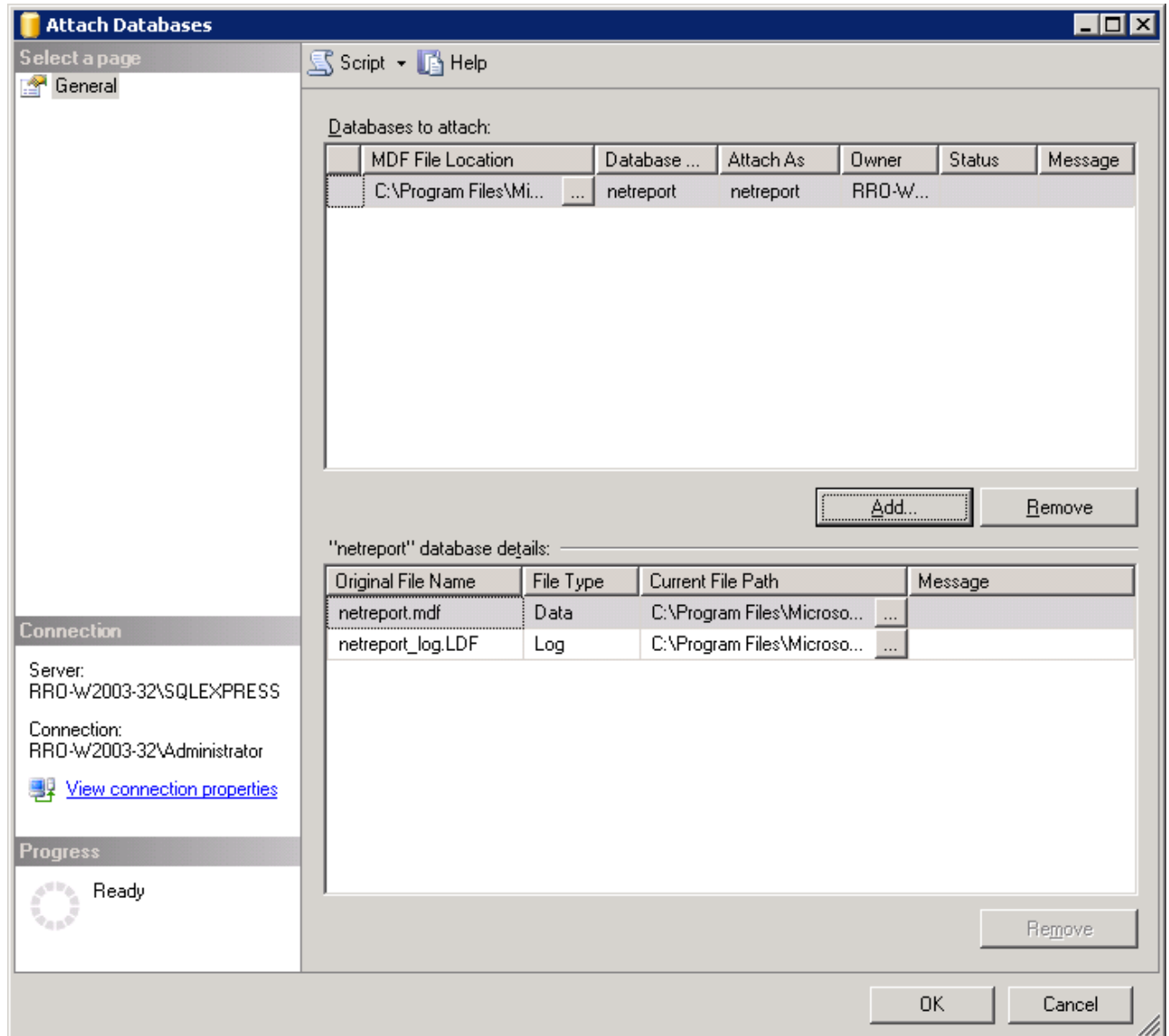10. Right click on **Databases** and select **Attach…**

11. Click **Add…**

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

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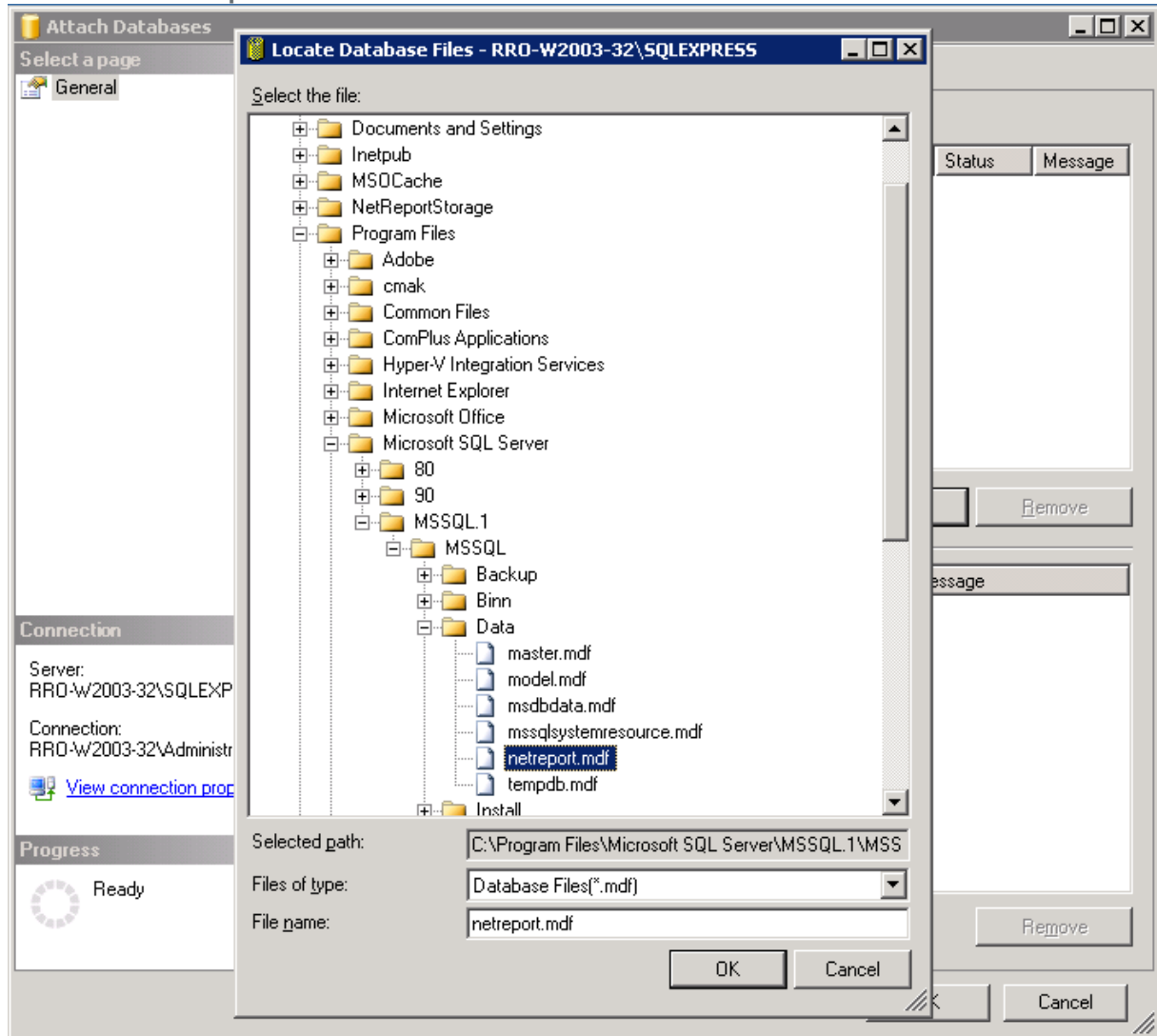
13. Click **OK**.

14. Click **OK**.

15. Close **SQL Server Management Studio**.

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Section 2: Uninstall NetReport 5.10

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*

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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 Wild 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.**

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3. Choose where you want to extract the files required for the installation.
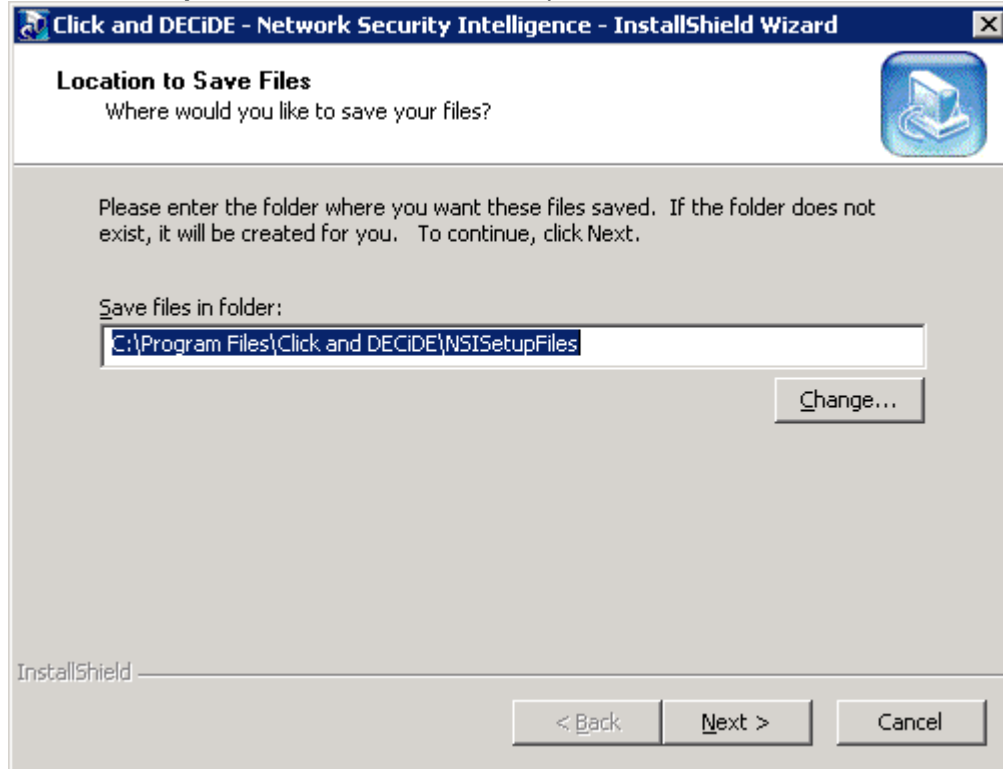
4. Click **Next**.

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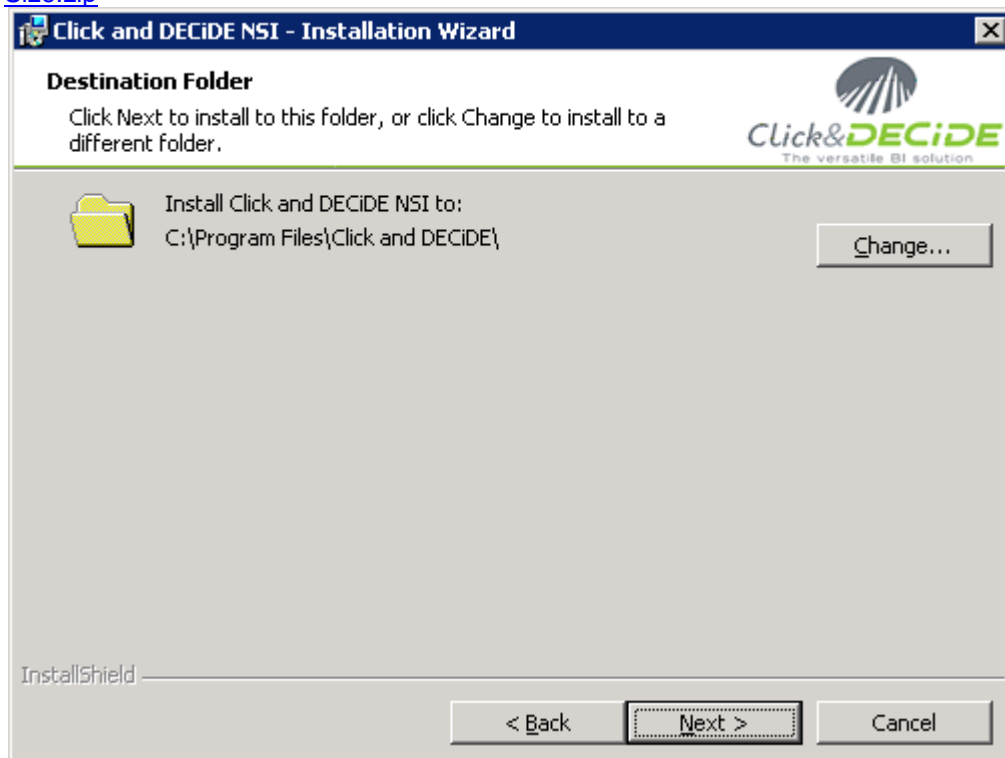
The Click and DECiDE - NSI Installation Wizard

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**.

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3. On the **License Agreement** dialog, read the license agreement and select **I accept the terms in the license agreement** to continue.
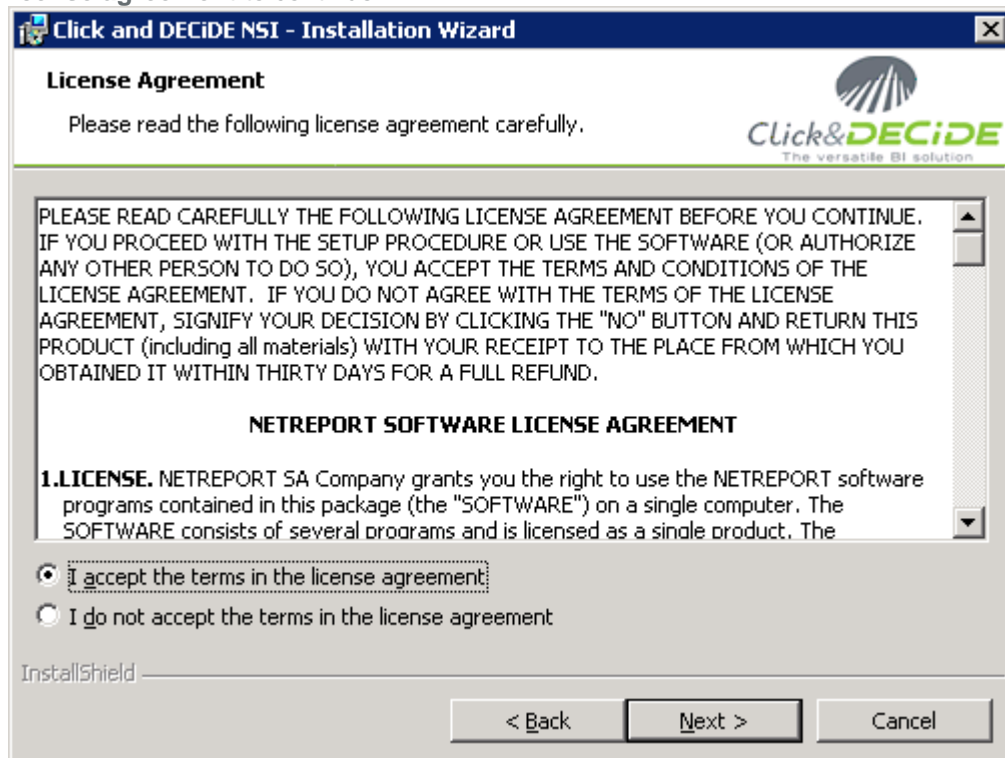
4. Click **Next**.

5. 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

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6. Click **Next**.

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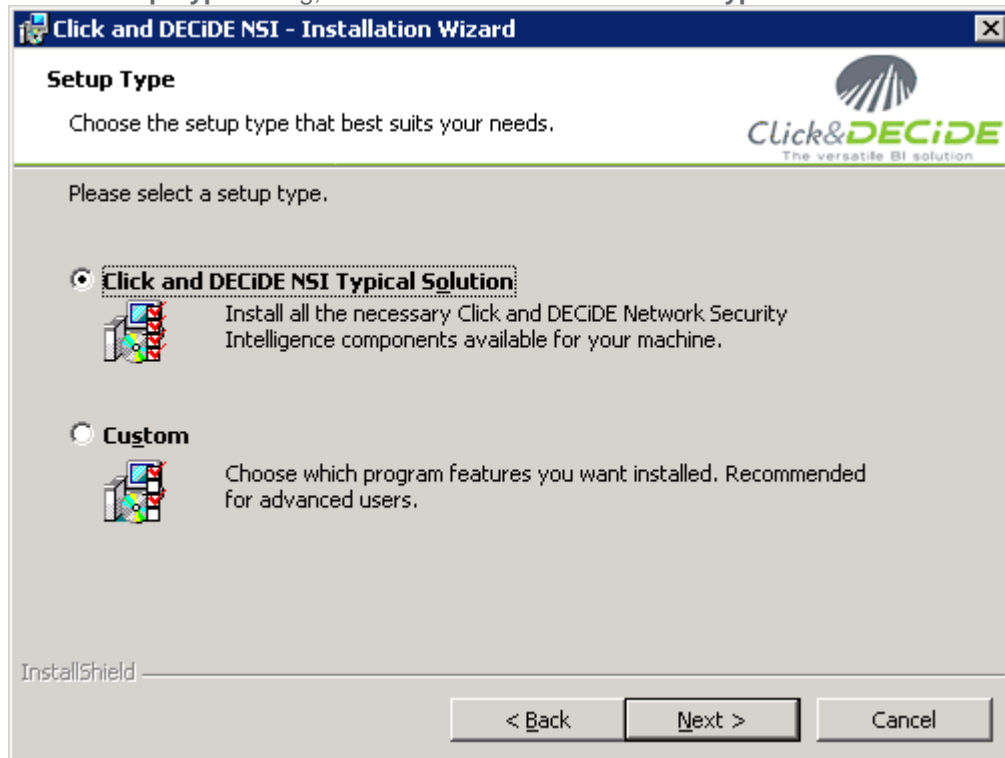
8. Click **Next**.

9. Click **Install**.

10. Wait for the installation to complete.

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11. On the **Installshield Wizard Completed** dialog, Click **Finish**.
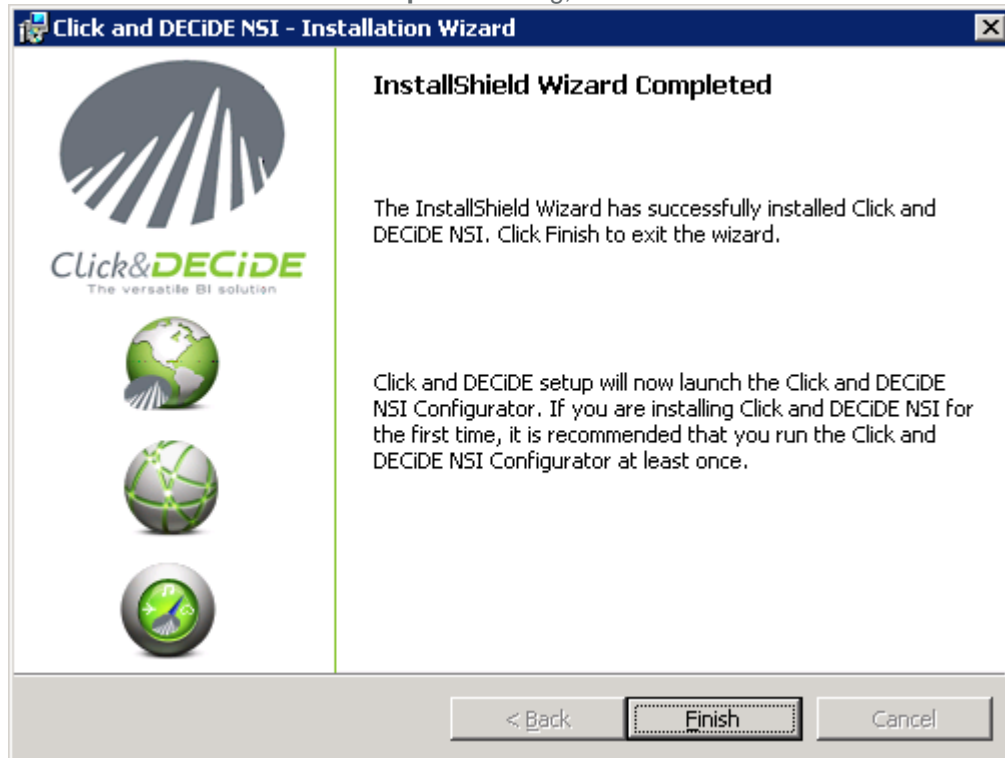
12. The installation asks for a reboot. Save all your documents and close all your application and click **Yes**.
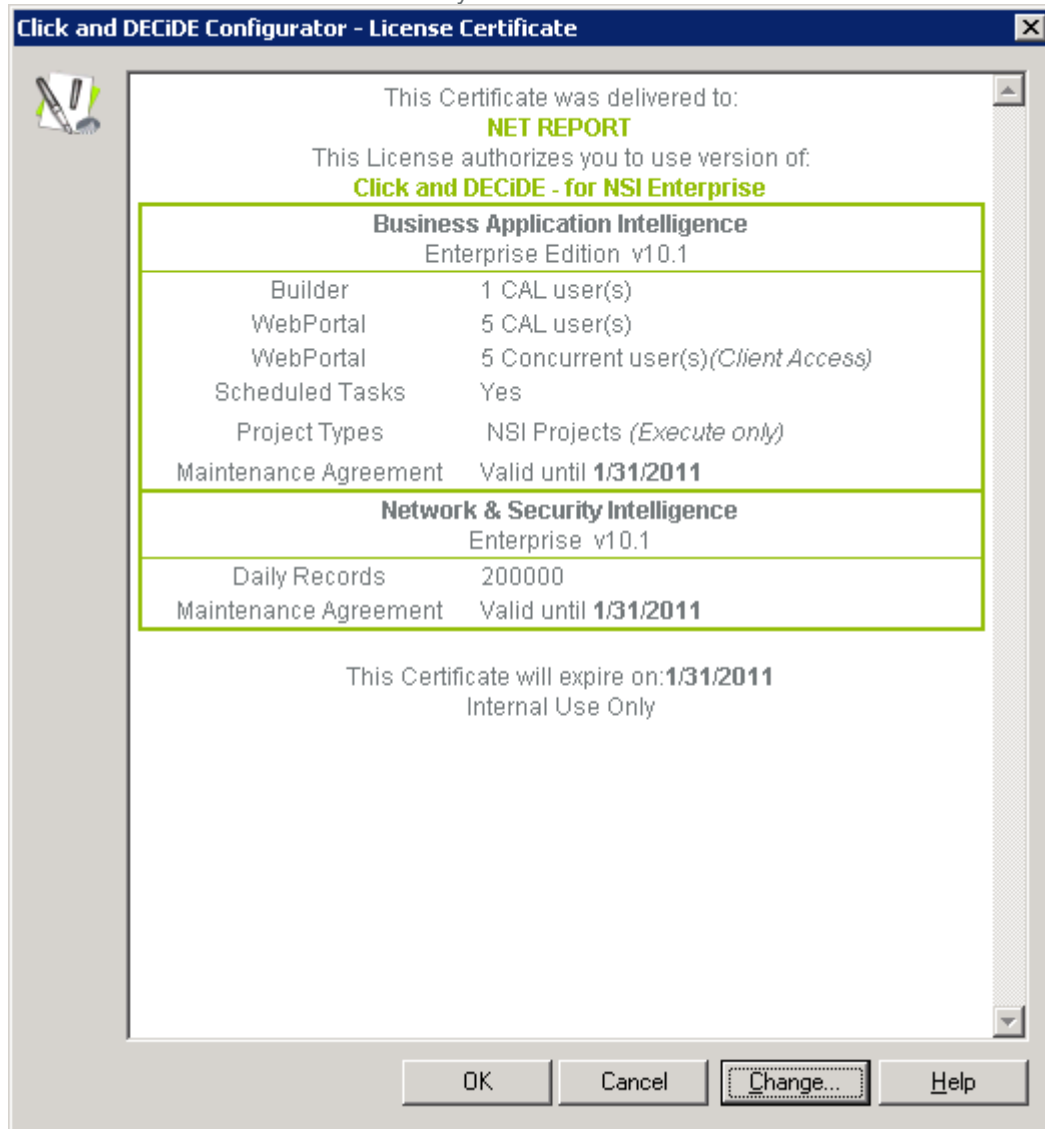
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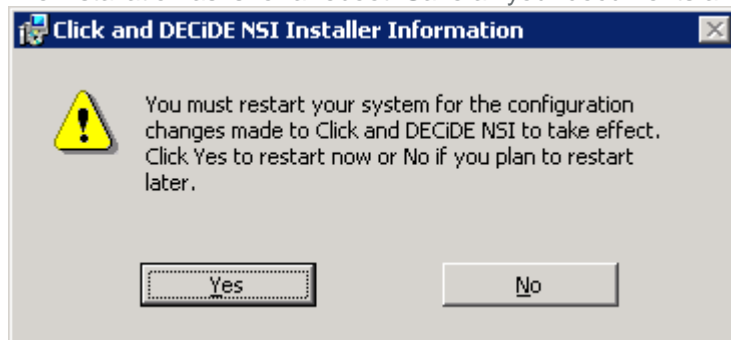
Section 4: Restore your configuration

Enter your License Certificate

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

2. Click **Change…**

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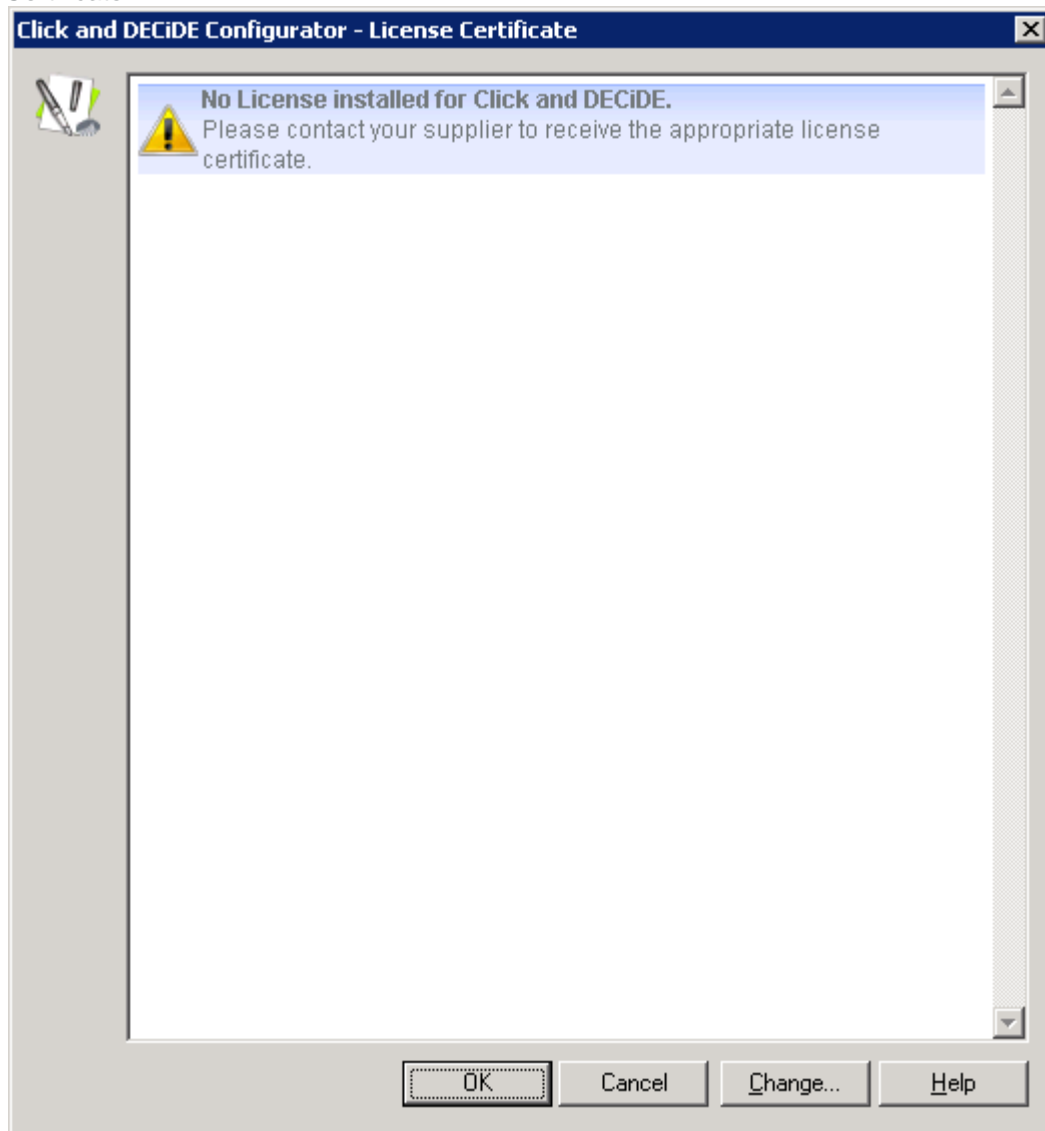
3. Select the License Certificate we sent you for Click & DECiDE - NSI 10.1.2.

Click and DECiDE Configurator - License Certificate

This Certificate was delivered to:
NET REPORT
This License authorizes you to use version of:
Click and DECiDE - for NSI Enterprise

Business Application Intelligence	
Enterprise Edition v10.1	
Builder	1 CAL user(s)
WebPortal	5 CAL user(s)
WebPortal	5 Concurrent user(s)*(Client Access)*
Scheduled Tasks	Yes
Project Types	NSI Projects *(Execute only)*
Maintenance Agreement	Valid until **1/31/2011**

Network & Security Intelligence	
Enterprise v10.1	
Daily Records	200000
Maintenance Agreement	Valid until **1/31/2011**

This Certificate will expire on:**1/31/2011**
Internal Use Only

OK   Cancel   Change...   Help

4. Click **OK**.

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5. Click **Cancel**.

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

Restore the WebPortal 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\BAI\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\BAI\Runtime_Projects (by default).

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

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3. Restore your previously generated reports (see Section 1.C.8) now located in:
   C:\Program Files\Click and DECiDE\BAI\Runtime_Projects\Static (by default).

4. Restore your customized menus (see Section 1.C.9) in the **Runtime_projects** folder now located at:
   C:\Program Files\Click and DECiDE\BAI\Runtime_Projects (by default).

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

5. Locate the Security Database backup file (.bck) from Section 1.C.3 on your hard drive.

6. Double click on the file. **Administration Manager** asks if you want to restore the Security Database.

7. Click **Yes**.

8. Verify that your configuration is correct. Especially the **Menu** tab since the **Runtime_projects** folder has changed.

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9. Click **Update Security** icon
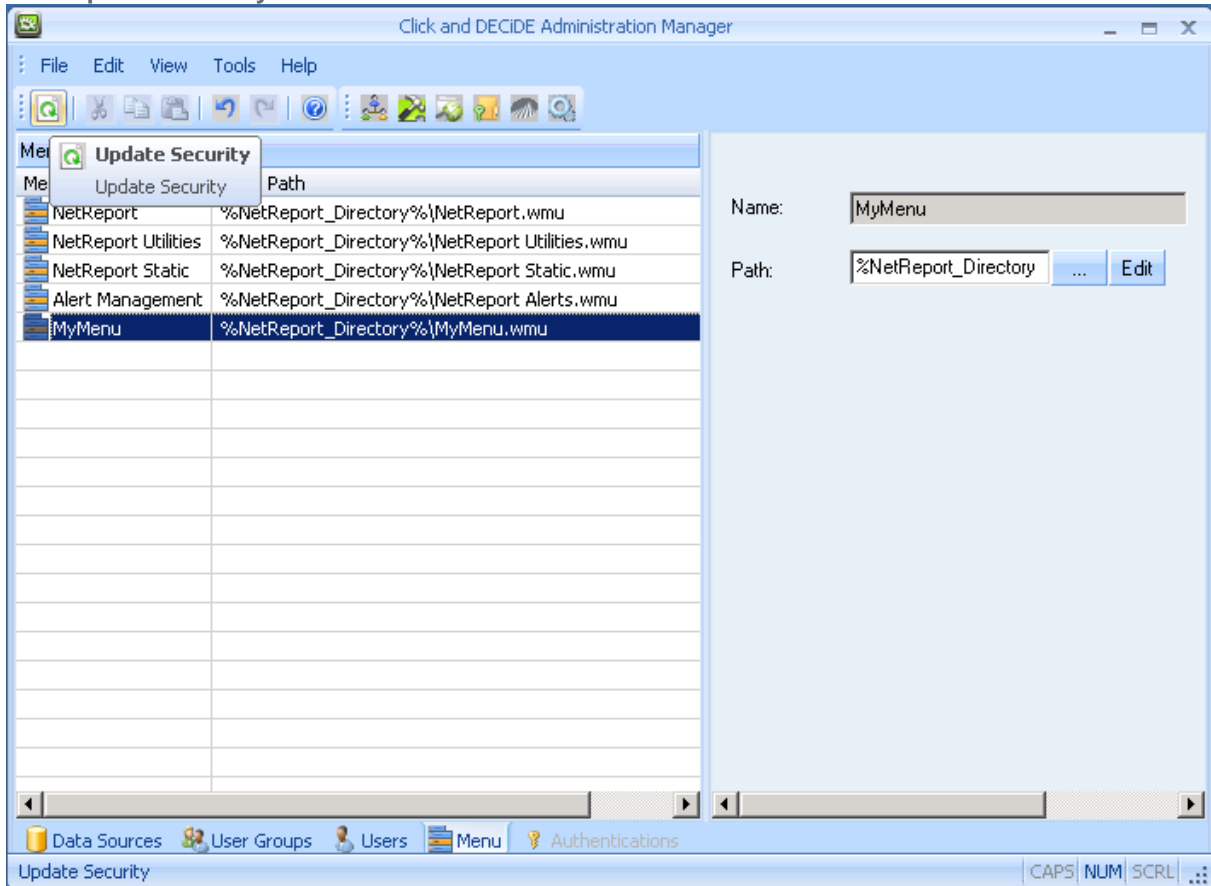
10. Click **OK**.

11. Close **Administration Manager**.

Configure Click & DECiDE - NSI Log Sources

1. Run the **Log Source Configuration** tool:
   Start>All Programs>Click and DECiDE>Network Security Intelligence>Log Source Configuration.

2. Select the same standard devices you analyzed with the previous version and for specific devices, select other device which have the same Category.

3. 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.

4. Click **OK**.

5. Click **Settings…** in the **Database** section.

6. 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:

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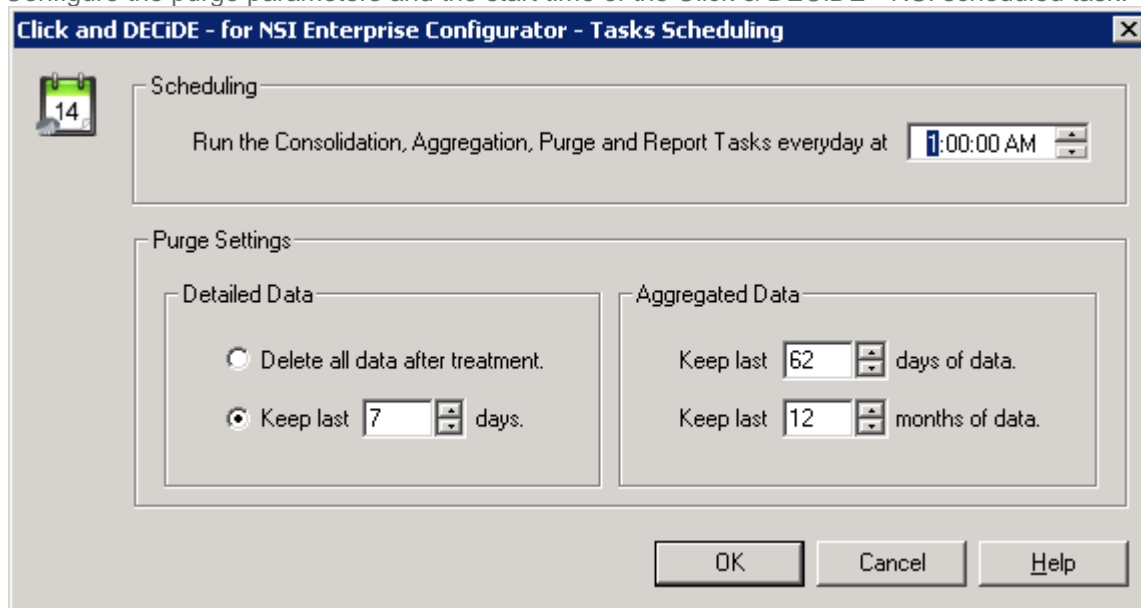
8. Click **OK**.

9. Click **Settings…** in the **Scheduled Tasks** section.

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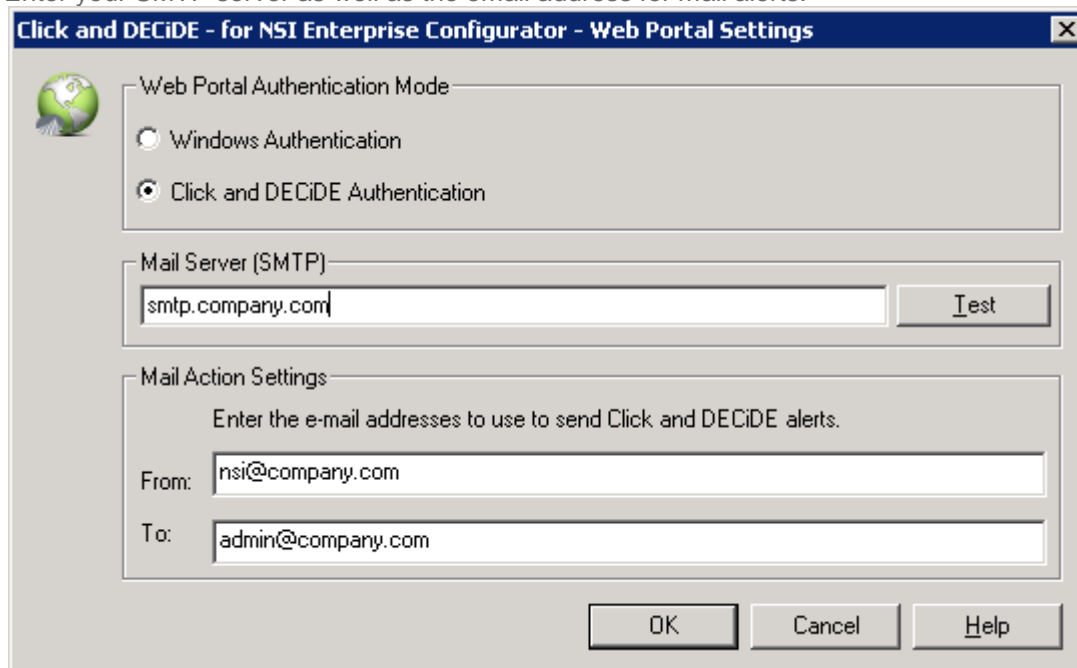
11. Click **OK**.

12. Click **Settings…** in the **Web Portal** section.

13. Select **Click and DECiDE Authentication**.

14. Enter your SMTP server as well as the email address for mail alerts.

15. Click **OK**.

16. Click **Settings…** in the **Log Archive** section.

17. Configure your Log Archive settings.

18. Click **OK**.

19. Click **OK** to apply your configuration.

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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…**
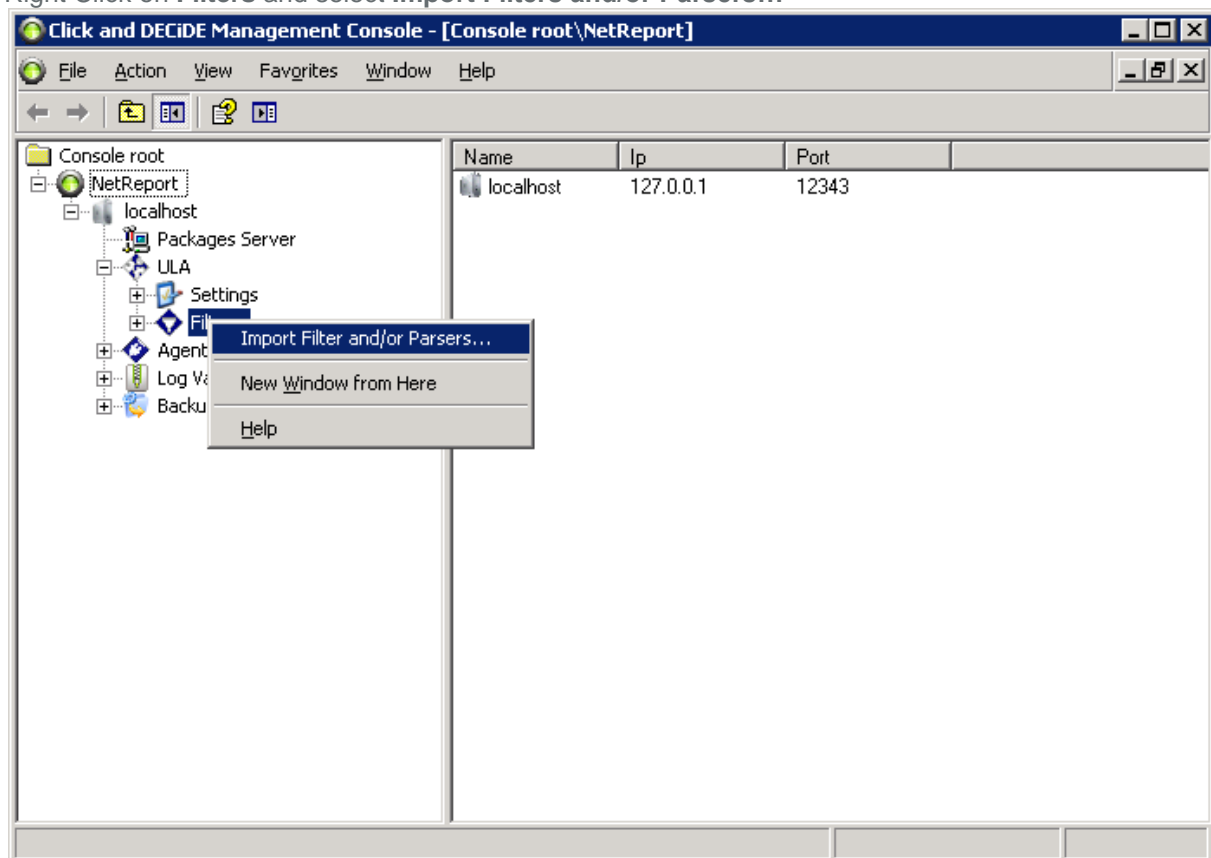
5. Select a non-standard filter you exported (see Section 1.B.7).

6. Confirm that you want to import the filter and its parsers.

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7. 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:
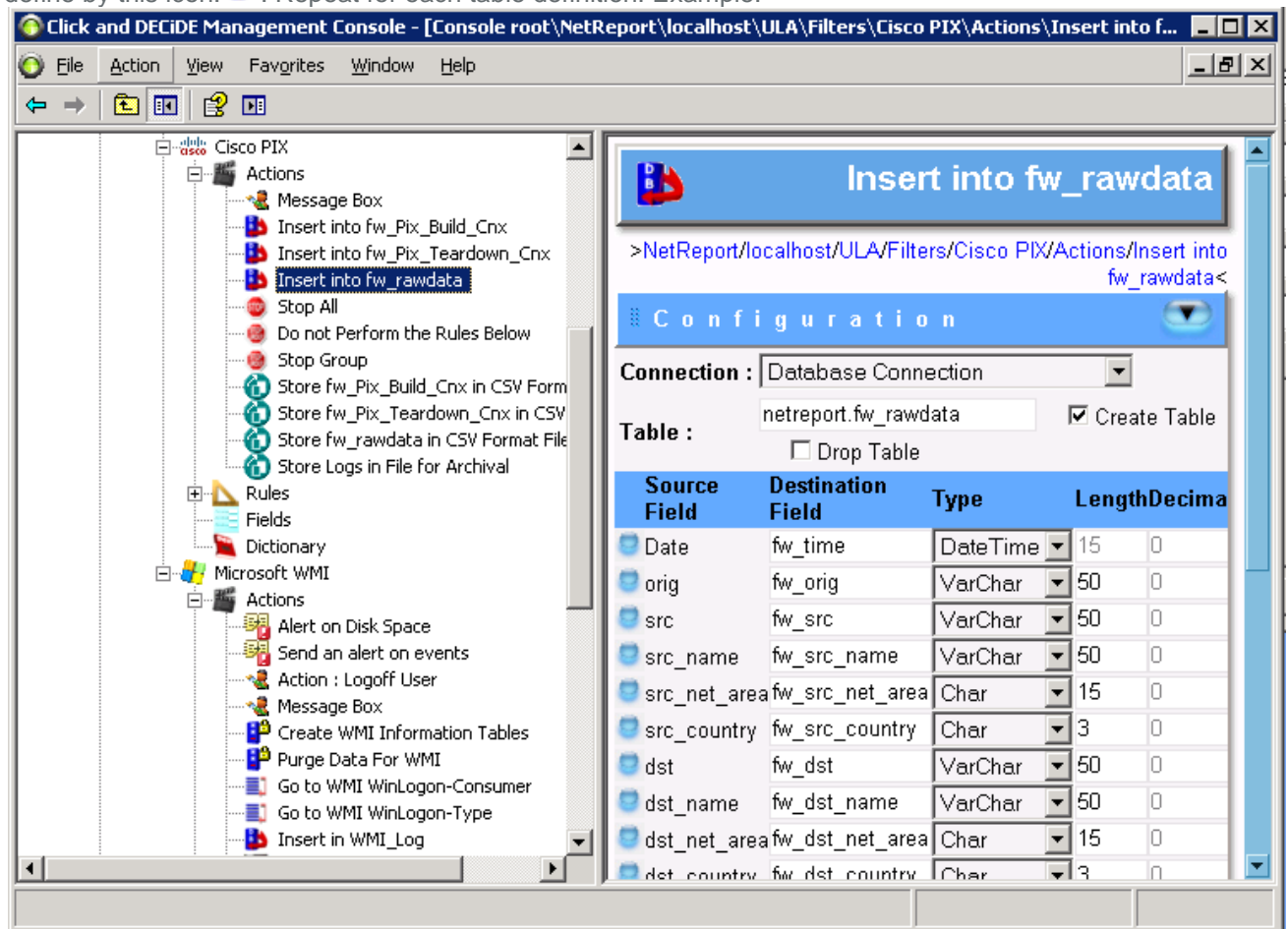
8. Repeat steps 4. to 7. for every non standard device.

9. Go to **NetReport/localhost/Backups**, you should see your previous configuration.

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10. Navigate and select a custom initialisation or action you want to restore. For example: the **RDNS net area** initialisation.
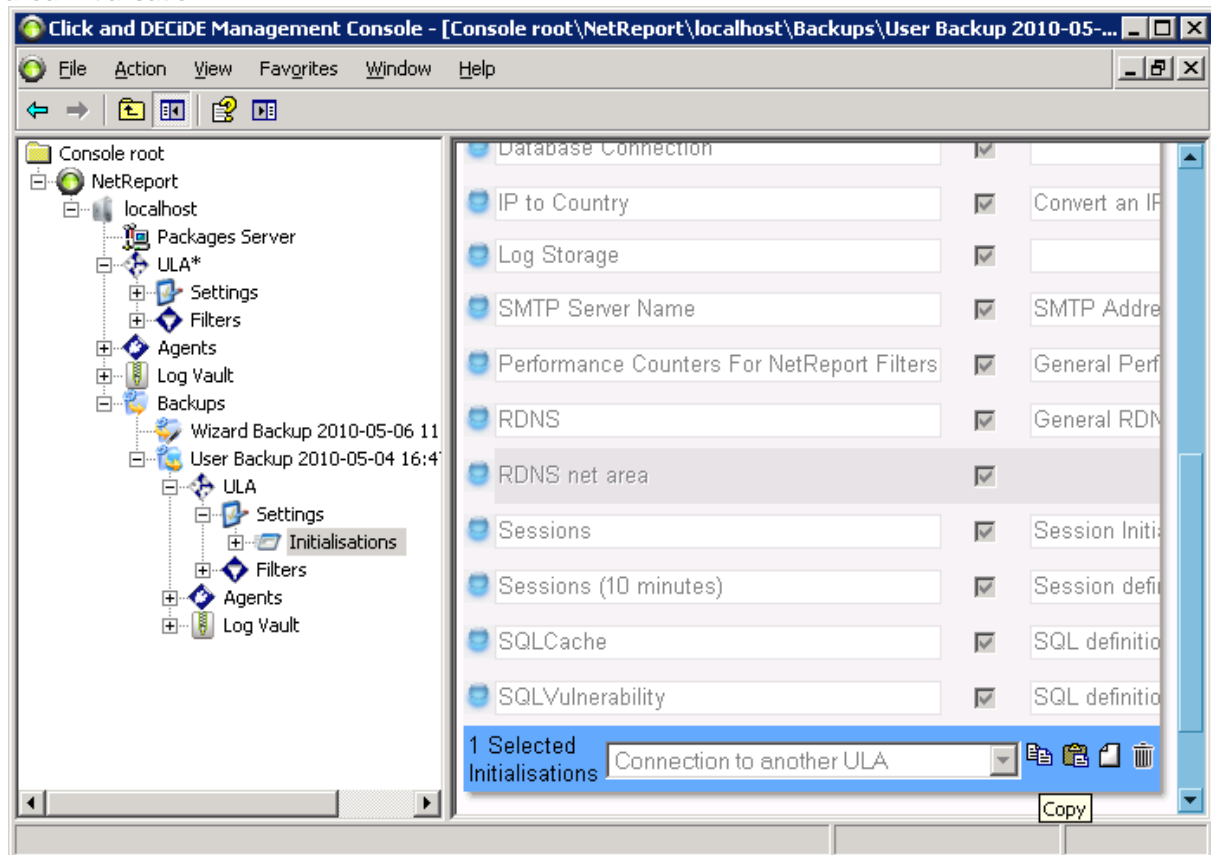
11. Click on **Copy** icon at the bottom of the page.

12. Navigate where you want to paste the initialisation or action. For example: **NetReport/localhost/ULA/Settings/Initialisations**.

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13. Select the existing initialization or action (if it exists).
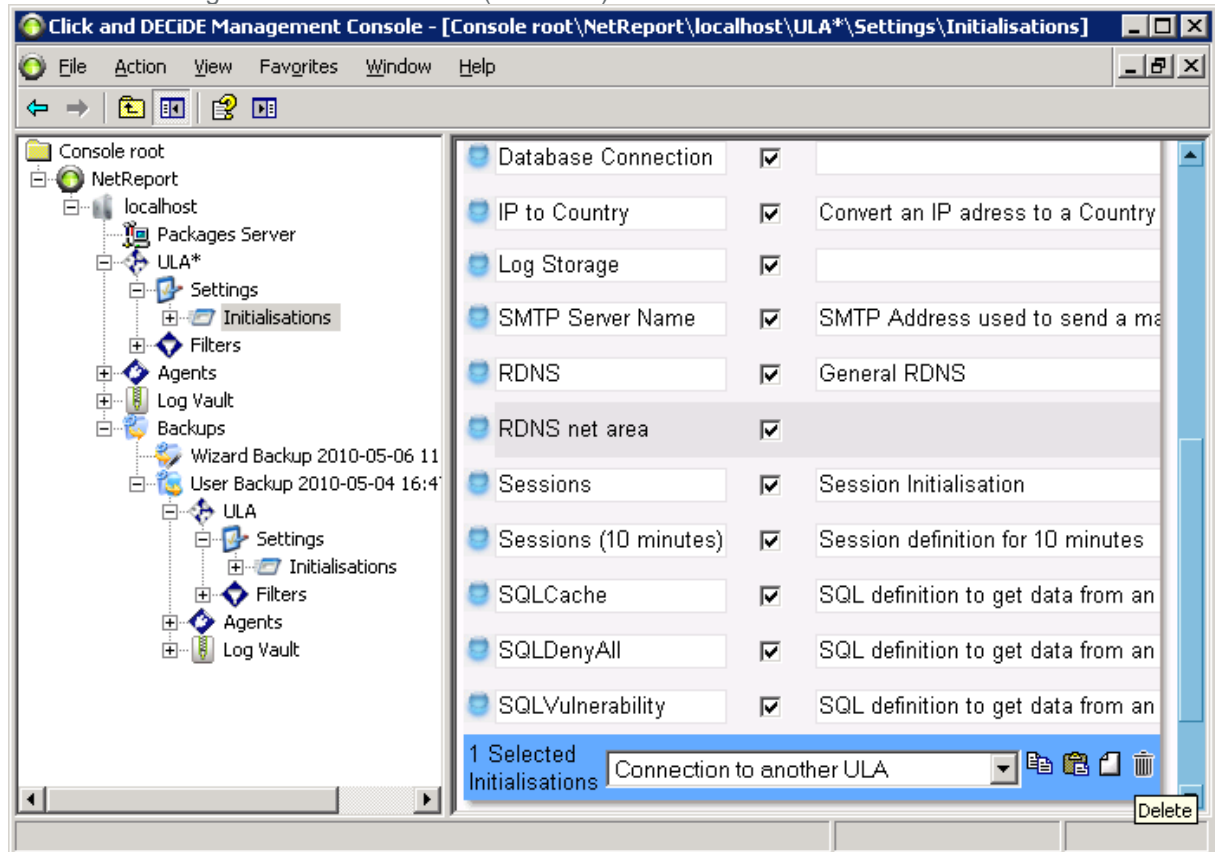
14. Click on Delete icon.

15. Click on **Paste** icon.

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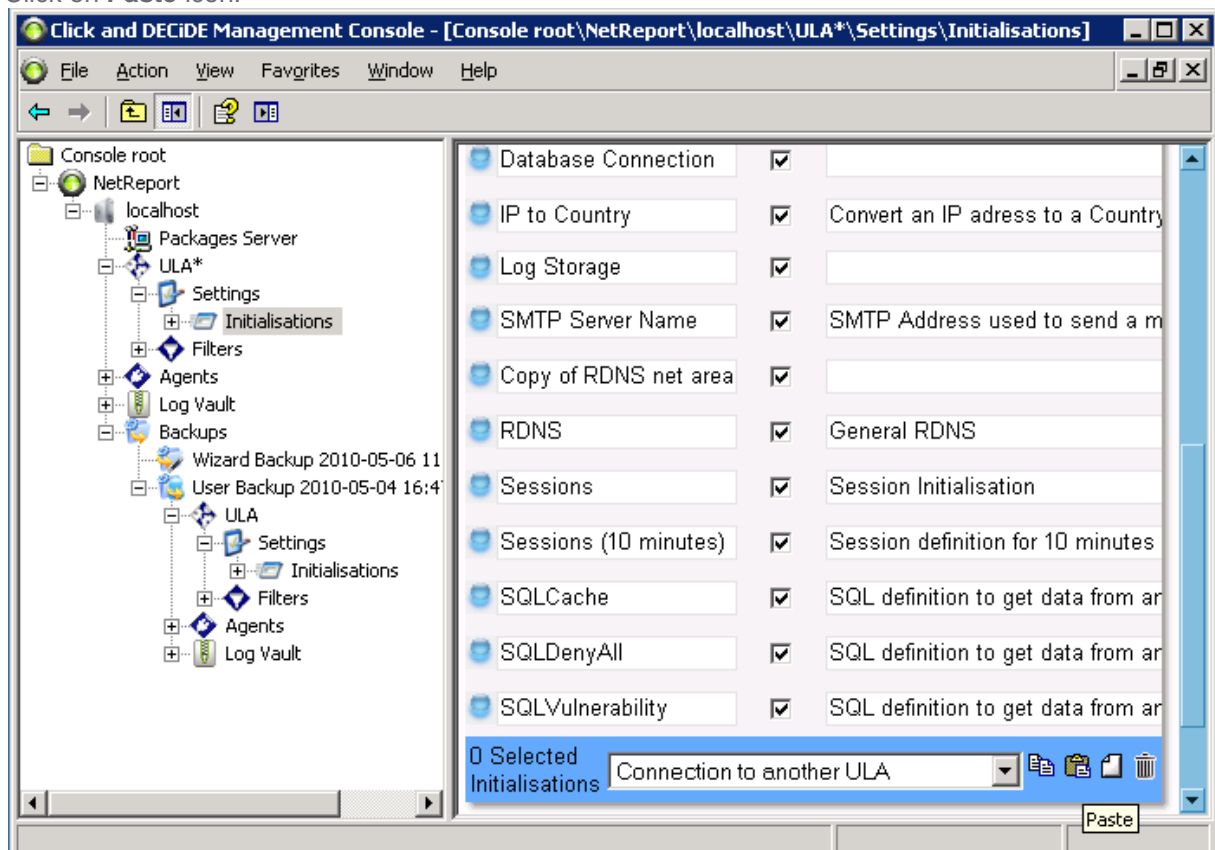
16. Rename the pasted initialization or action. Remove **Copy of**.

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**.
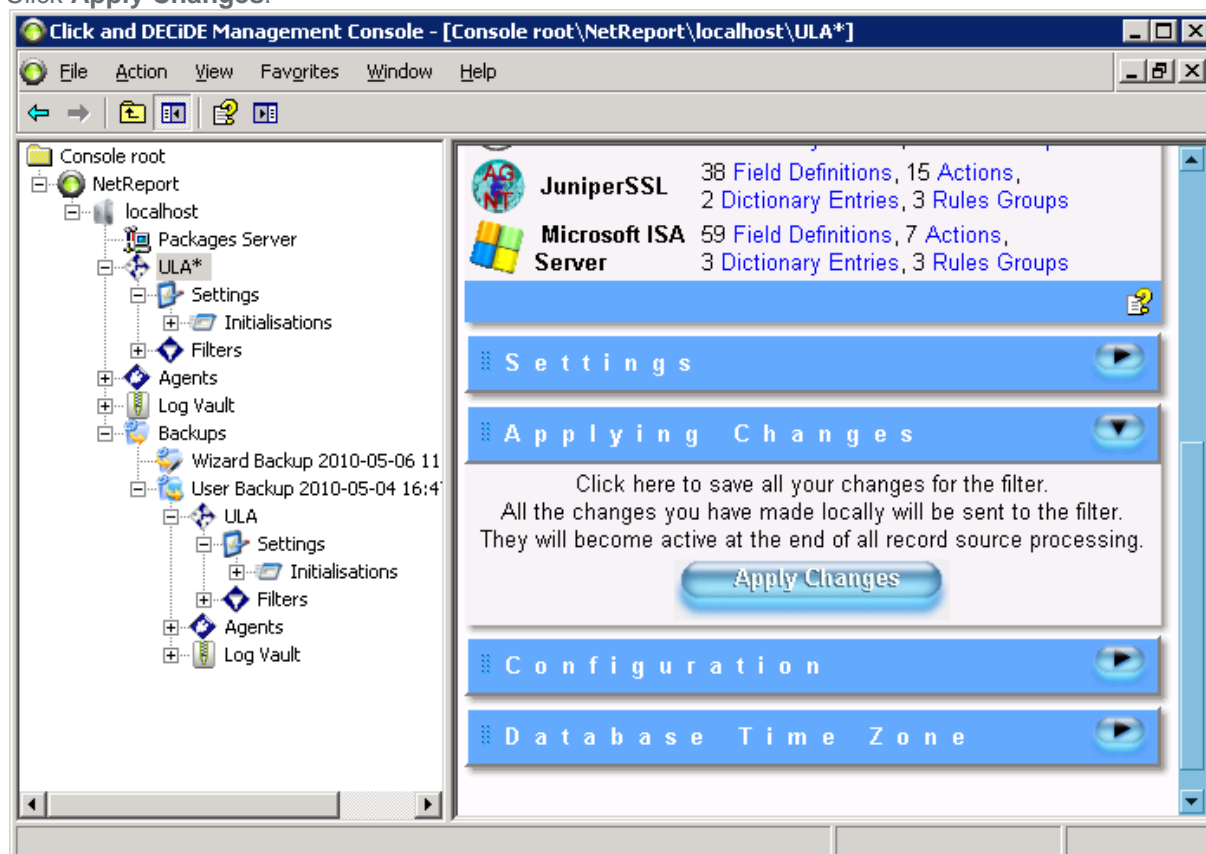
20. Open the **NetReport/localhost/Agents subtree**.

21. Navigate to a node with an asterix (*).

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22. Click **Apply Changes**.
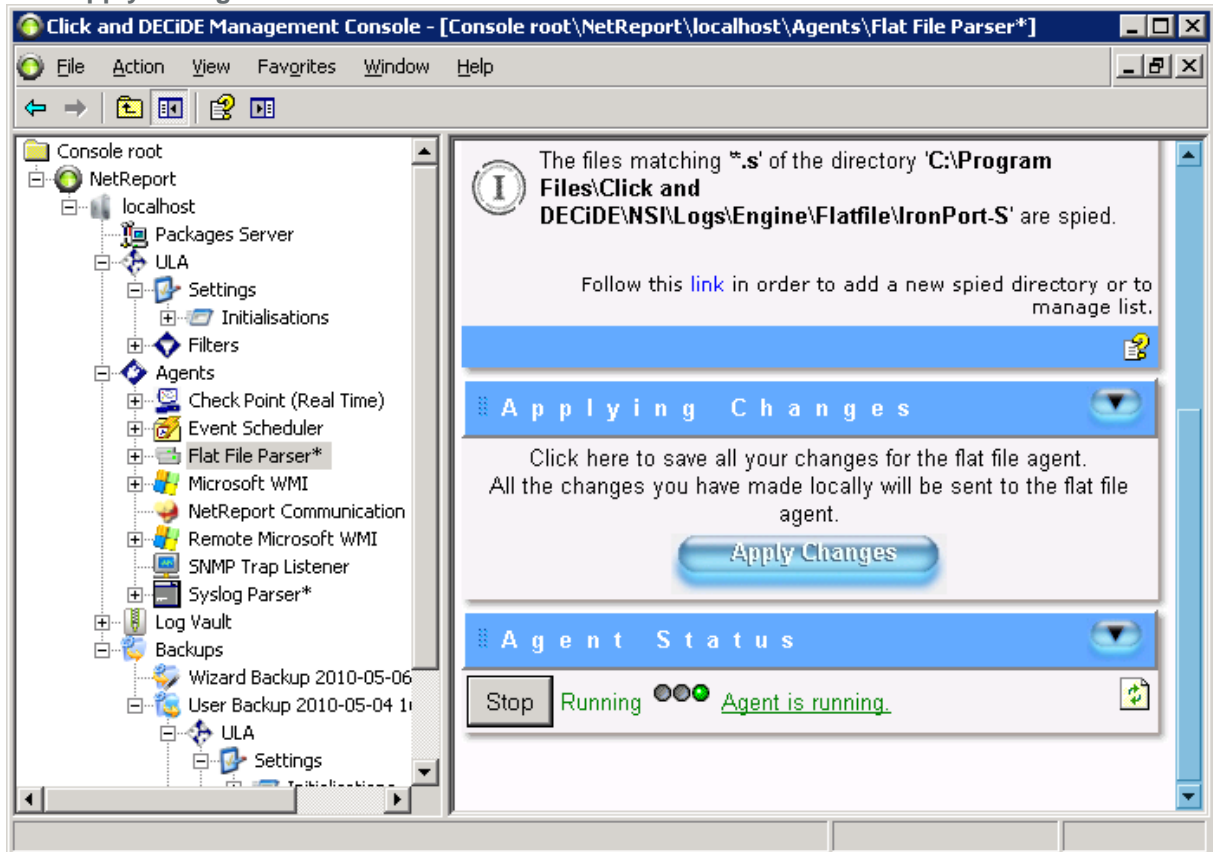
23. Repeat step 21. and 22. for every agent with an asterix (*).

> **_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.

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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**.
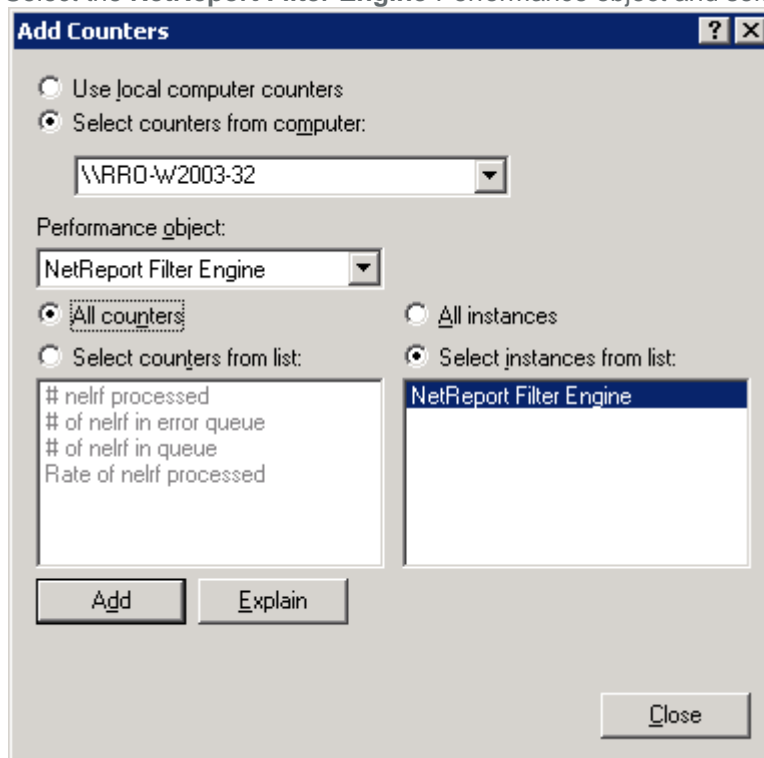
5. Click **Add**.

6. Click **Close**.

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7. Check that you don't have any nelrf (Click And DECiDE events) in the error queue.
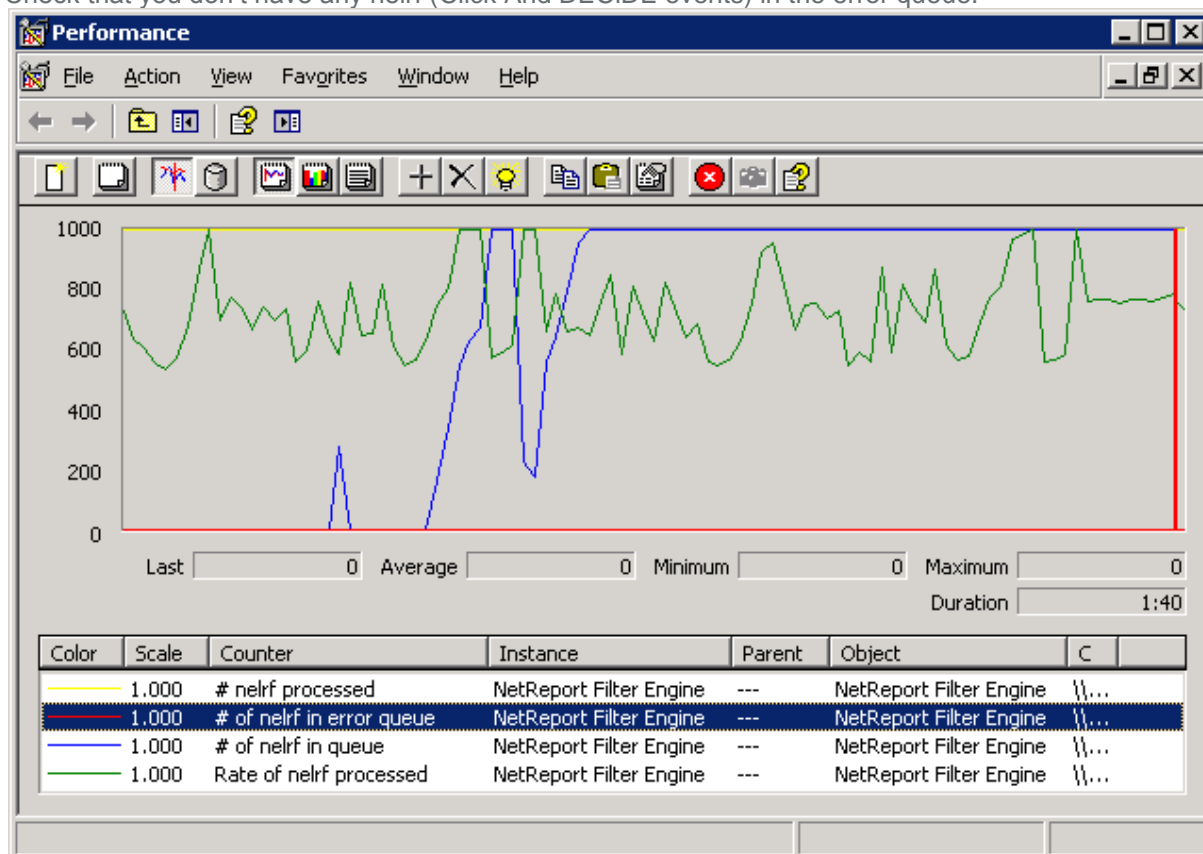
> *Note: the engine queues are stored in the folder **C:\Program Files\Click and DECiDE\NSI\Error agent Storage**. You can modify the destination of these files by changing the registry value:*
> *HKEY_LOCAL_MACHINE\SOFTWARE\NetReport\MC\Agents\Error\StoragePath.*
> *You have to restart the Click & DECiDE Filter Engine service after any change*

Log Insertion

1. Open **Web Portal**: **Start>All Programs>Click and DECiDE>Web Portal**.

2. Login as a member of **NetReport Admin**.

3. Navigate to **NSI Utilities/Database Status**.

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

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.

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7. Click **Run**.

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

Report Generation

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

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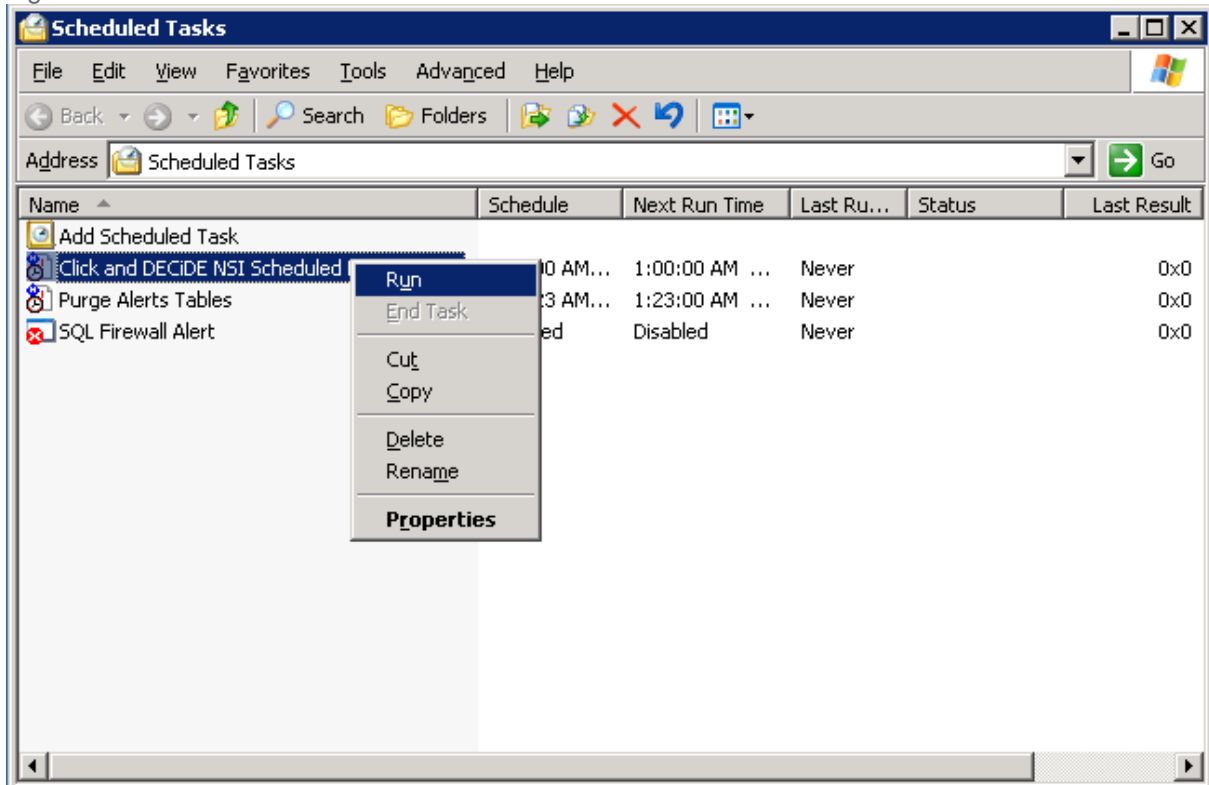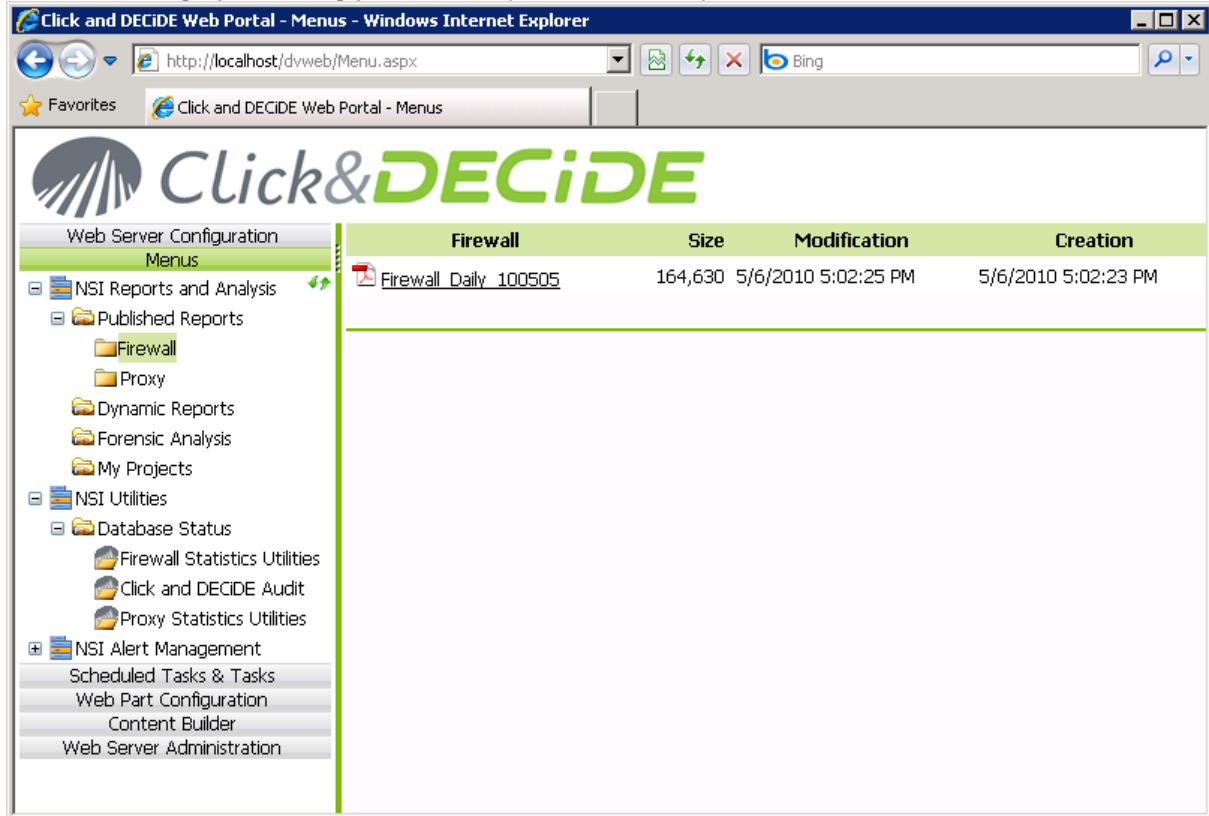

3. Wait for the task to complete (it may take some time depending on the volume of your logs).
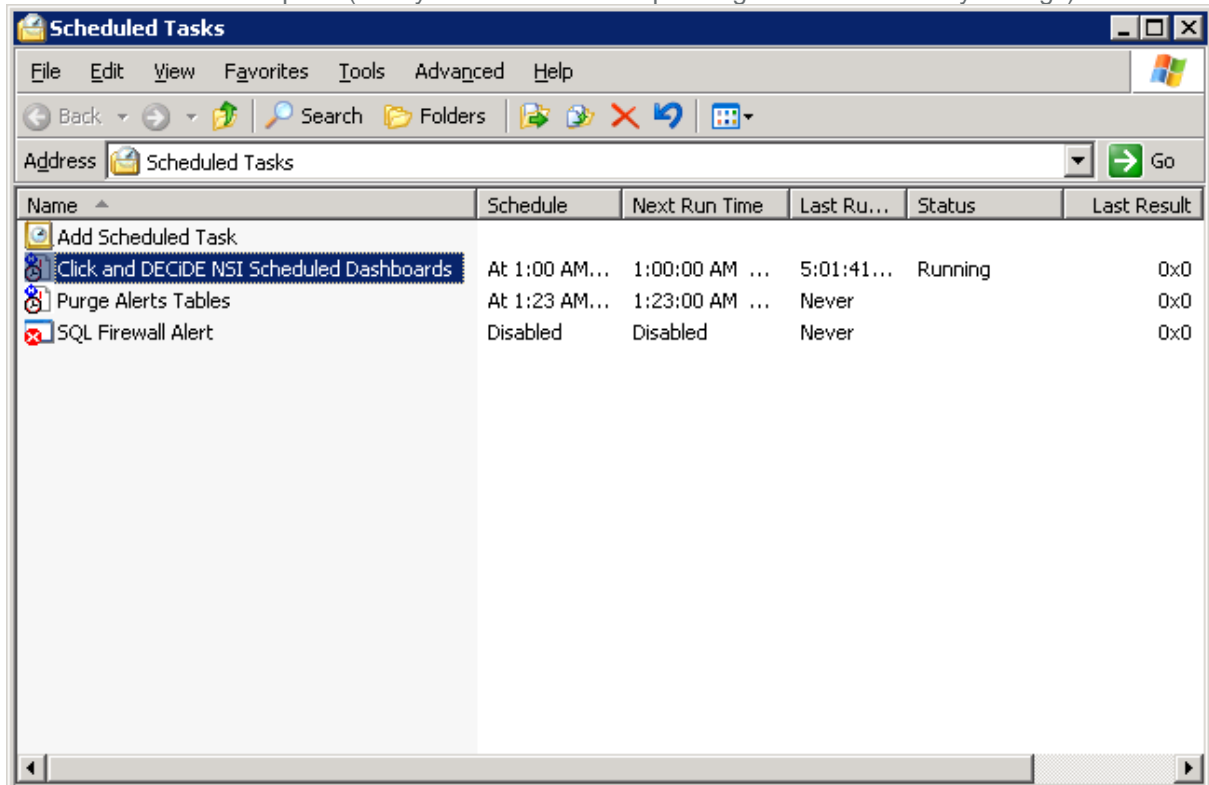
4. Return to **Web Portal** (see Section 5.B).

5. Navigate to **NSI Reports and Analysis/Published Report**.

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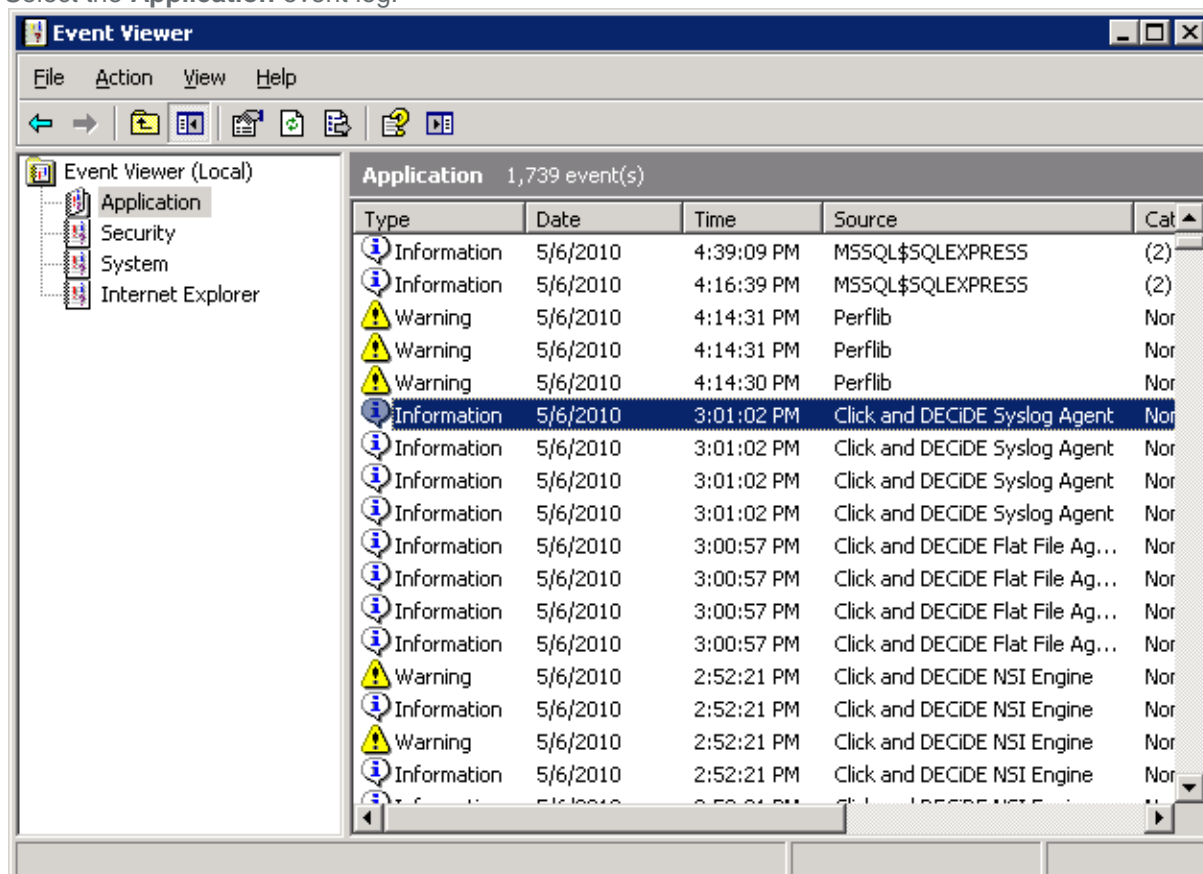

7. Check that a report has been generated. If you have inserted yesterday's logs, the reports should contain some data.

Event Viewer

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

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

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

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