Restoring a SAMLite system from backups

Contents

Pre-requisites

- Microsoft Windows Server 2003 or later (fully updated)
- SQL Server 2005 / Express Edition or later has to be ready and running
- Latest SQL Server service packs and updates (e.g. SQL Server 2005 Service Pack 4)
- Microsoft Internet Information Service
- Microsoft .Net Framework 2.0 installed and registered into IIS (see also:
  http://support.microsoft.com/kb/306005)
- ASP.NET AJAX Extension 1.0
- Administrator rights
- SAMLite Database Backup
- Valid SAMLite License file (SAMLicense.dat)
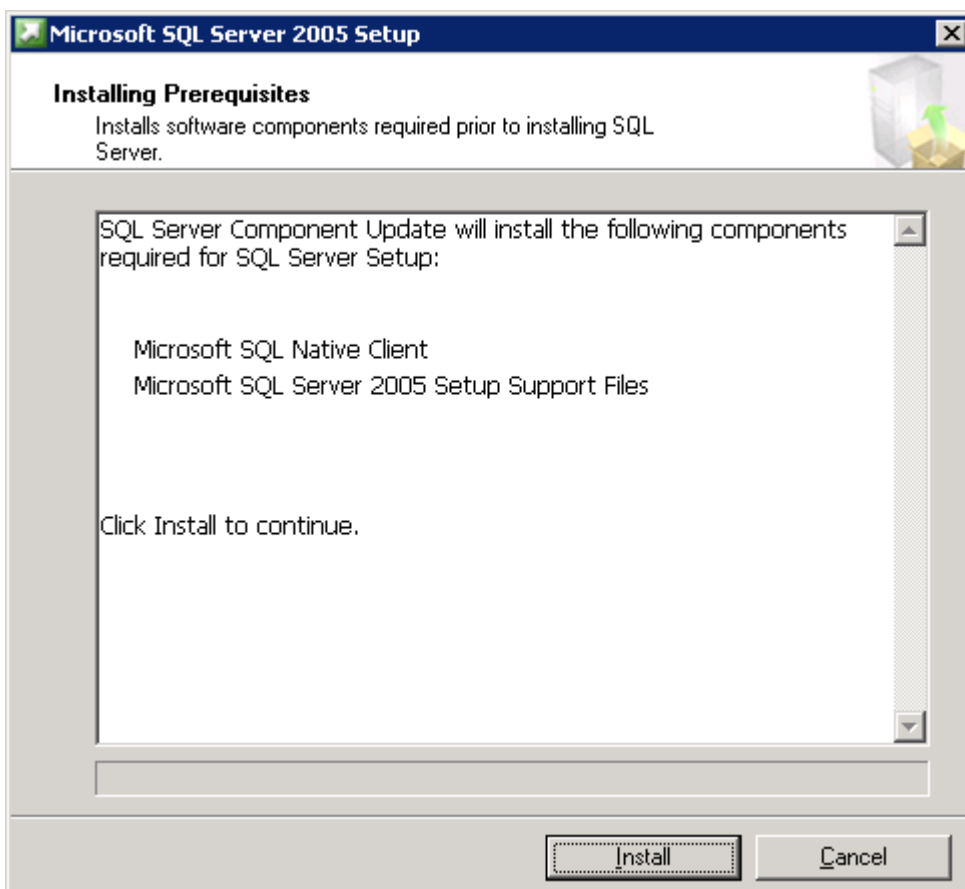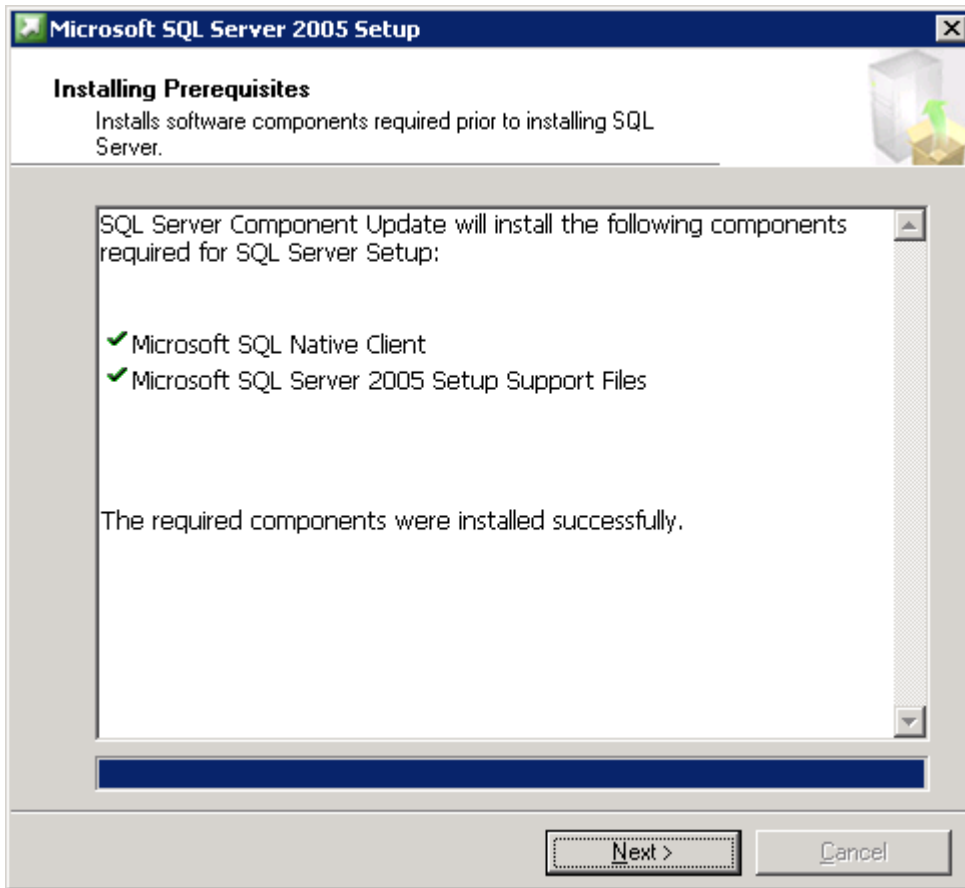
SQL Server 2005 Installation

Start install
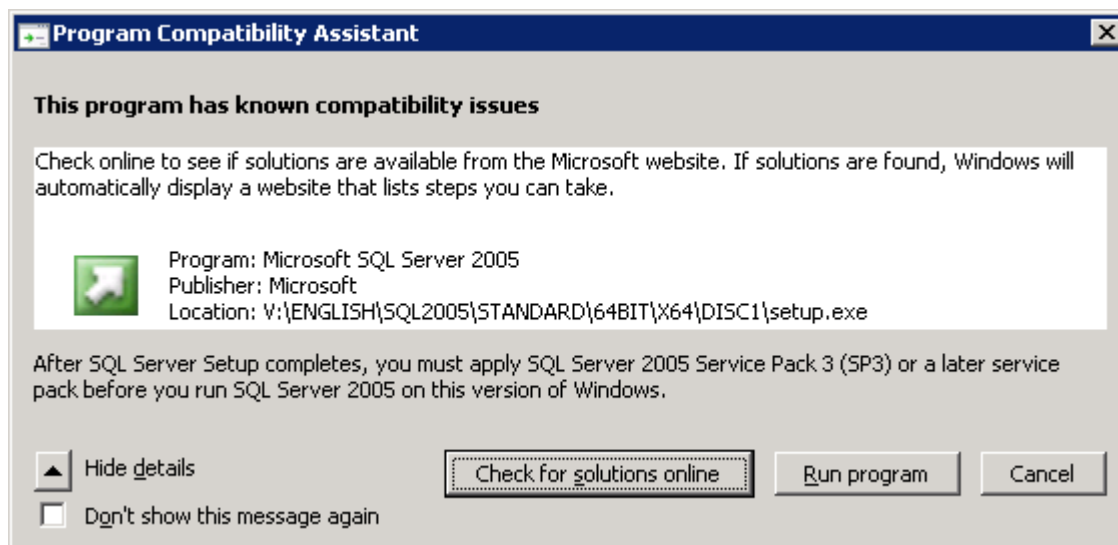
On some versions of Windows you will see the above message. Select "Run program" (you will install the service pack later)
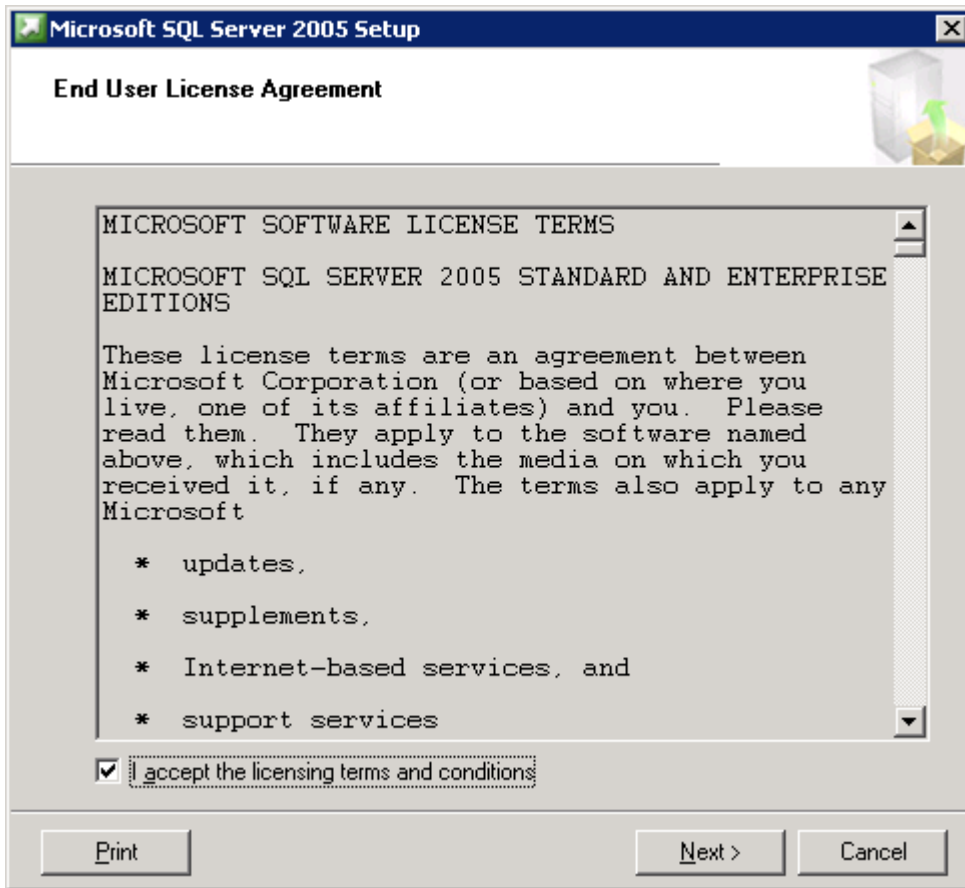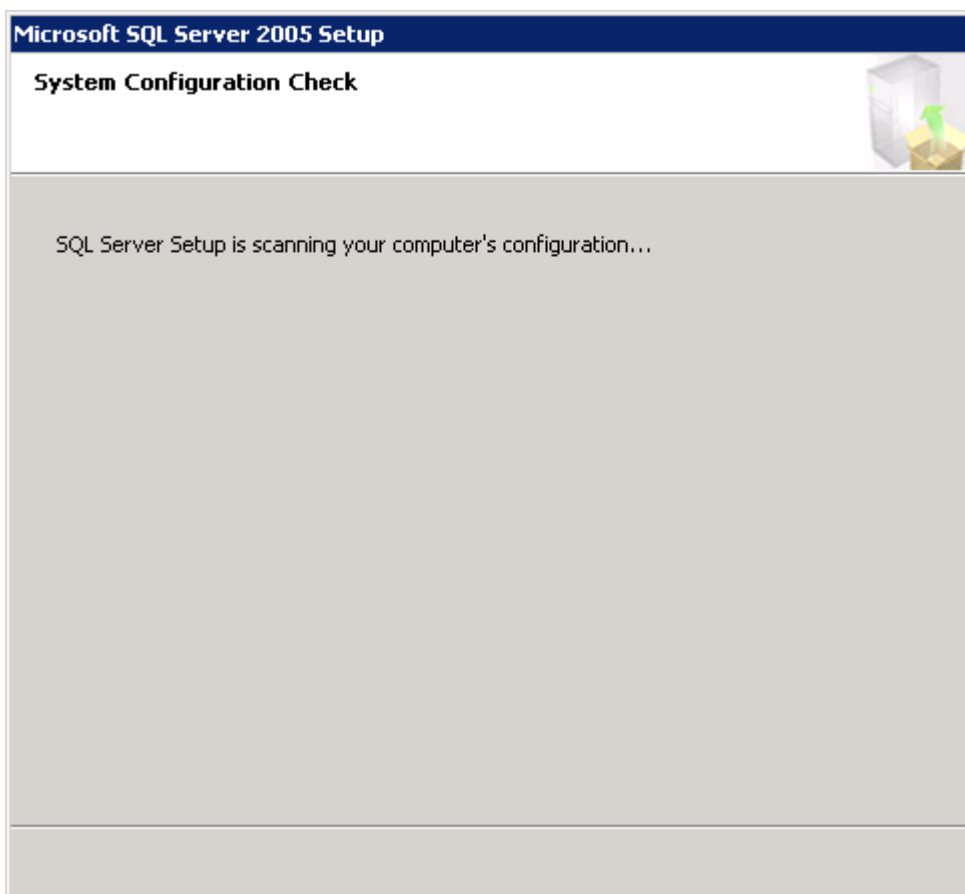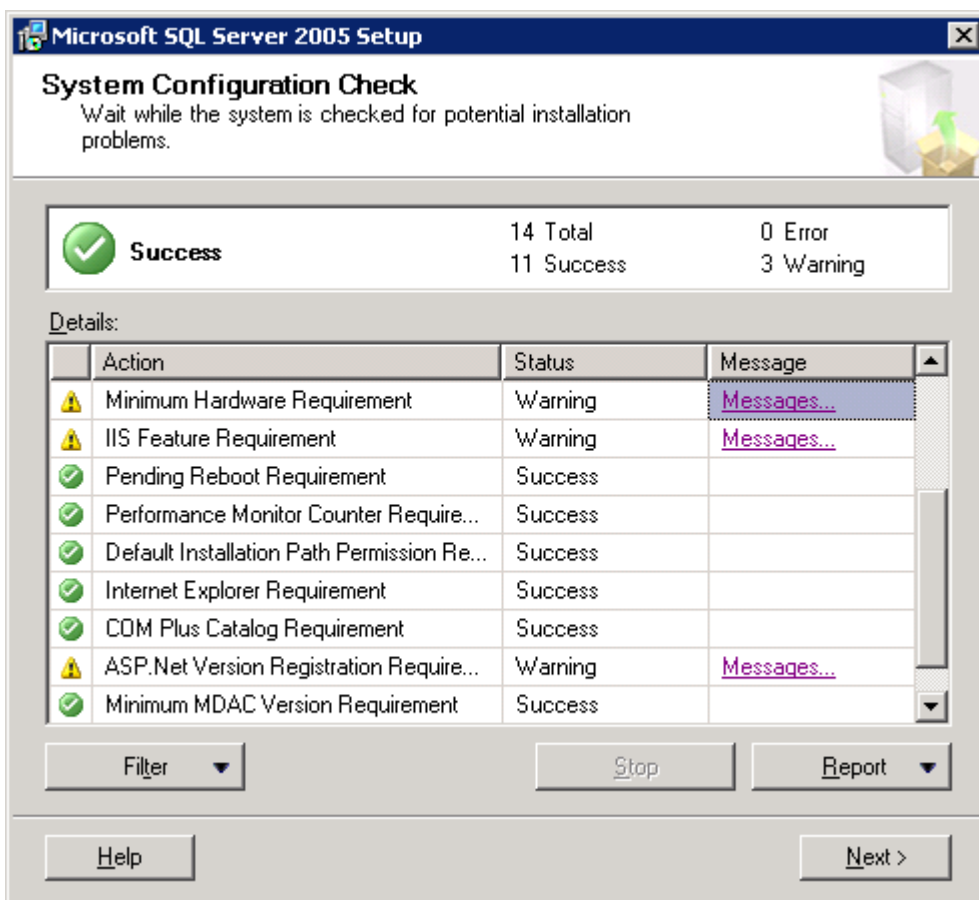
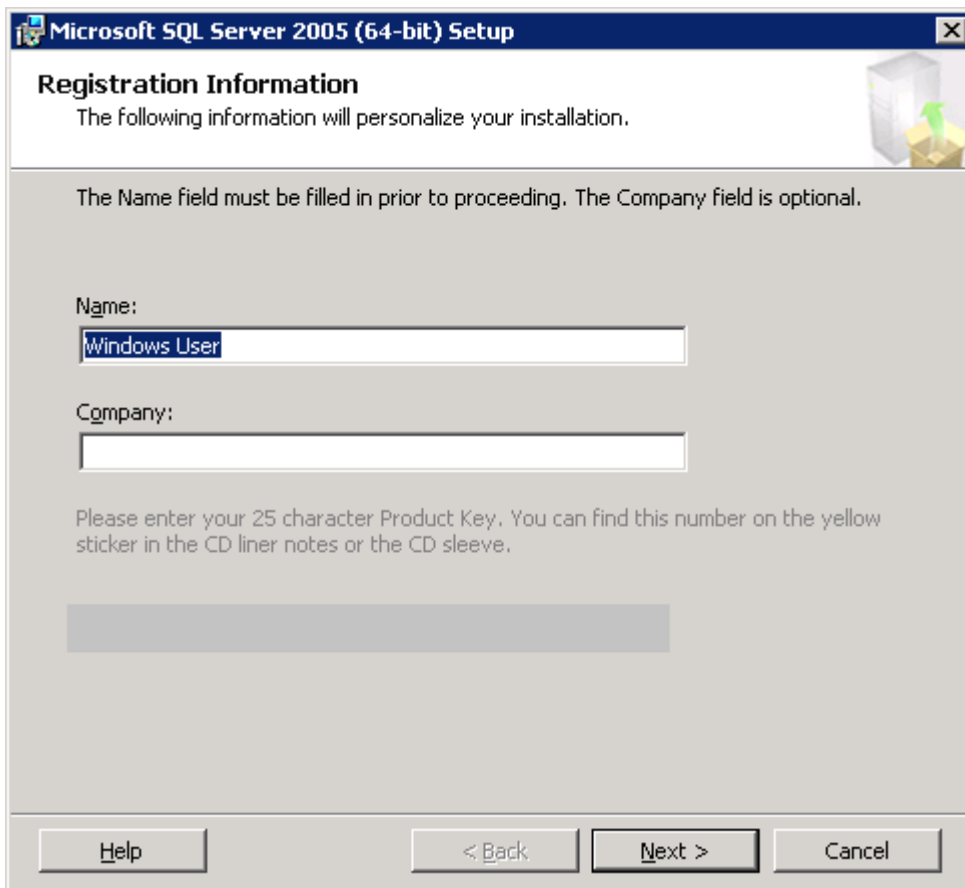Select I accept and Next

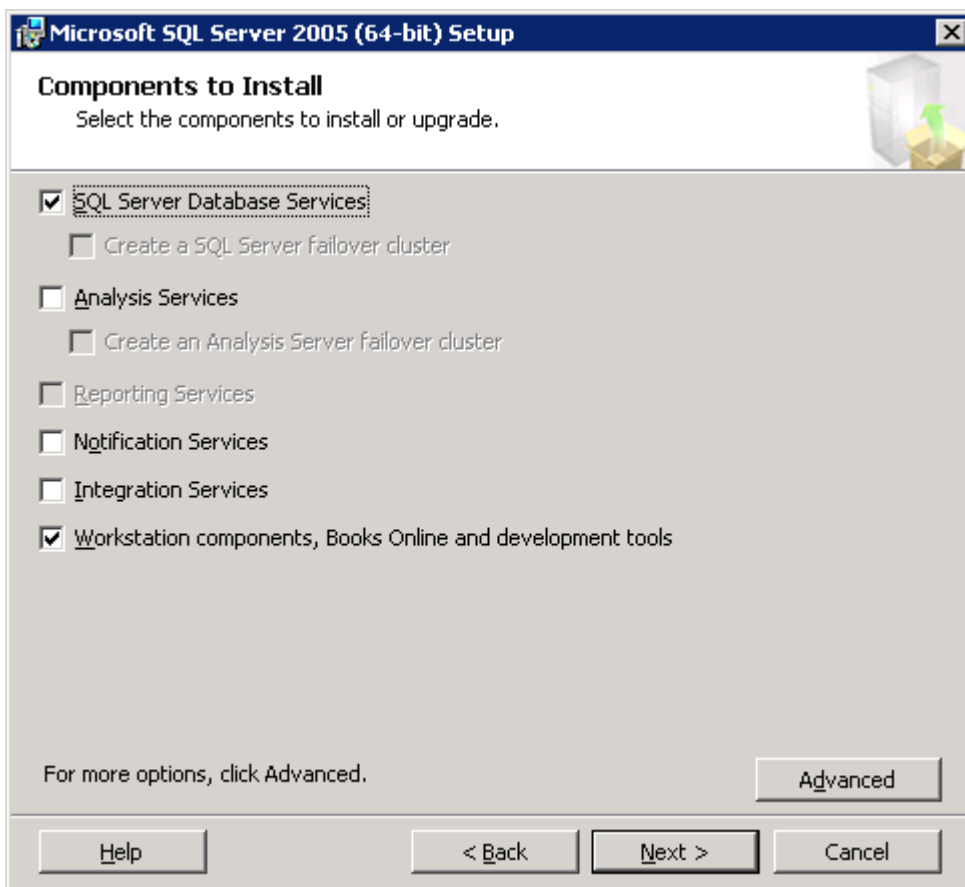Select Install
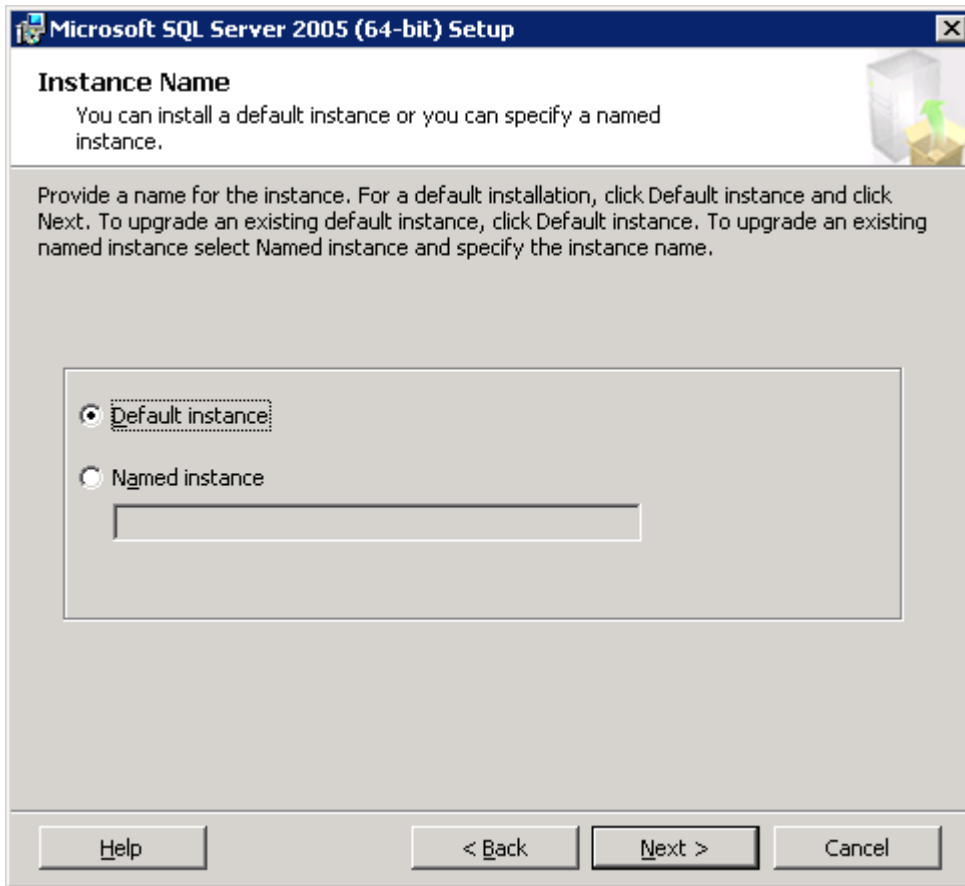
Select Next

Wait till this is done

Select Next

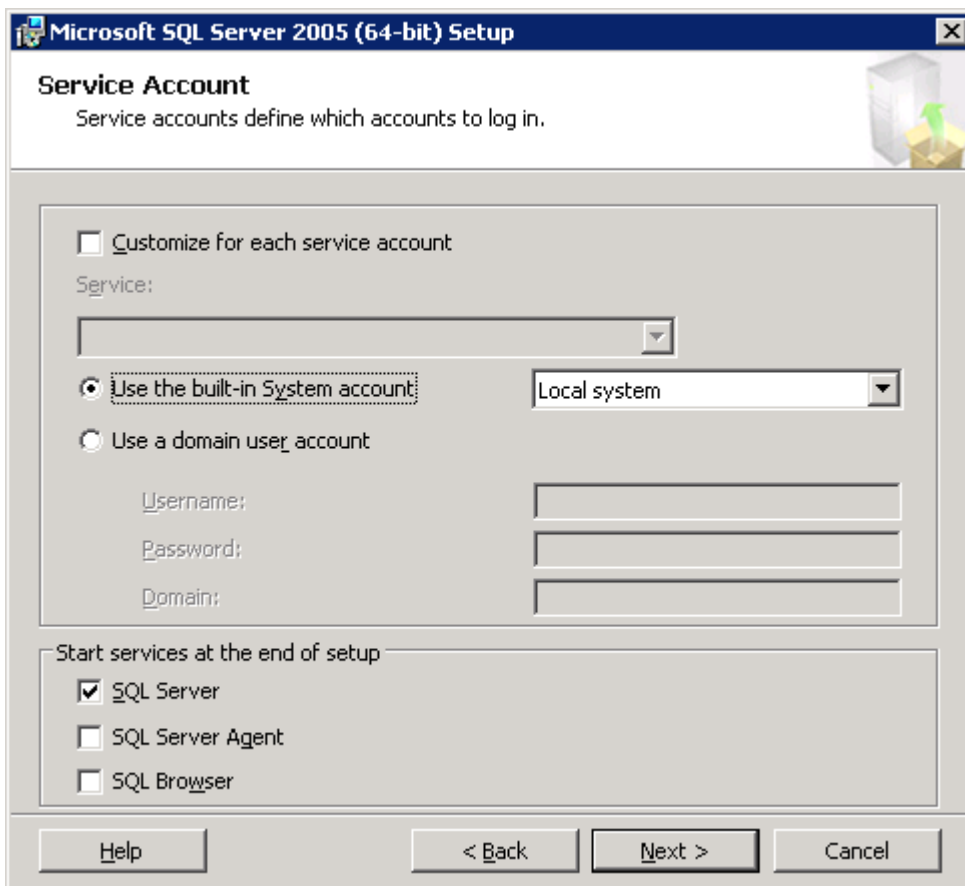Ignore these 3 warnings if they are present and click Next.
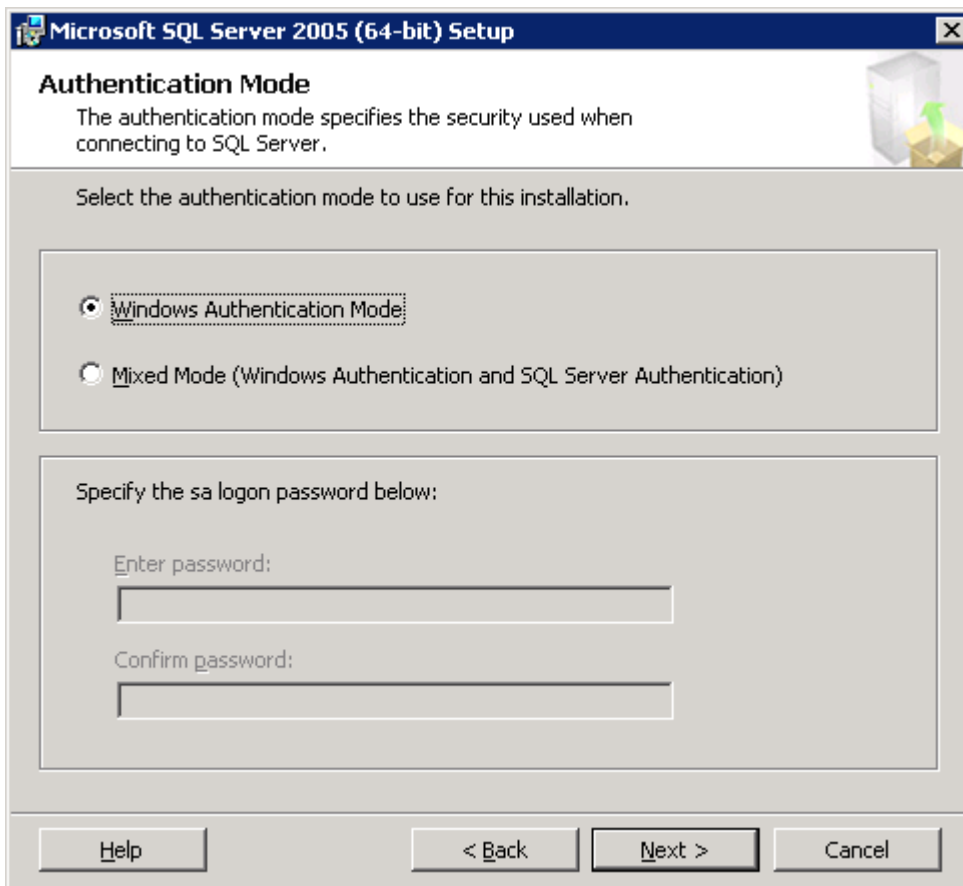
Fill in the details accordingly and select Next

"Database Services" and "SQL Management Studio" are required by SAMLite, you can use the Advanced tab to select these specifically.
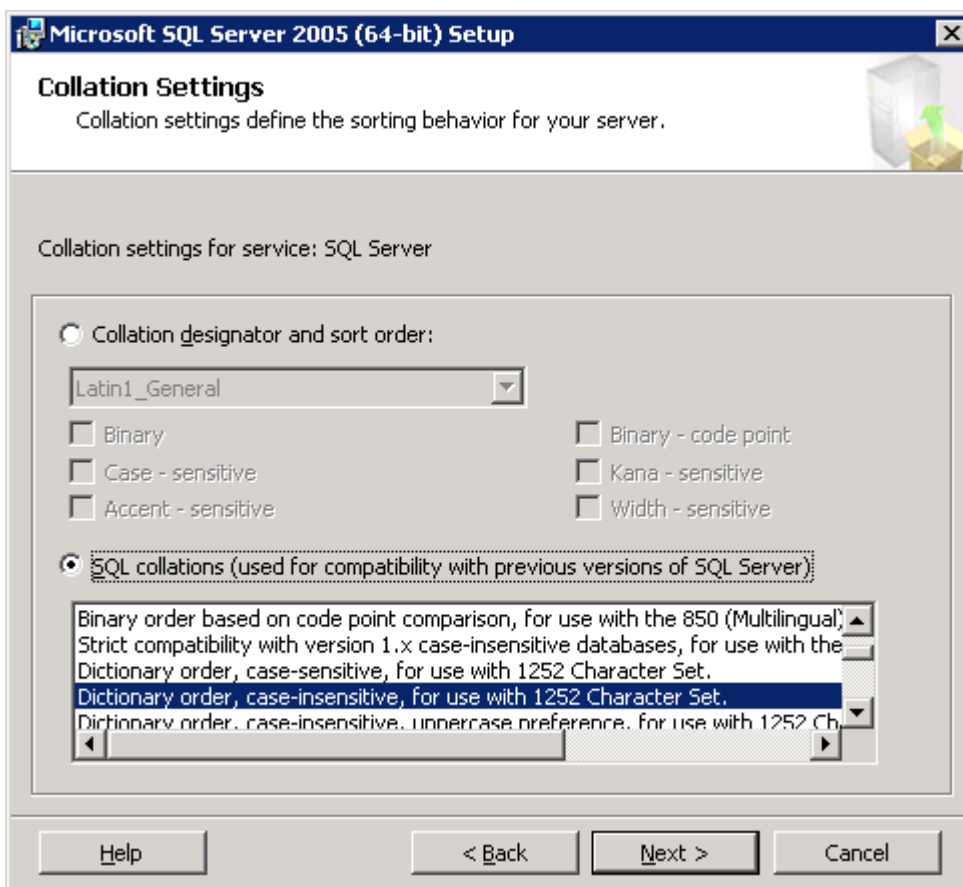
Select Default instance (you can use a different instance but you will need to configure SAMLite to use it) then
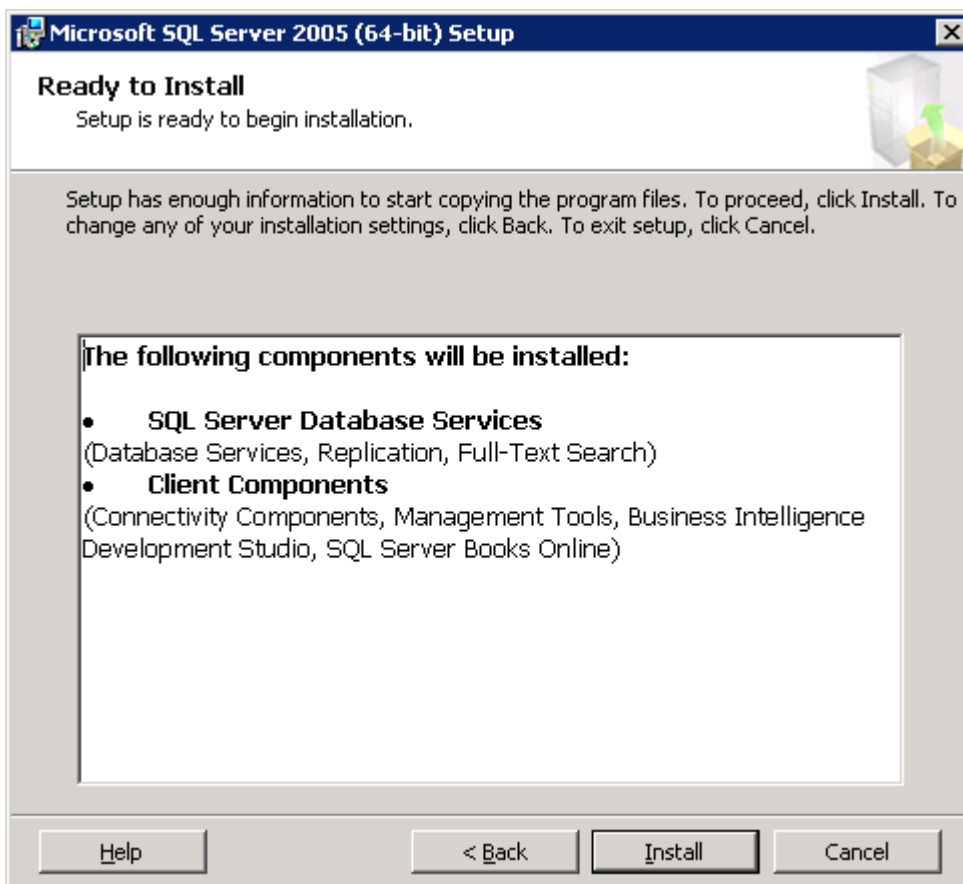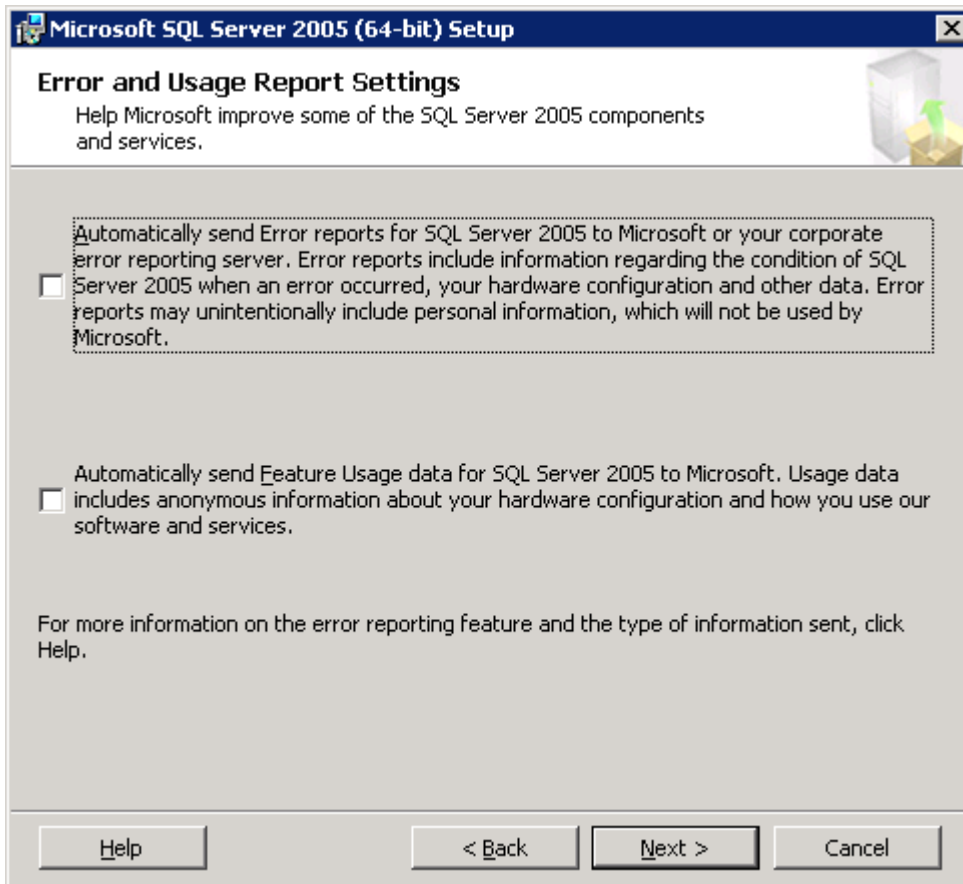click Next

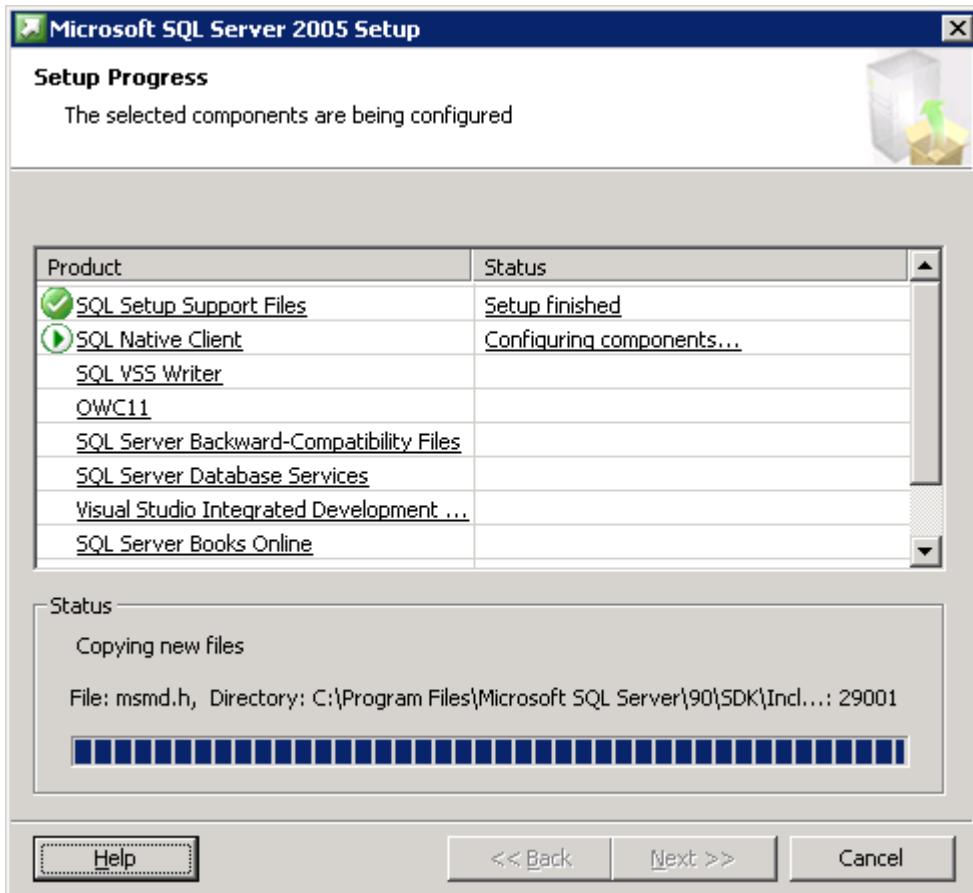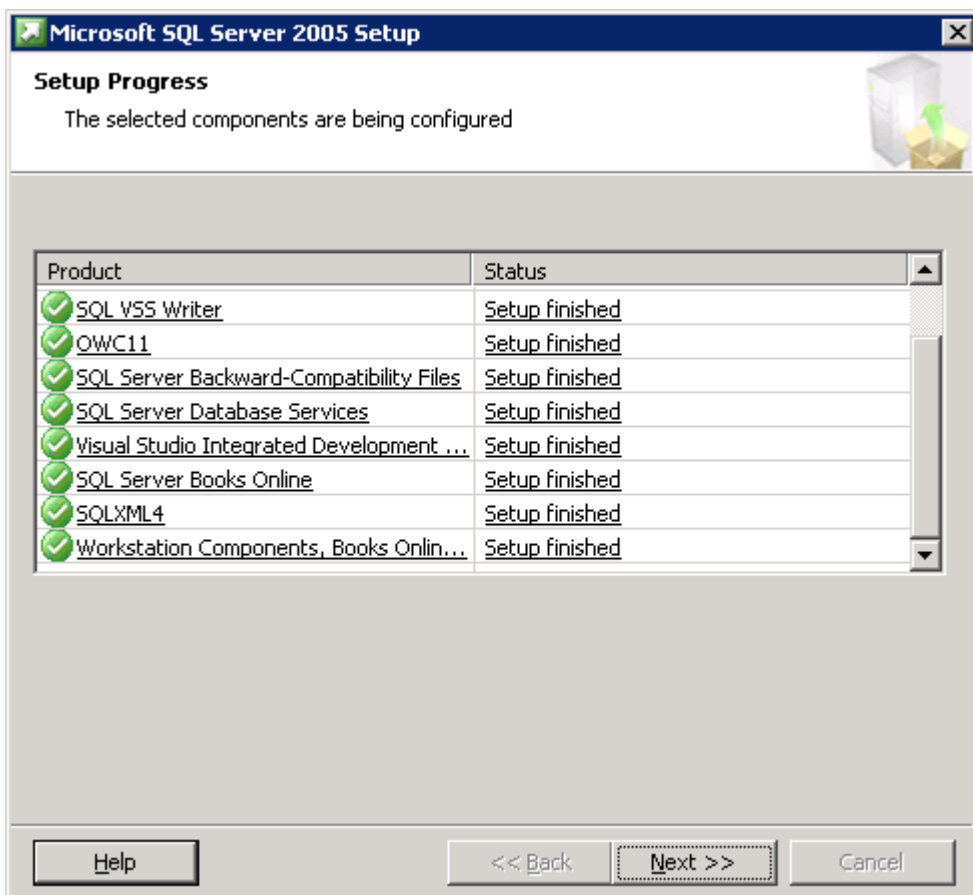Select Use the built-in System account.

Next

Select a dictionary order, case-insensitive collation.

Microsoft SQL Server 2005 (64-bit) Setup

Error and Usage Report Settings

Help Microsoft improve some of the SQL Server 2005 components and services.

☐ Automatically send Error reports for SQL Server 2005 to Microsoft or your corporate error reporting server. Error reports include information regarding the condition of SQL Server 2005 when an error occurred, your hardware configuration and other data. Error reports may unintentionally include personal information, which will not be used by Microsoft.

☐ Automatically send Feature Usage data for SQL Server 2005 to Microsoft. Usage data includes anonymous information about your hardware configuration and how you use our software and services.

For more information on the error reporting feature and the type of information sent, click Help.

[Help]   [< Back]   [Next >]   [Cancel]

Microsoft SQL Server 2005 (64-bit) Setup

Ready to Install

Setup is ready to begin installation.

Setup has enough information to start copying the program files. To proceed, click Install. To change any of your installation settings, click Back. To exit setup, click Cancel.

The following components will be installed:

- **SQL Server Database Services**
(Database Services, Replication, Full-Text Search)
- **Client Components**
(Connectivity Components, Management Tools, Business Intelligence Development Studio, SQL Server Books Online)
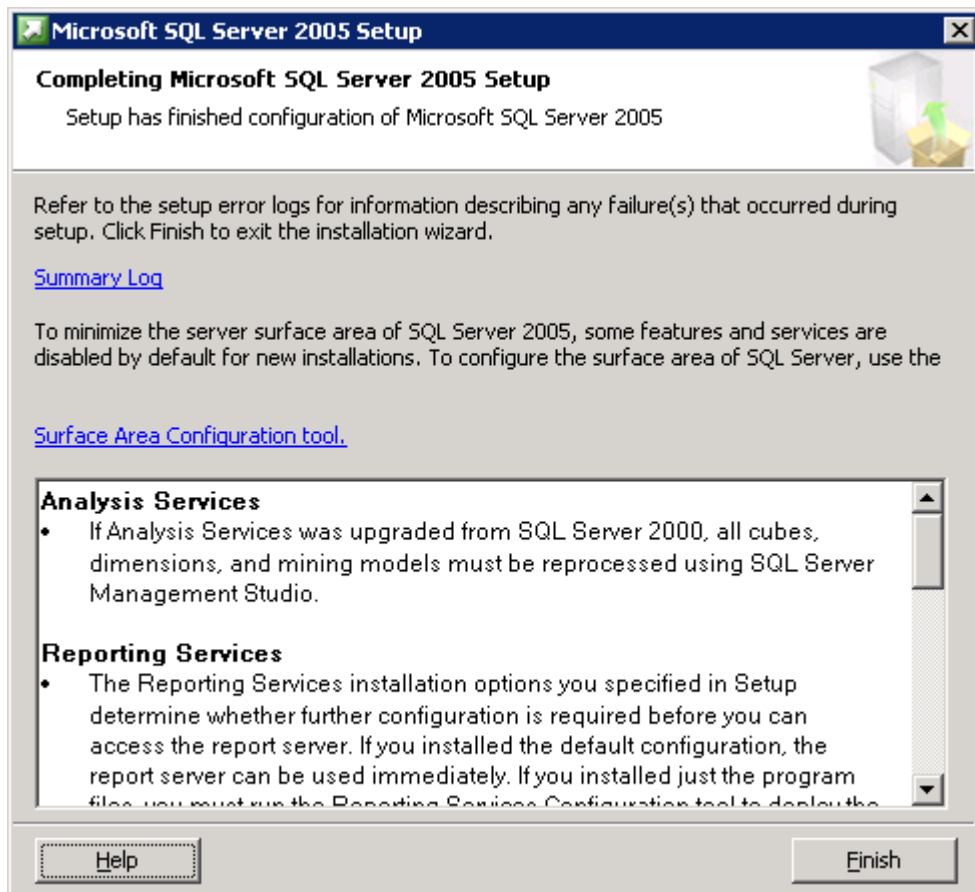
[Help]   [< Back]   [Install]   [Cancel]

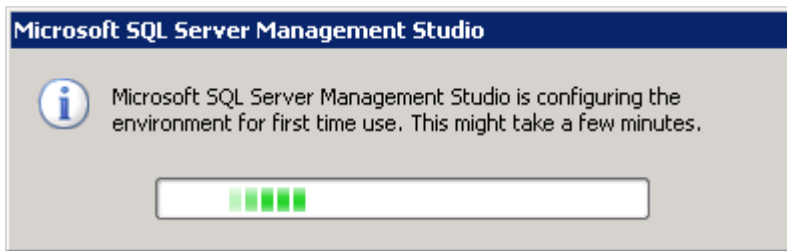Select Install if correct.

Wait

Next

Finish.

Update SQL Server

Install the latest SQL Server Service Packs and updates (e.g. SQLServer2005SP4-KB2463332-x64-ENU.exe)

Restore SAMLite Database

Restore backed up SAMLiteV5 database (set desired file system location accordingly in restore options)
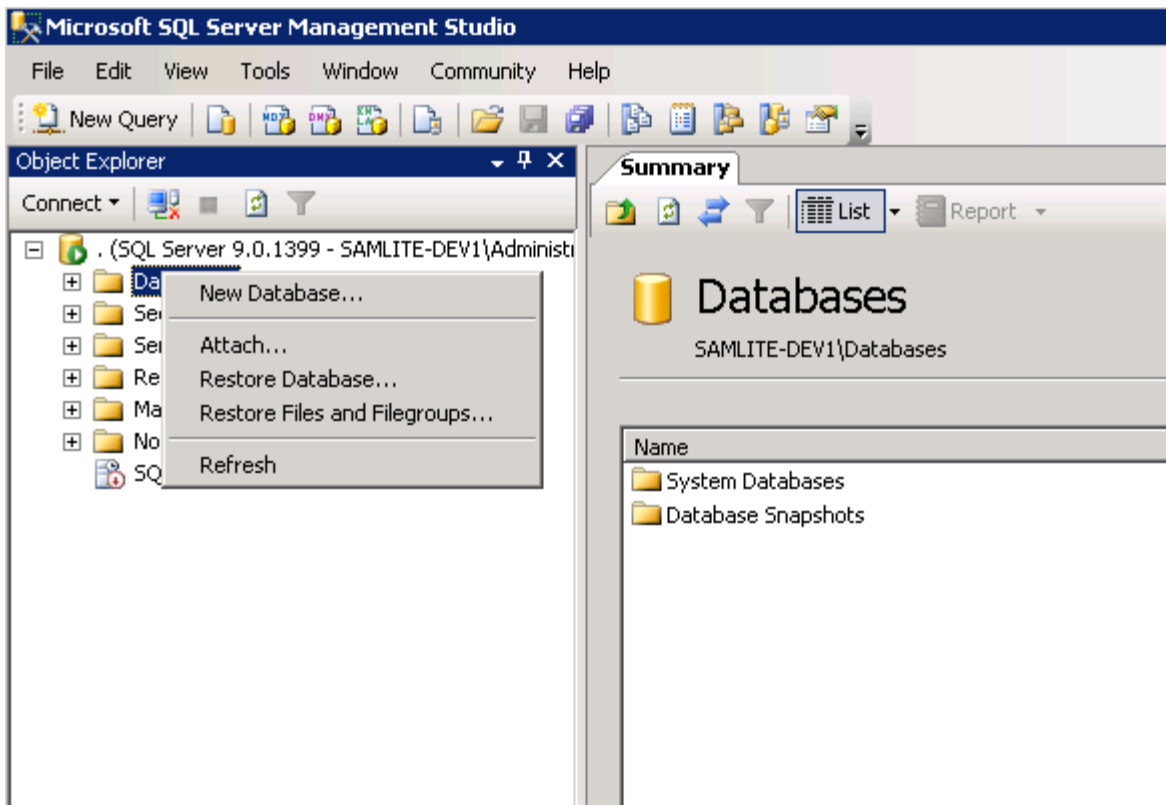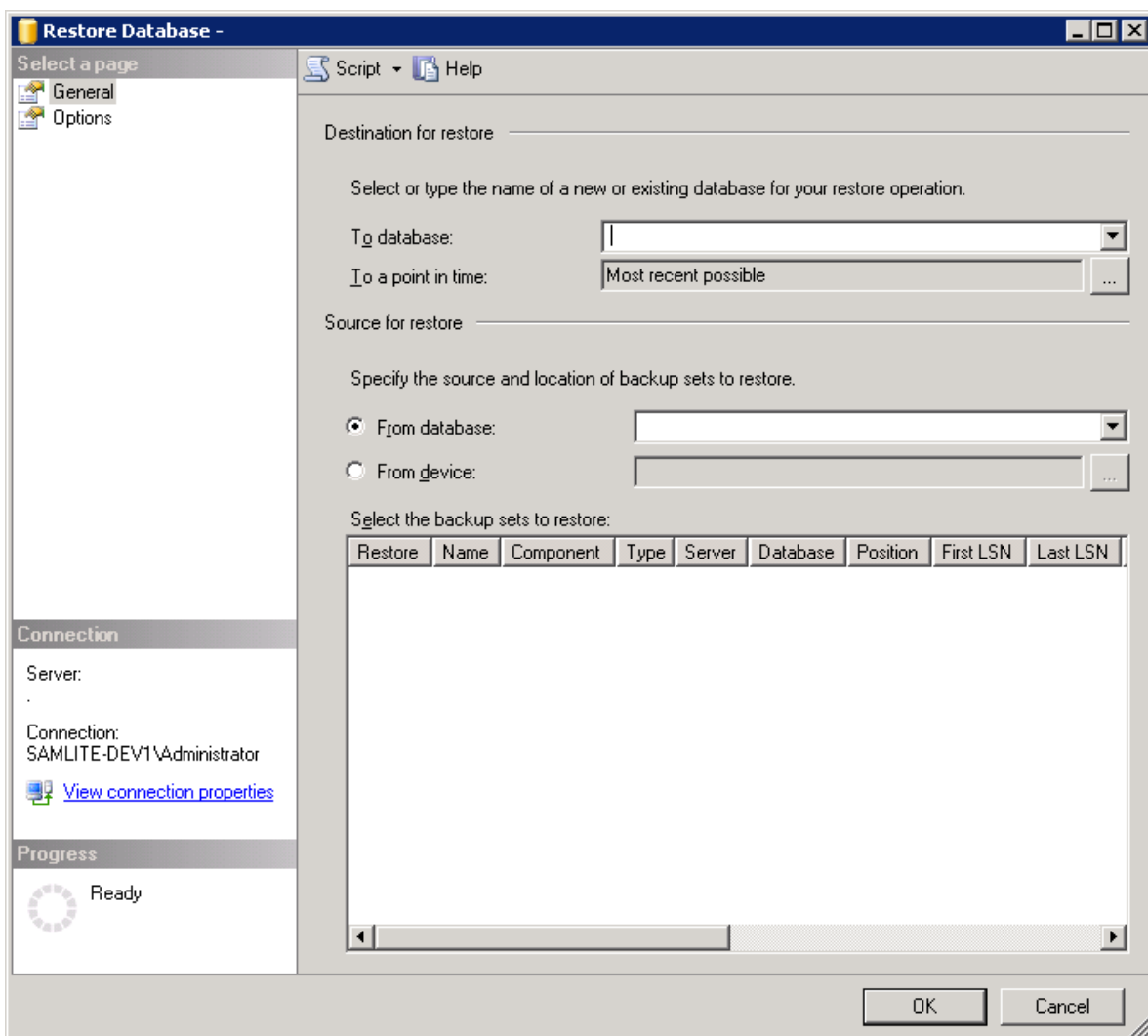
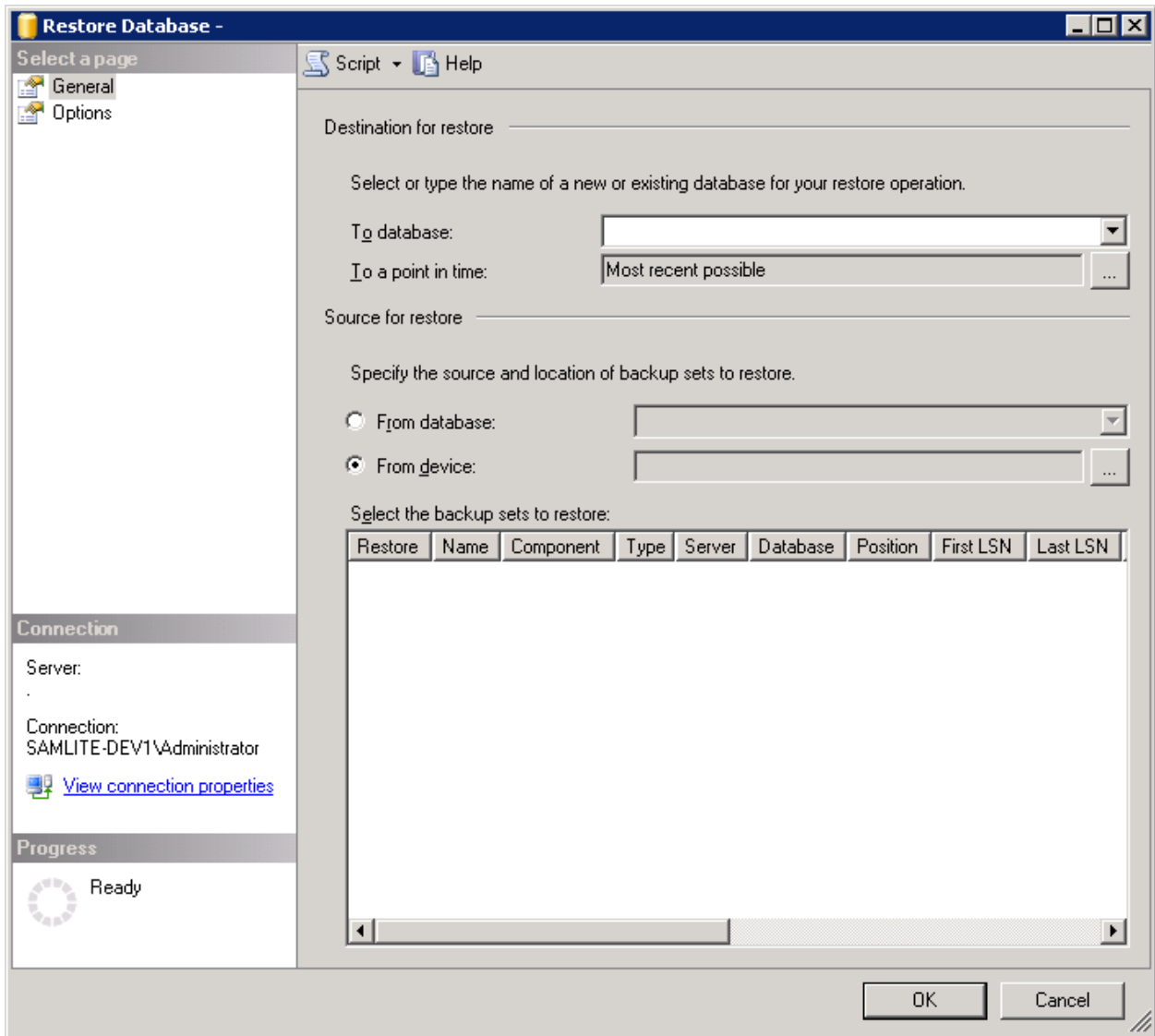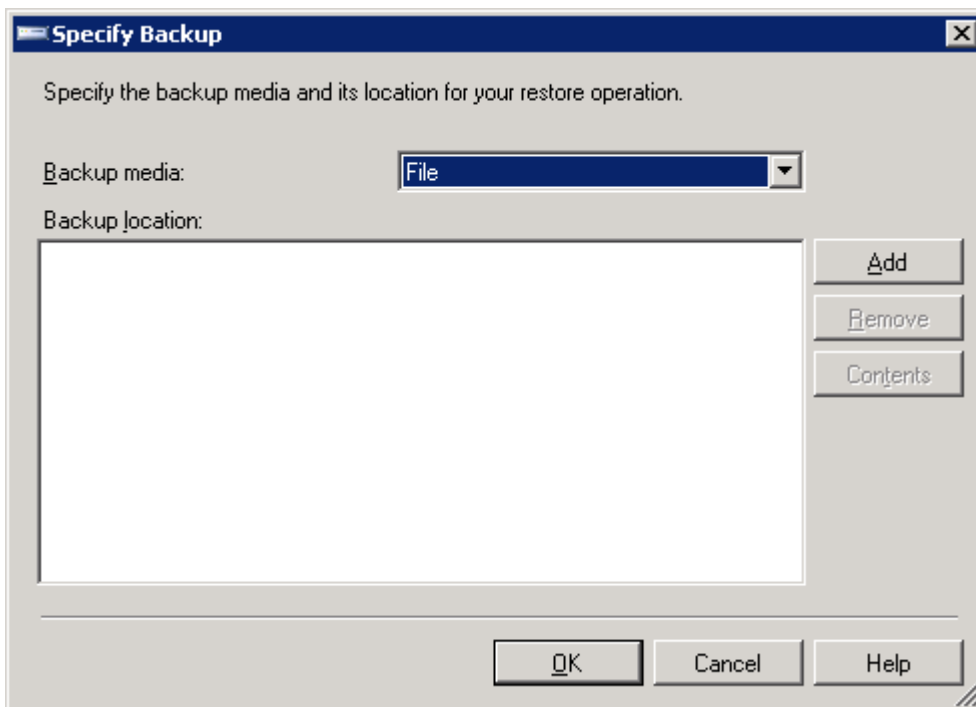Start SQL Management Studio

Wait

Type . for Server Name (local) and click Connect.

Right click on Databases and select Restore Database…
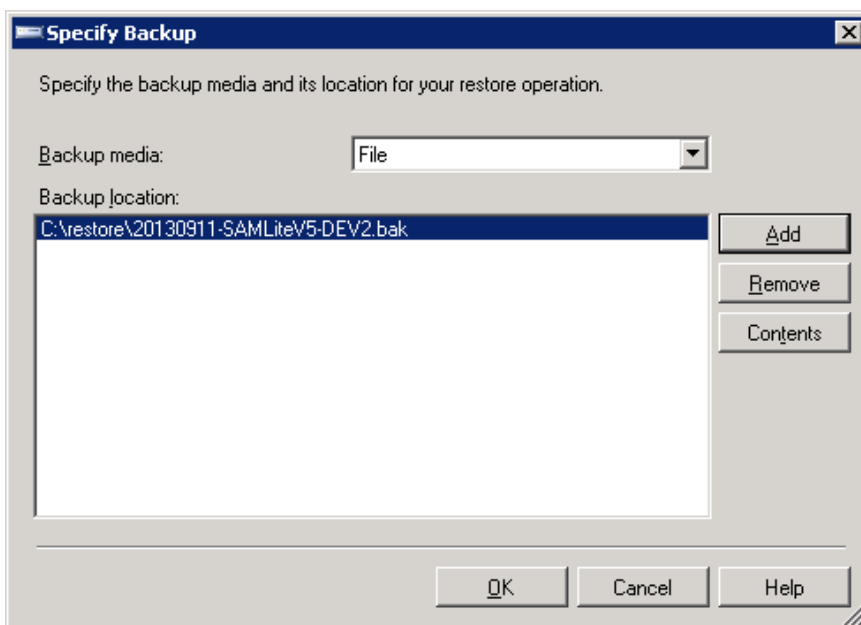

Select From Device assuming the Database backup is a file

Click the "…" button.

Click Add
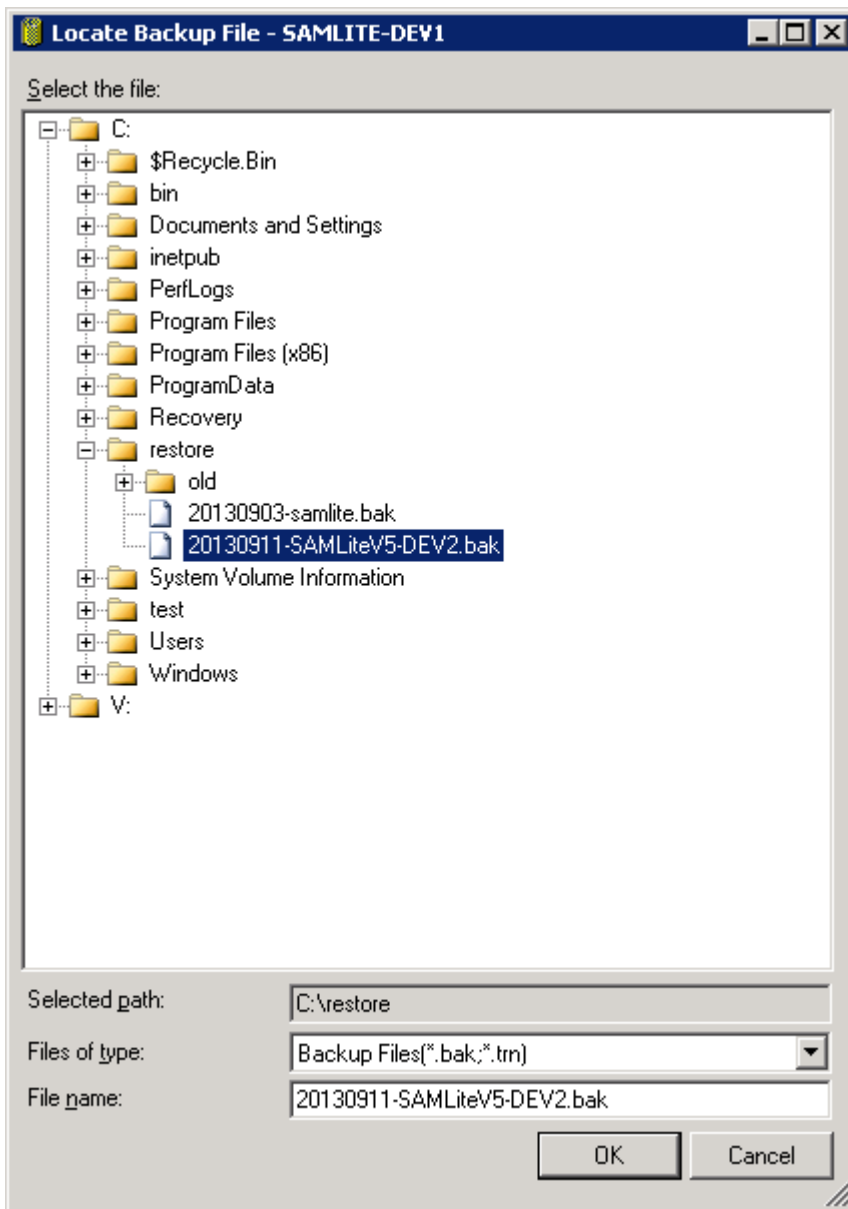
Locate the DB backup file and click OK.

OK
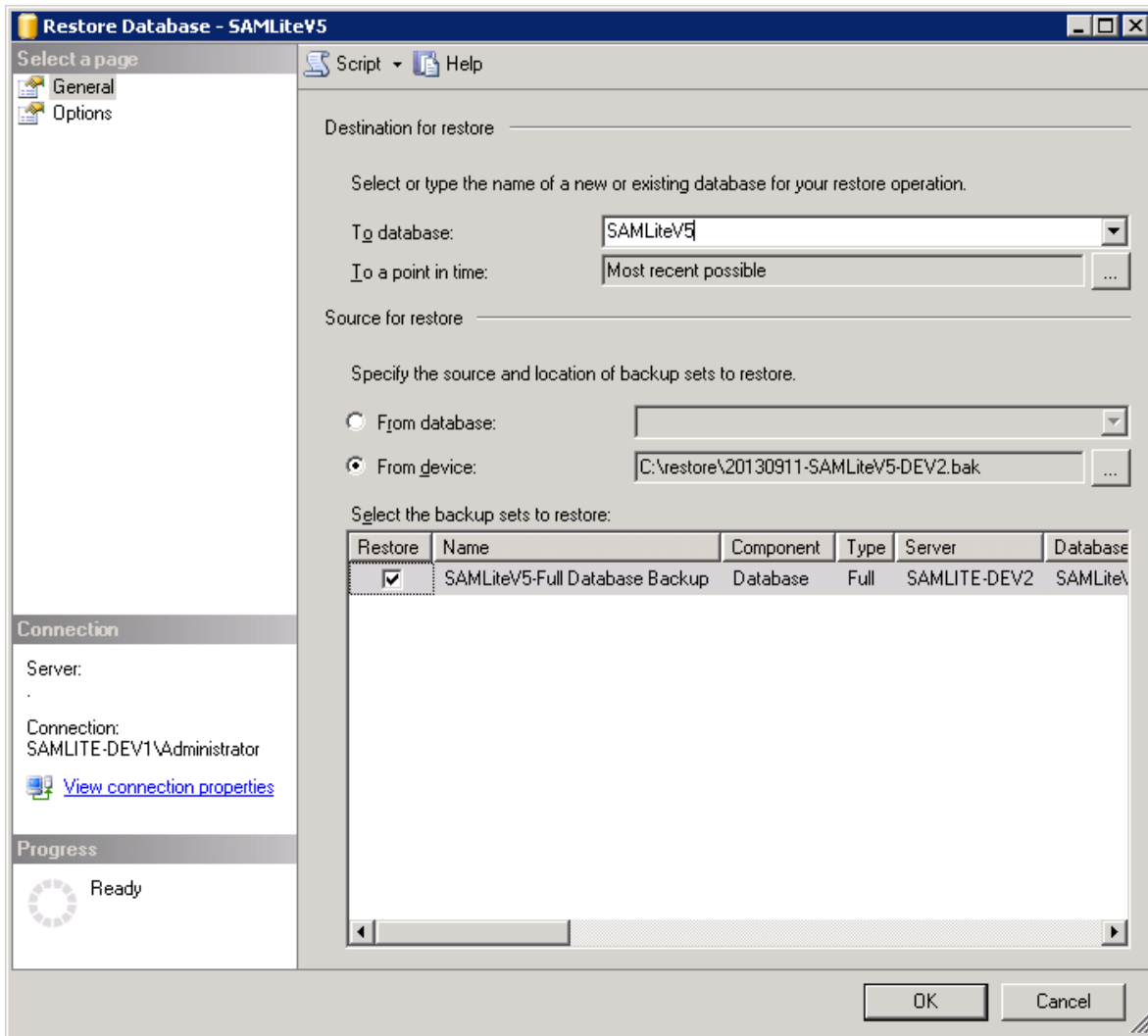
Select the appropriate backup set to restore. Enter SAMLiteV5 in the "To Database:" field.

Do NOT click OK. Select Options.
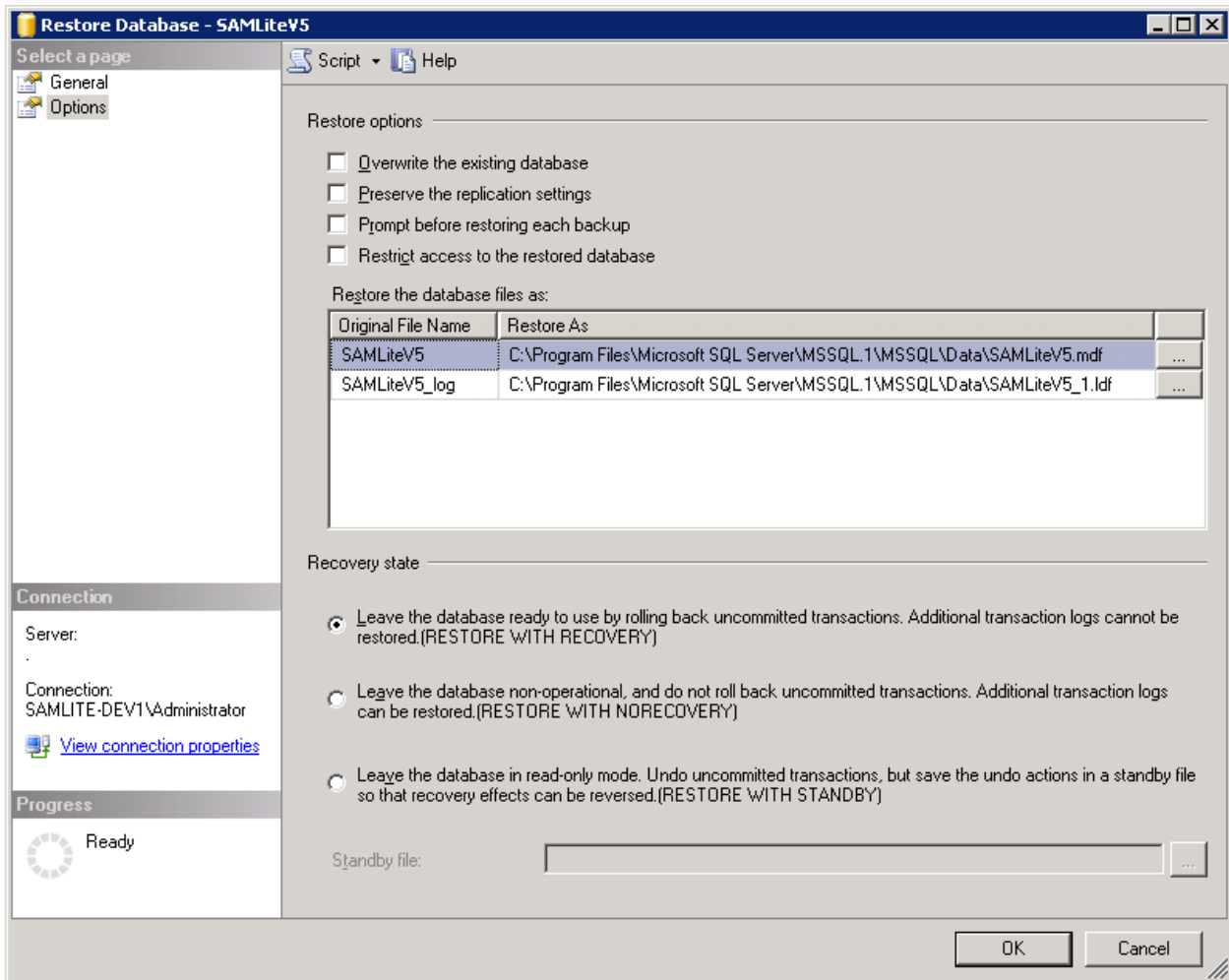
Ensure the "Restore As" locations are as desired (located in the right drives). Then click OK.
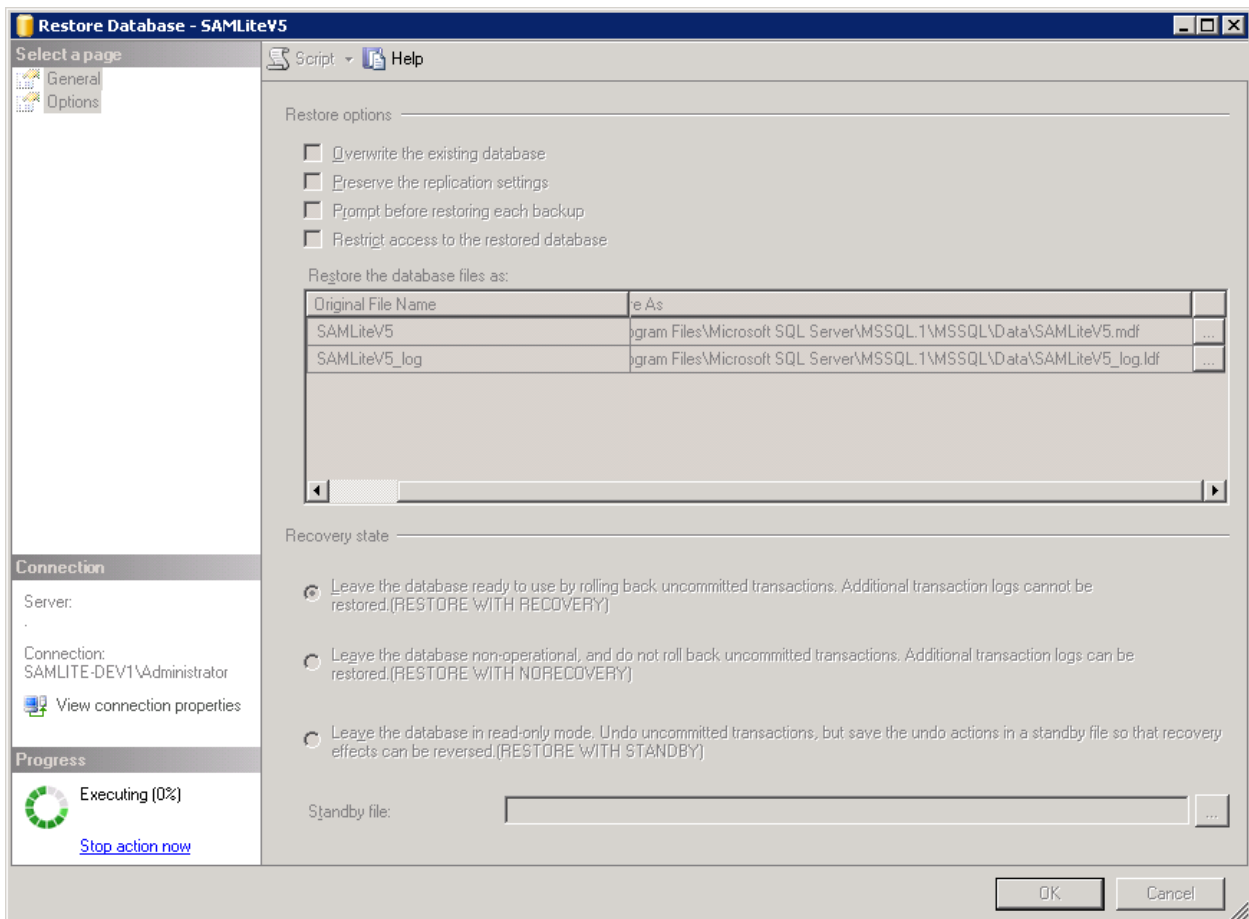
Wait (this may take a while depending on the backup size)
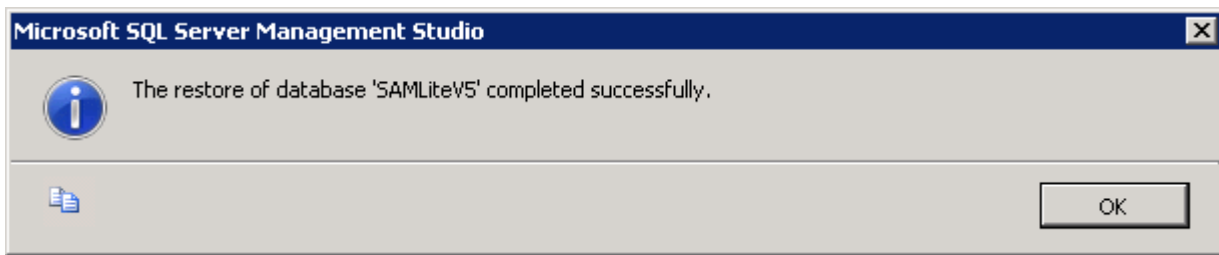
Click OK.

Restoring access to restored Database
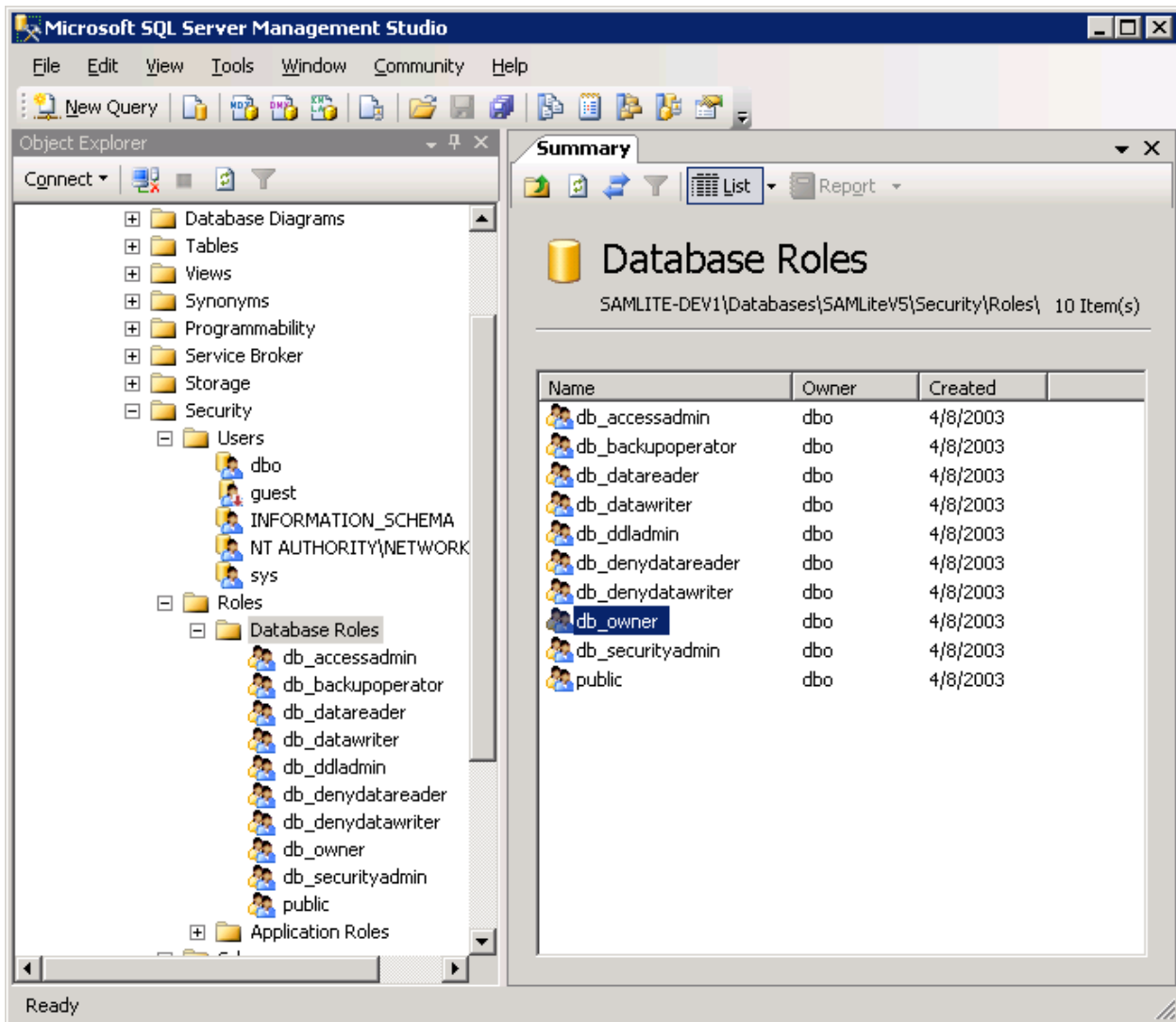
Go to the SAMLiteV5 Database's Security/Roles Section, click on db_owner
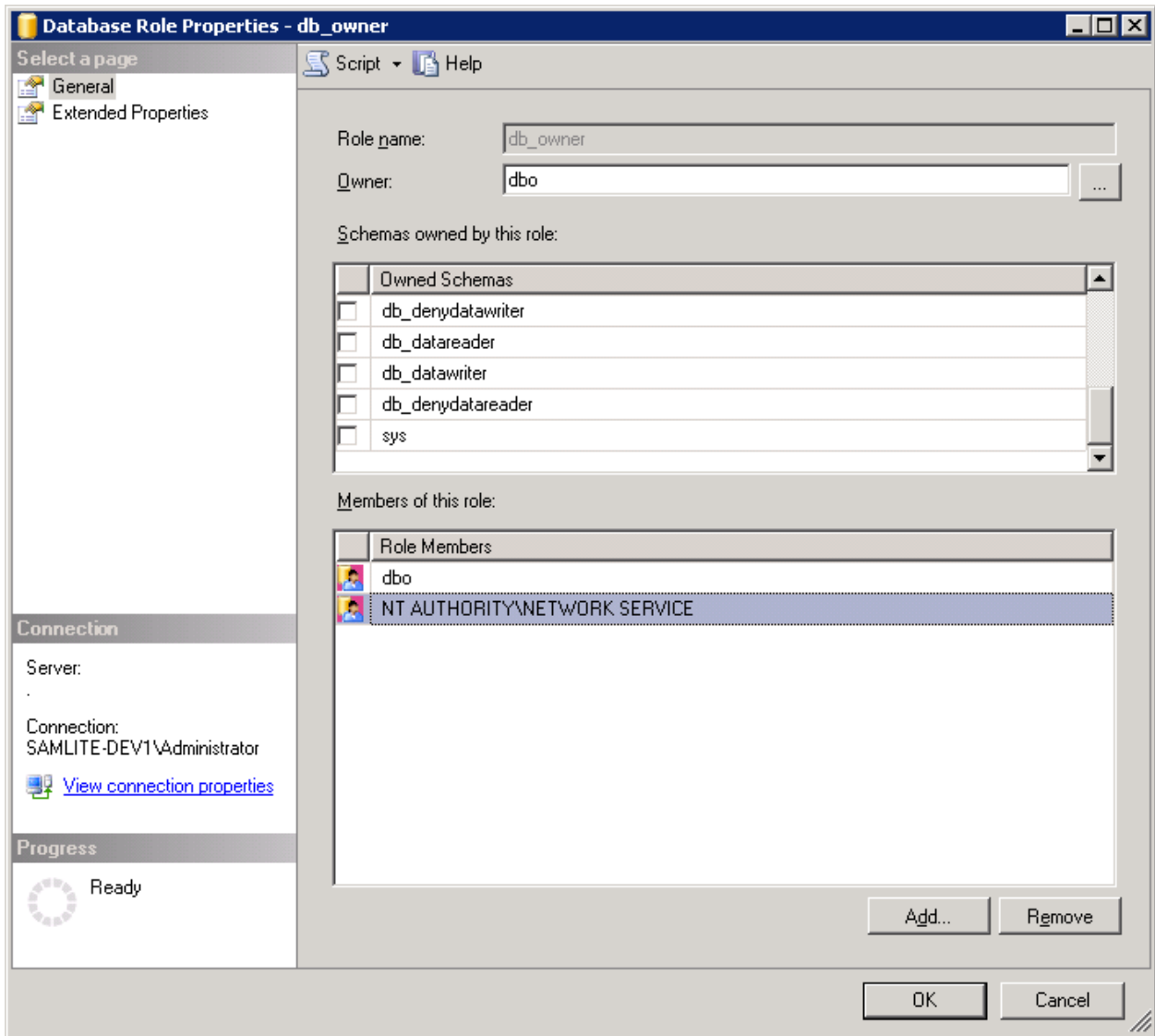
Ensure *NT AUTHORITY\NETWORK SERVICE* has db_owner role for the SAMLiteV5 database. Add if necessary. Click OK.

Ensure that *NT AUTHORITY\NETWORK SERVICE* is able to login, create the account in Logins if it is not present. If it is already present, double click on it to ensure the mapping is correct.
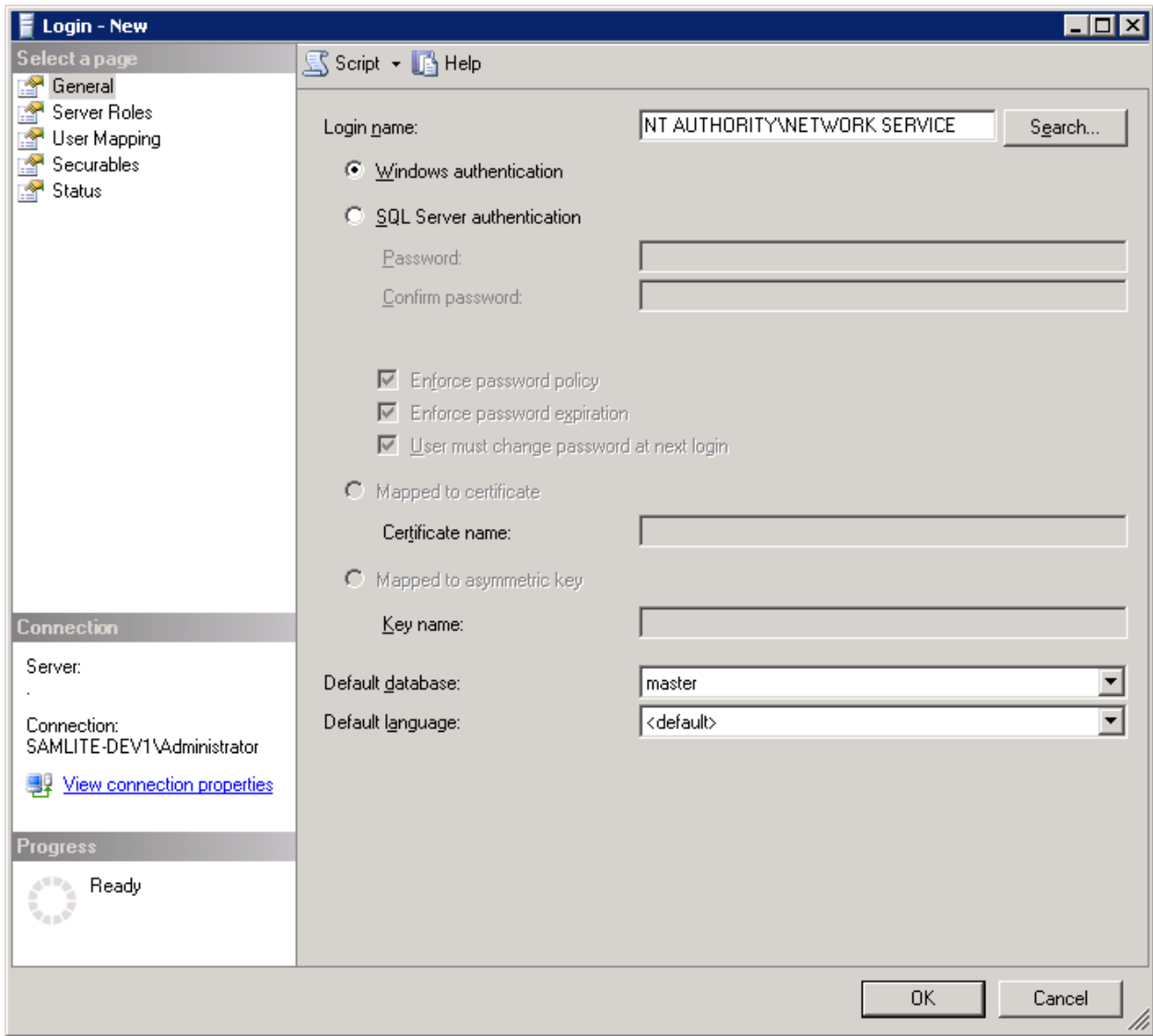
Select User Mapping
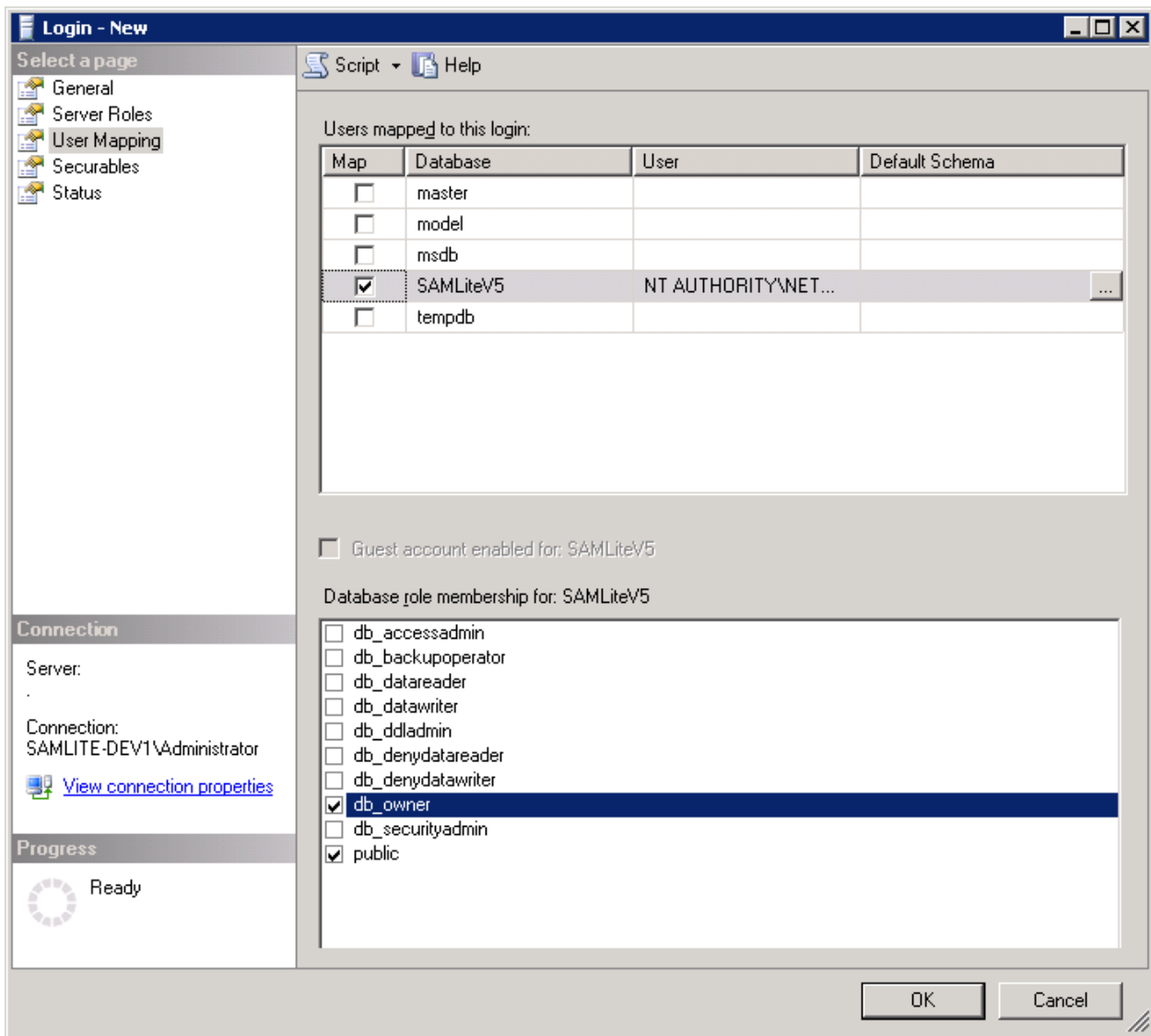
Ensure *NETWORK SERVICE* has the db_owner role on the SAMLiteV5 database. Click OK.
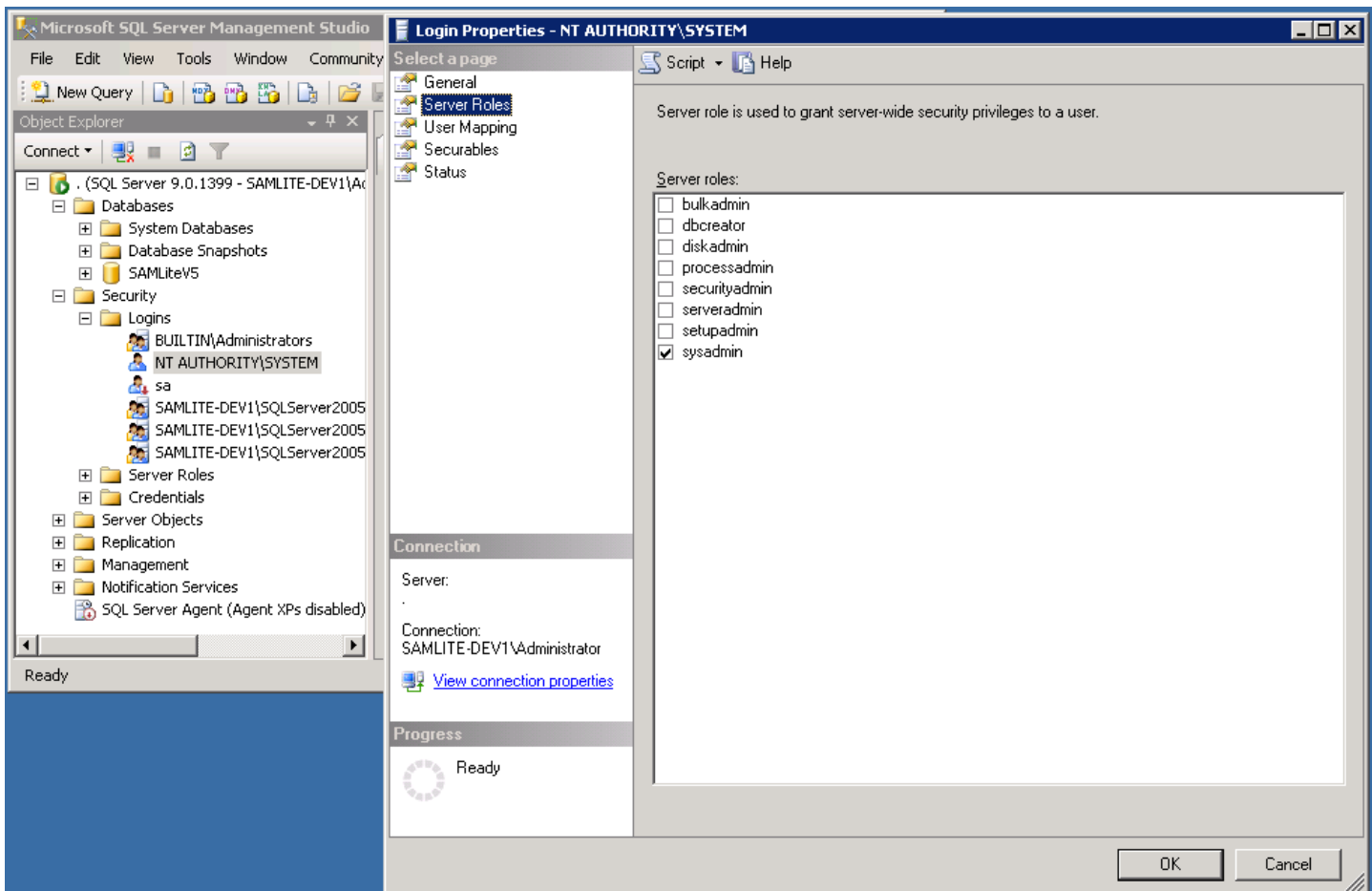
Similarly ensure *NT AUTHORITY\SYSTEM* has db_owner role (or greater e.g. sysadmin) for the SAMLiteV5 database (or more)

The SAMLiteV5 database is now restored.

Install SAMLite

Run the SAMLiteSetup.exe installation file

Next
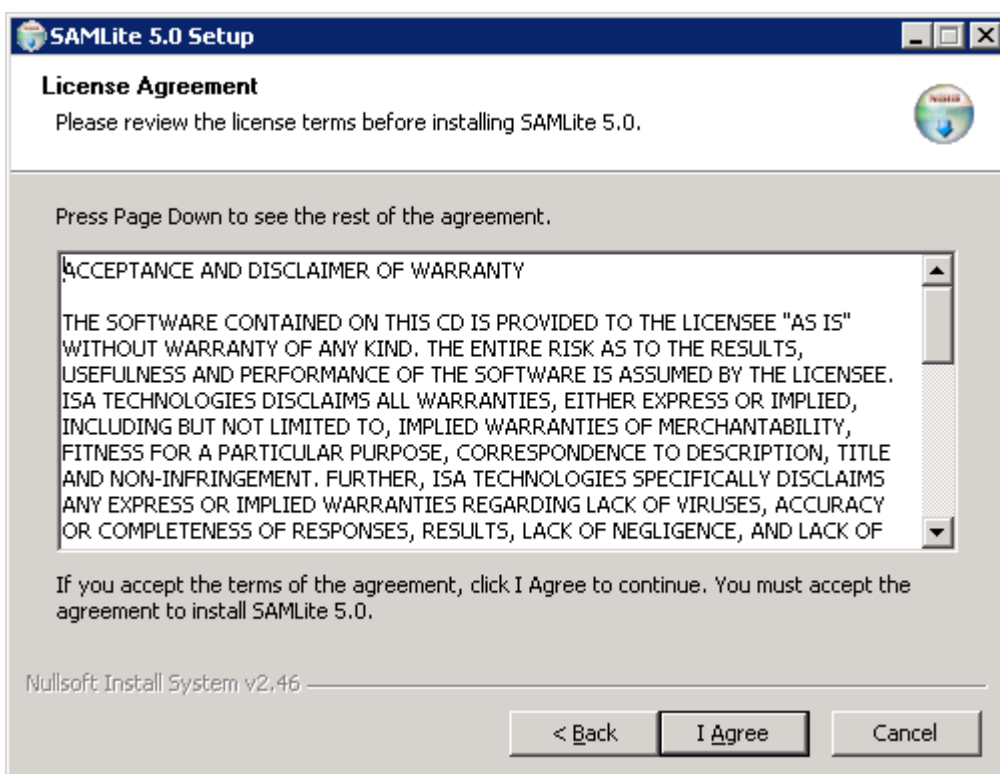
If terms are acceptable select Agree, otherwise cancel the restore.
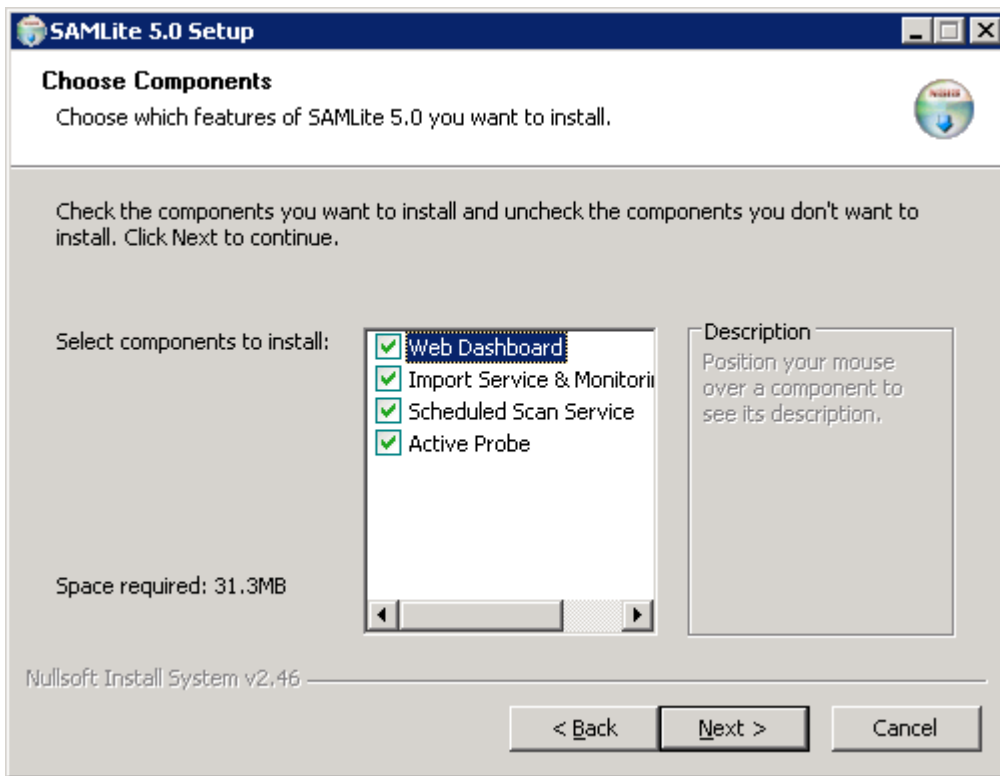
Next
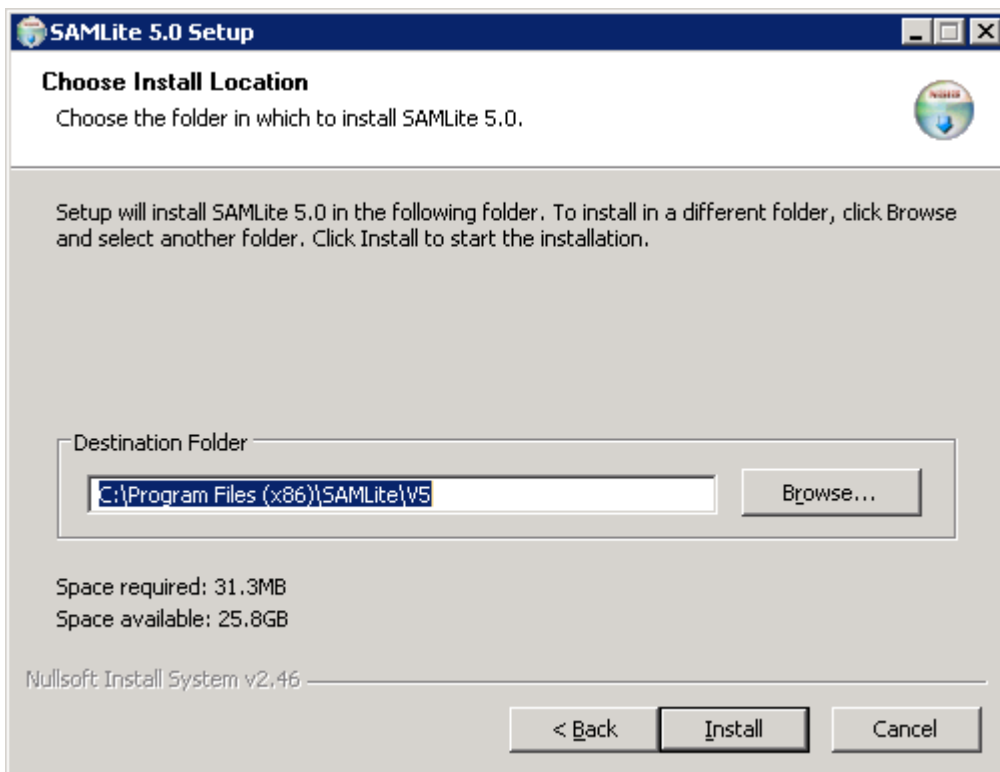
Specify the desired destination (you may wish to select a partition/drive with more space)
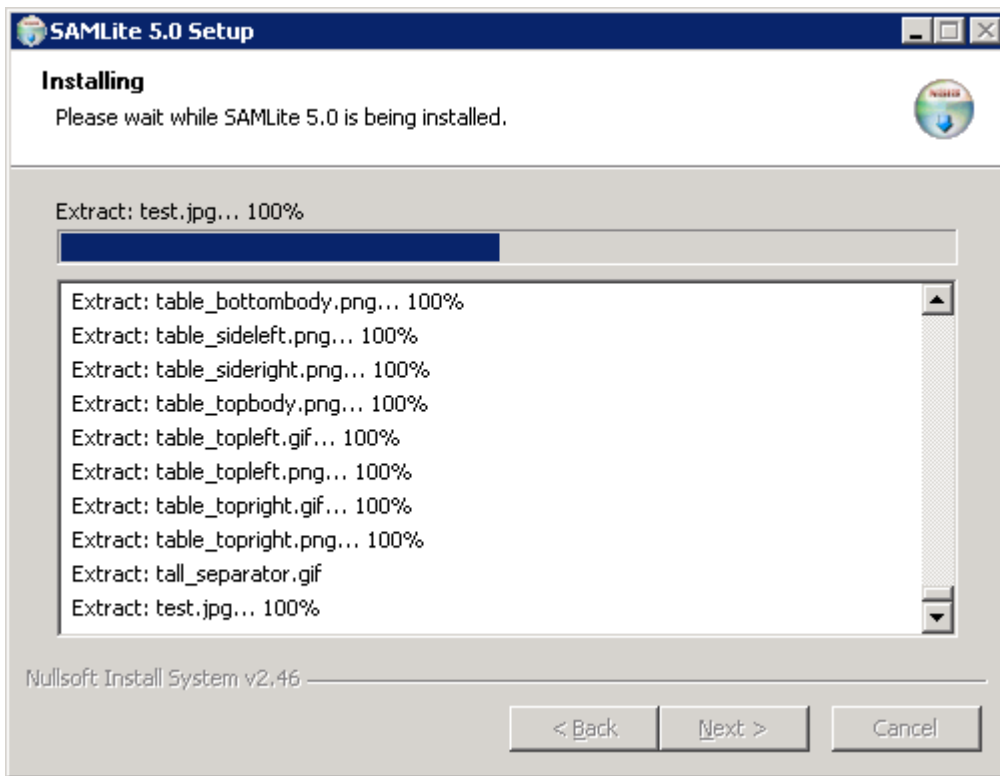
Wait
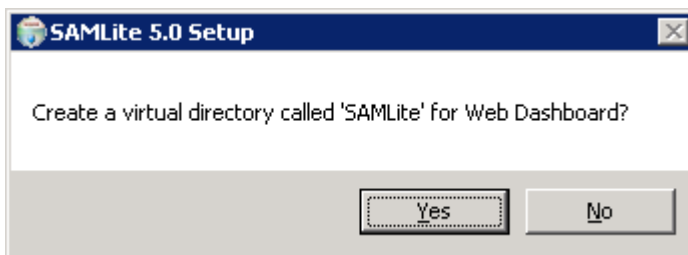
Click Yes.
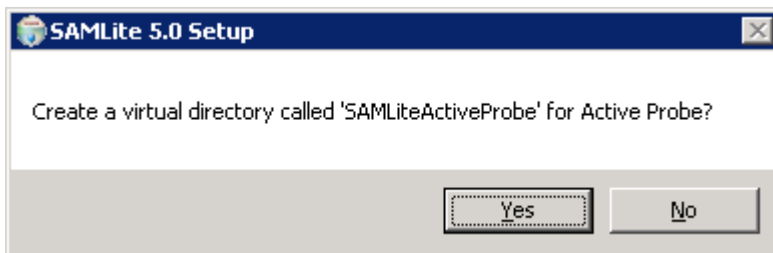
Click Yes
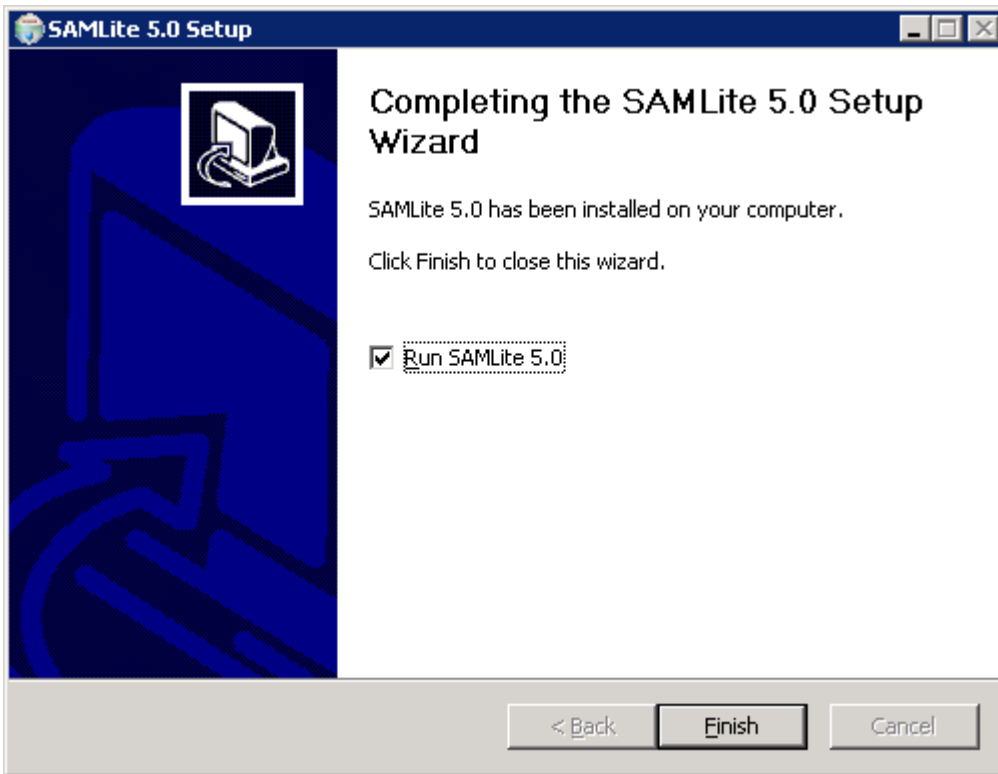
Make sure Run SAMLite 5.0 is selected and click "Finish" to start the database configuration wizard

SAMLite Database Configuration Wizard

Next
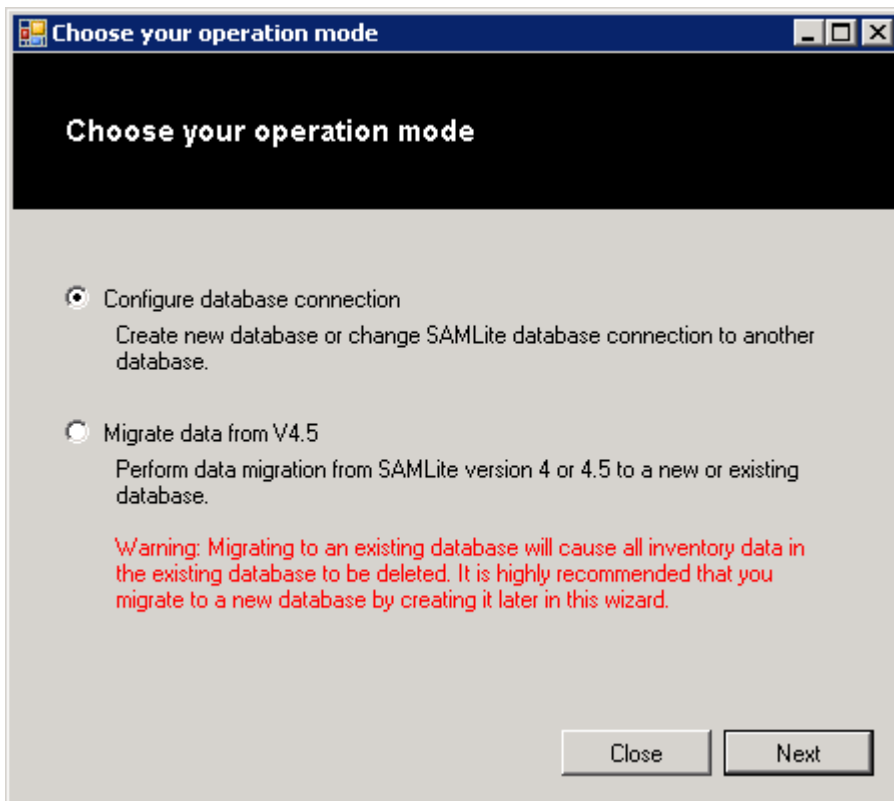
Next

If you are using the default instance select Local Server, otherwise specify the SQL server location and instance and click Next.
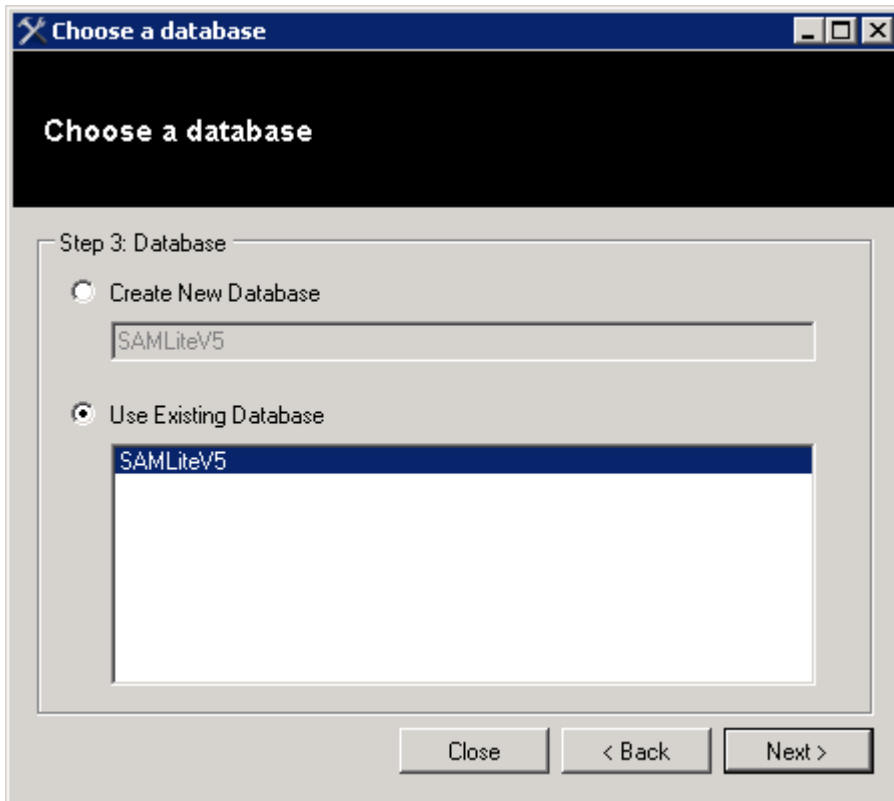
Select "**Use Existing Database"** and highlight the restored SAMLiteV5 database and click Next. Do **NOT** select "Create New Database".
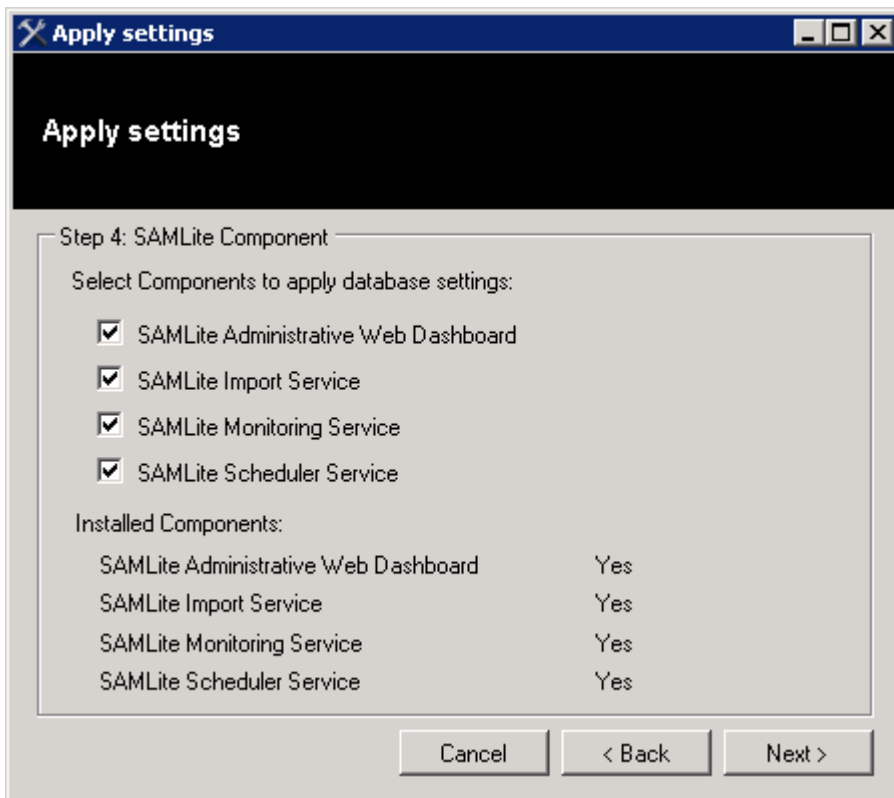
Click Next

Yes

Close

Click Yes

Install any provided patches in order.

Run services.msc and stop the SAMLite Import Service, Monitoring Service and Scheduling Service.

Verifying SAMLite Installation

Start Internet explorer and go to http://localhost/samlite.

Successful installation
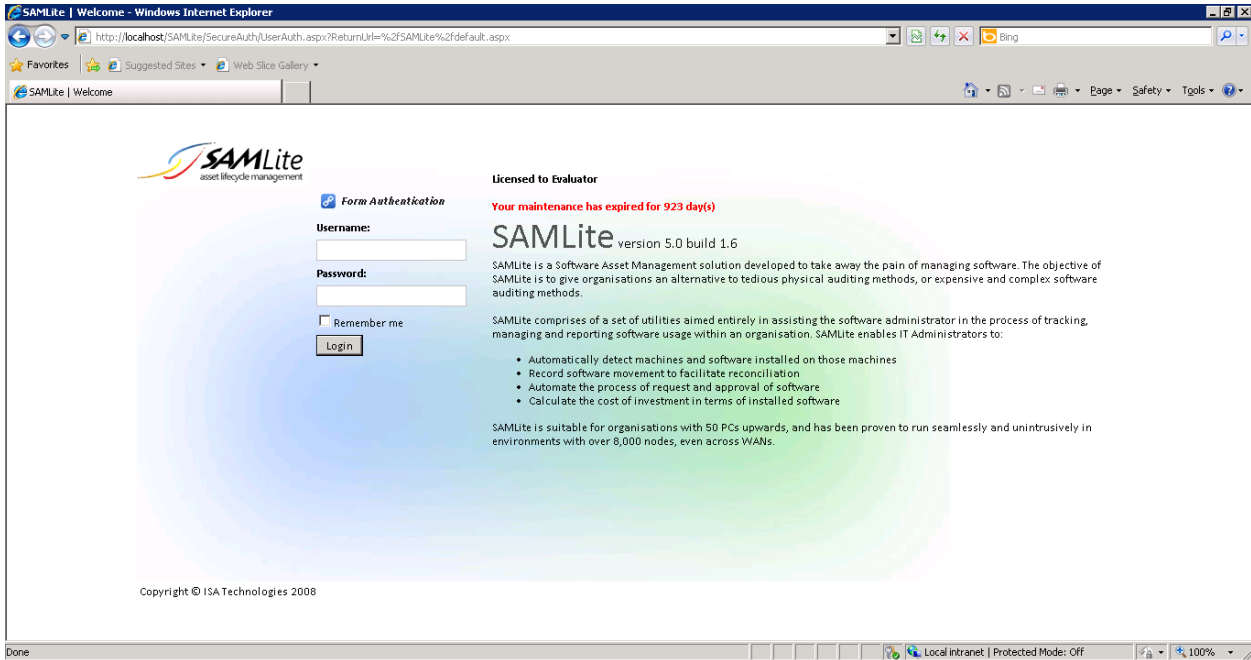
If you see the login page proceed to the "Final SAMLite Configuration" section

Unsuccessful installation- 404
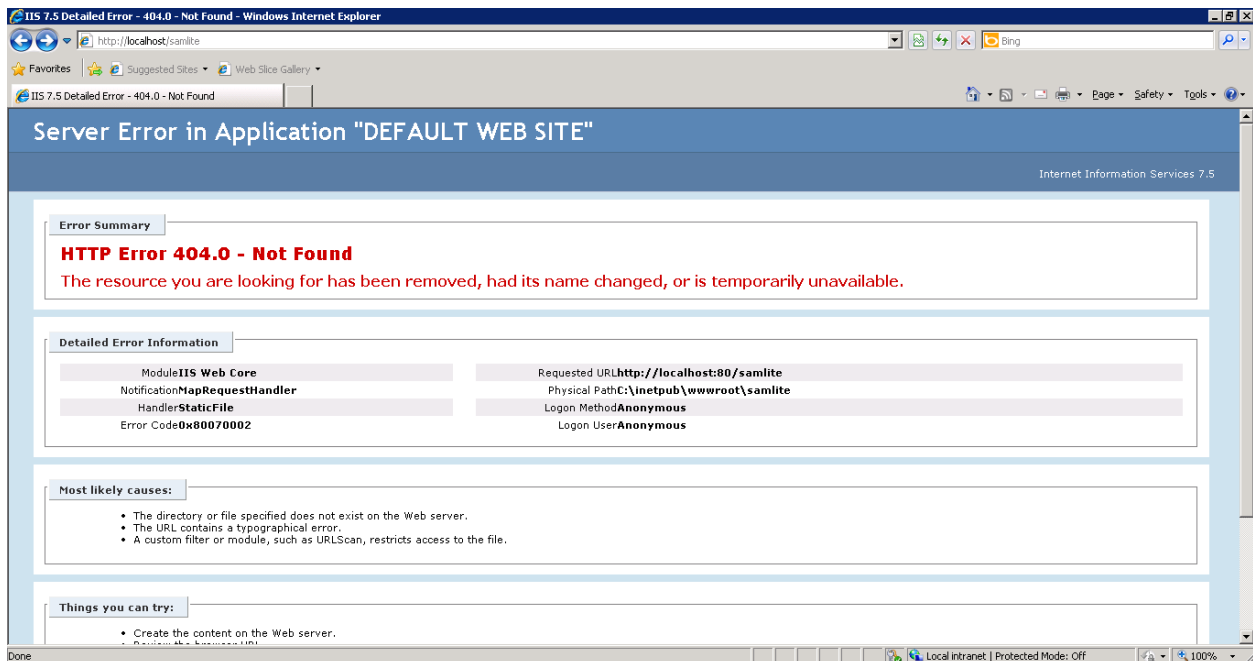
If you see the above page it could mean the SAMLite Application was not successfully added to IIS by the installer and needs to be manually added. Go to "the Adding the SAMLite application to IIS manually" section.

Unsuccessful installation- 500
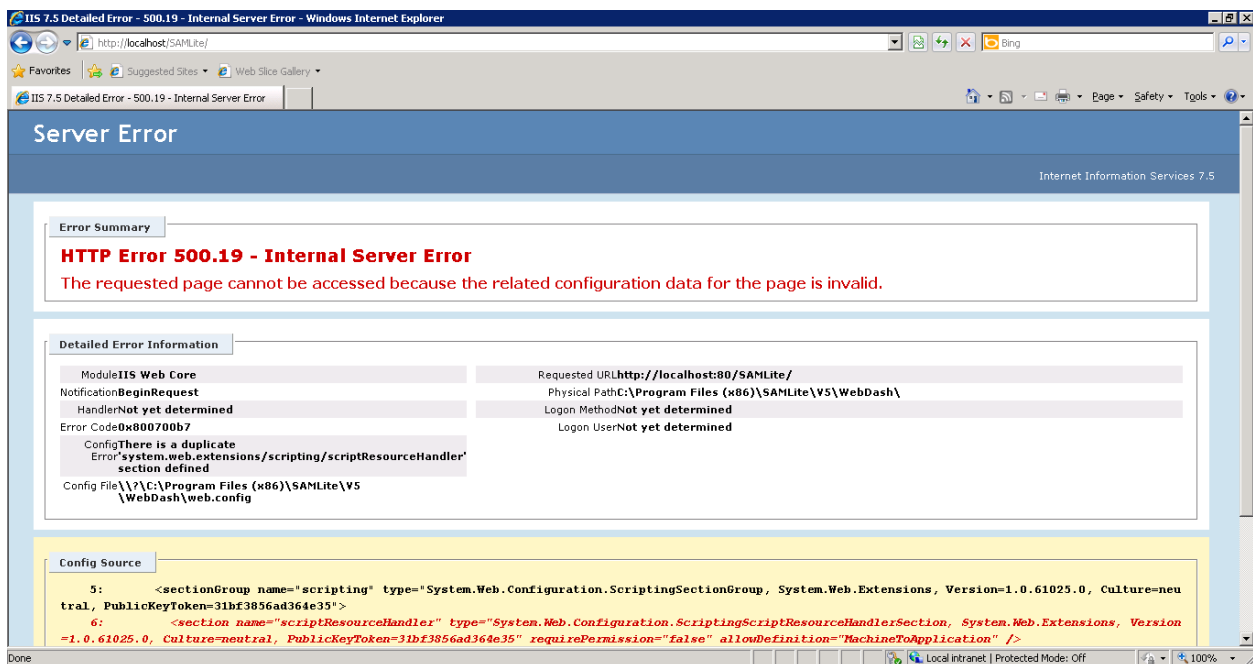
If you see something like the above, the ASP.Net or IIS configuration could be incorrect or corrupted. Ensure that the SAMLite application pool is running .Net Framework 2.0.

See also: http://support.microsoft.com/kb/306005

E.g. you may have to run: *"%windir%\Microsoft.NET\Framework\v2.0.50727\aspnet_regiis.exe" -i -enable*

Adding the SAMLite application to IIS manually

Run IIS Manager
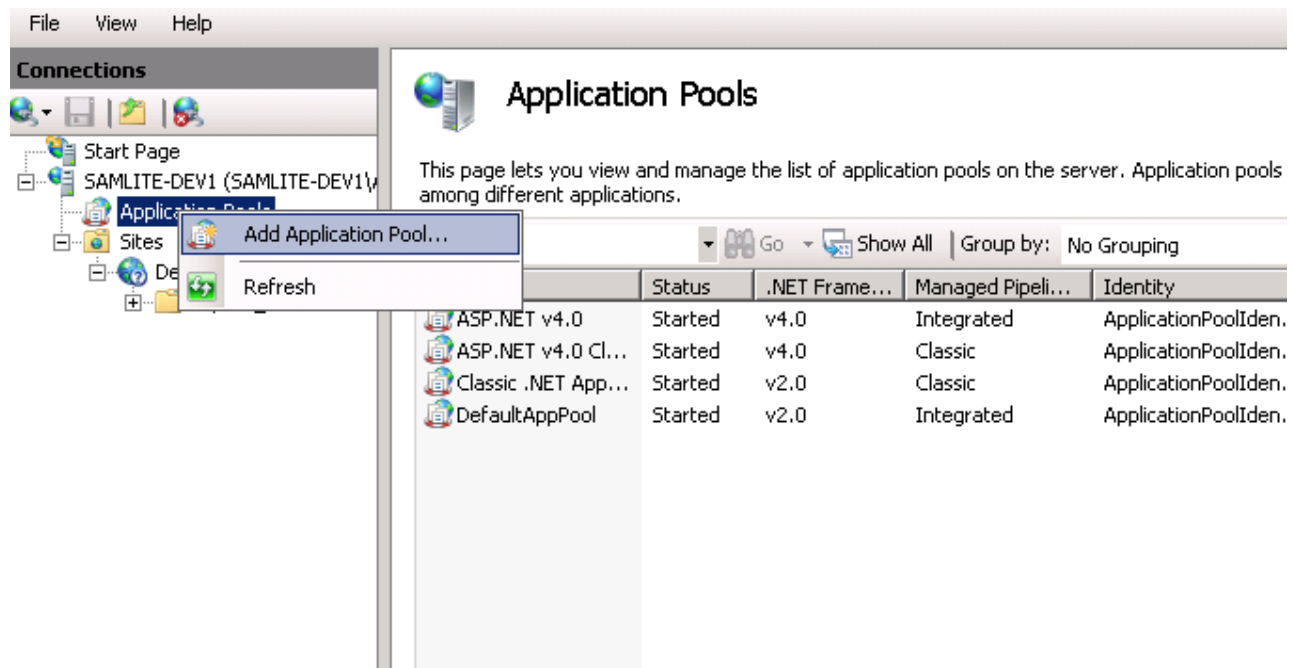
Add an Application Pool called SAMLite

Click OK

Configure the SAMLite application pool to run as *NETWORK SERVICE*
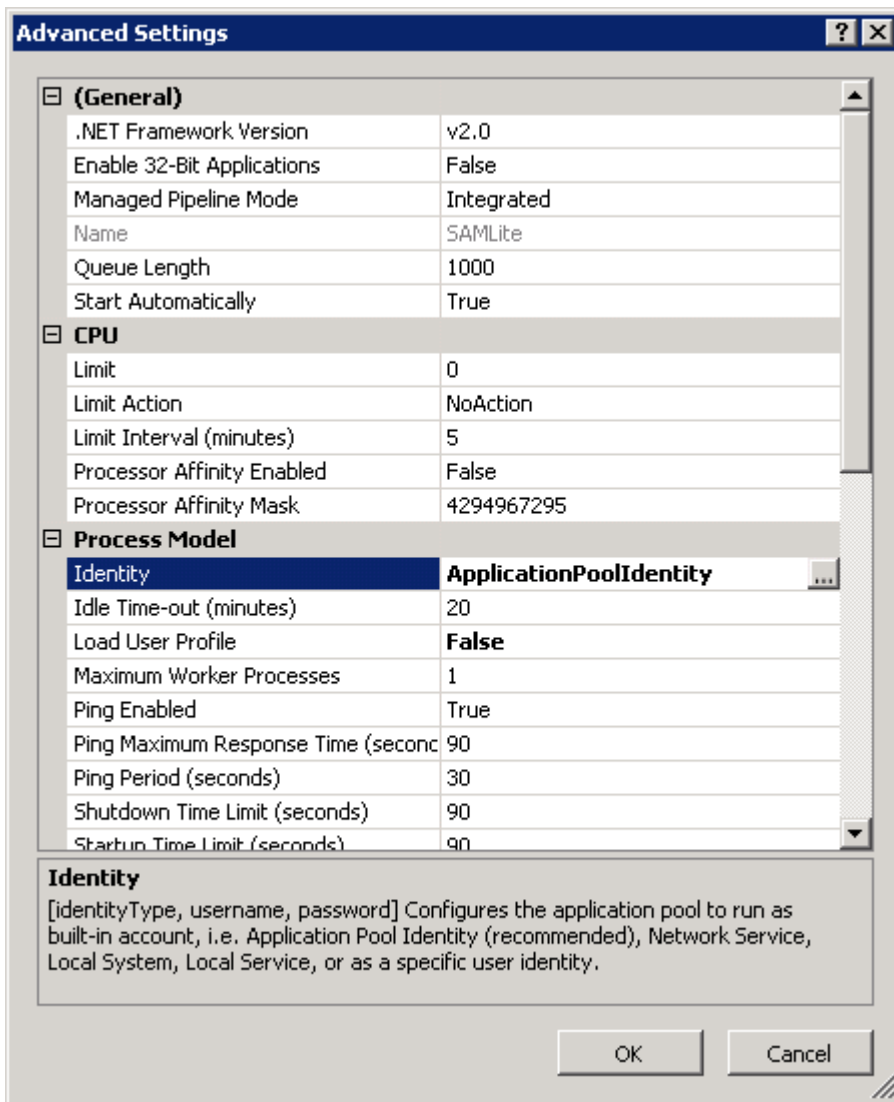
Click the "…" button in Identity
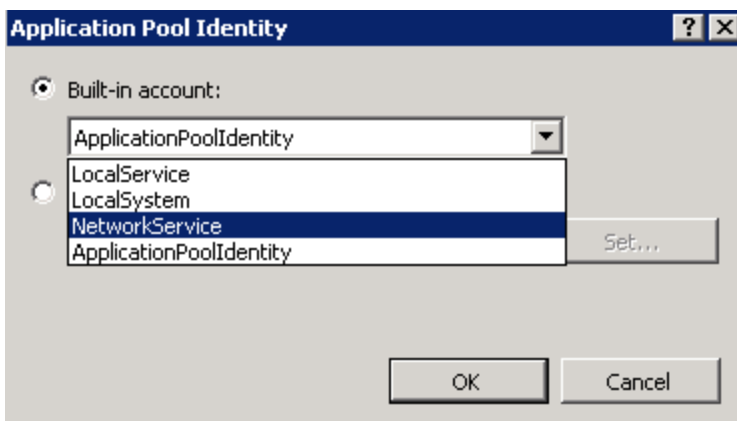
Select NetworkService and click OK
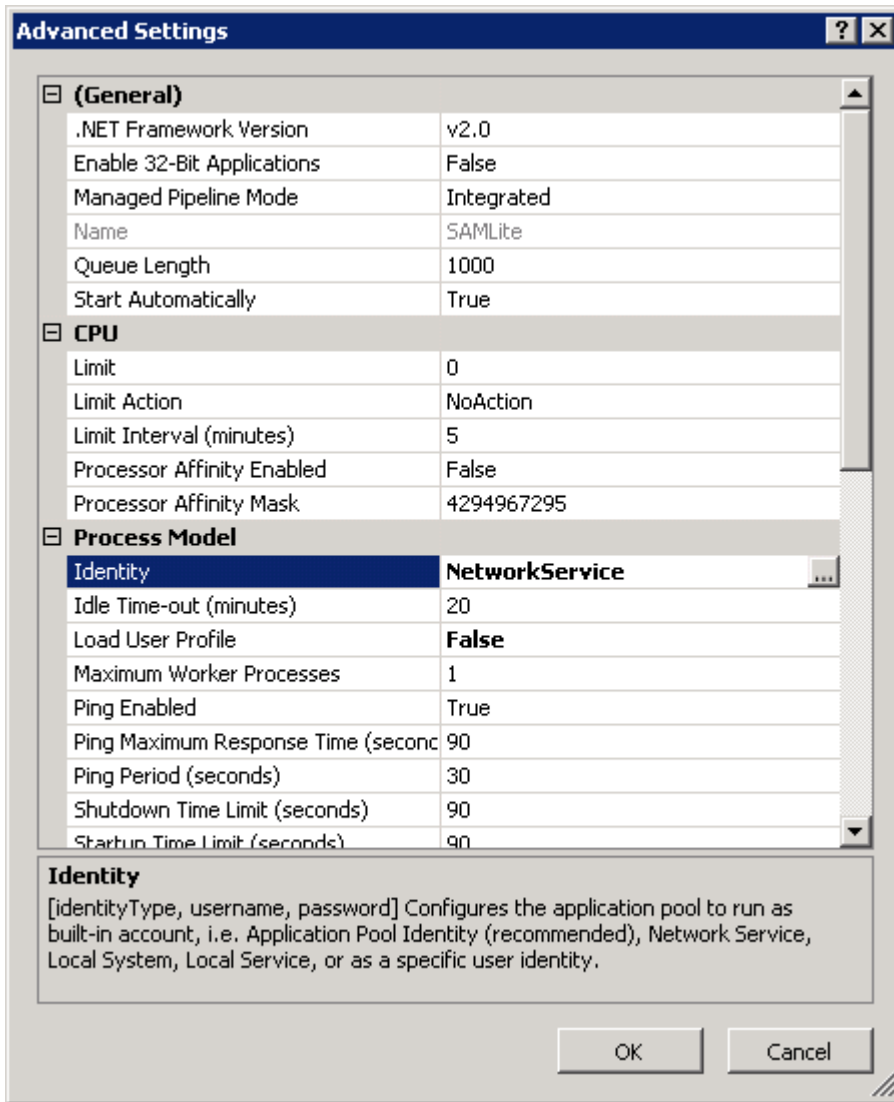
Click OK.
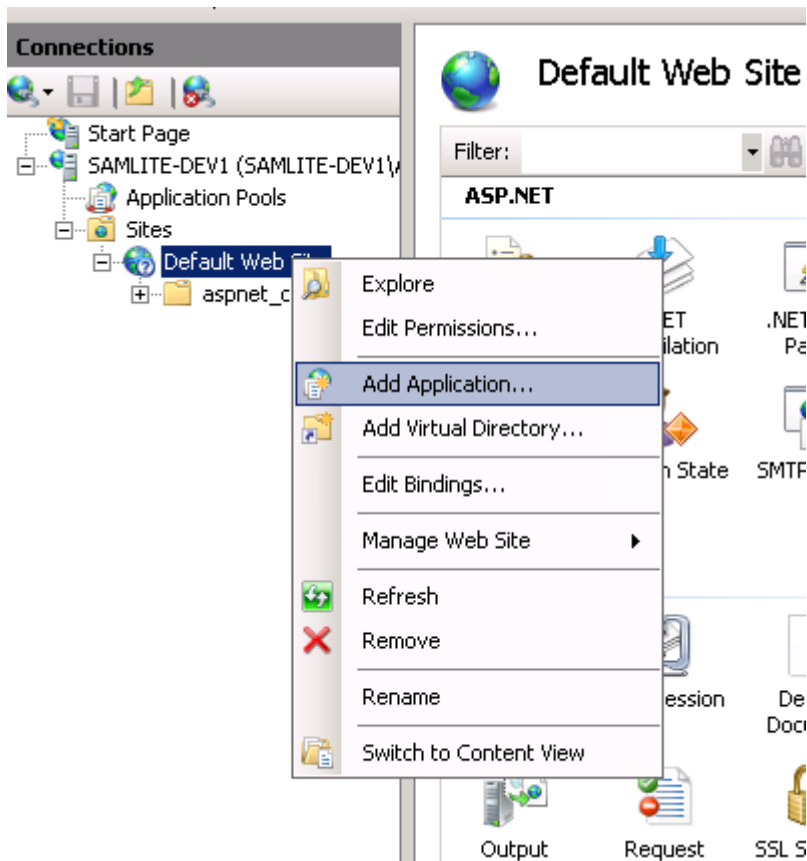
Select Add Application…
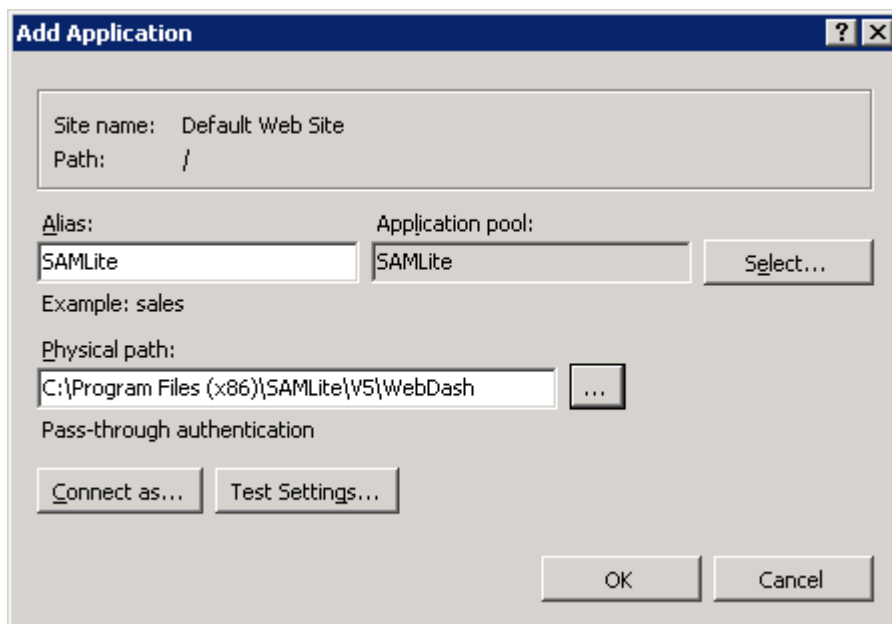
Add the SAMLite application, selecting the SAMLite application pool and the "WebDash" folder where the SAMLite application was installed to. Click OK
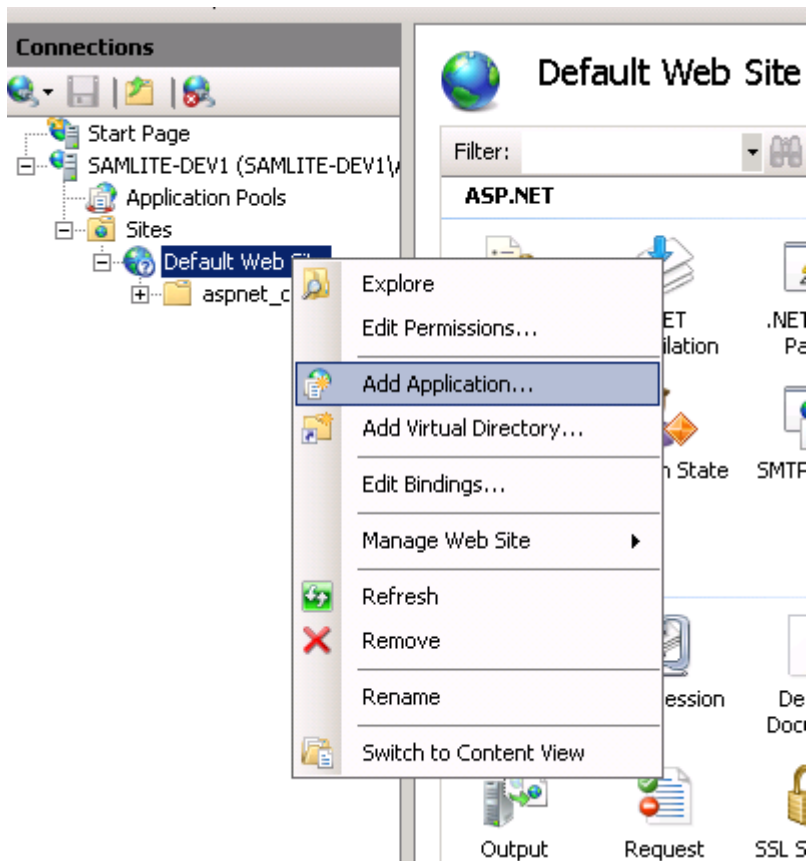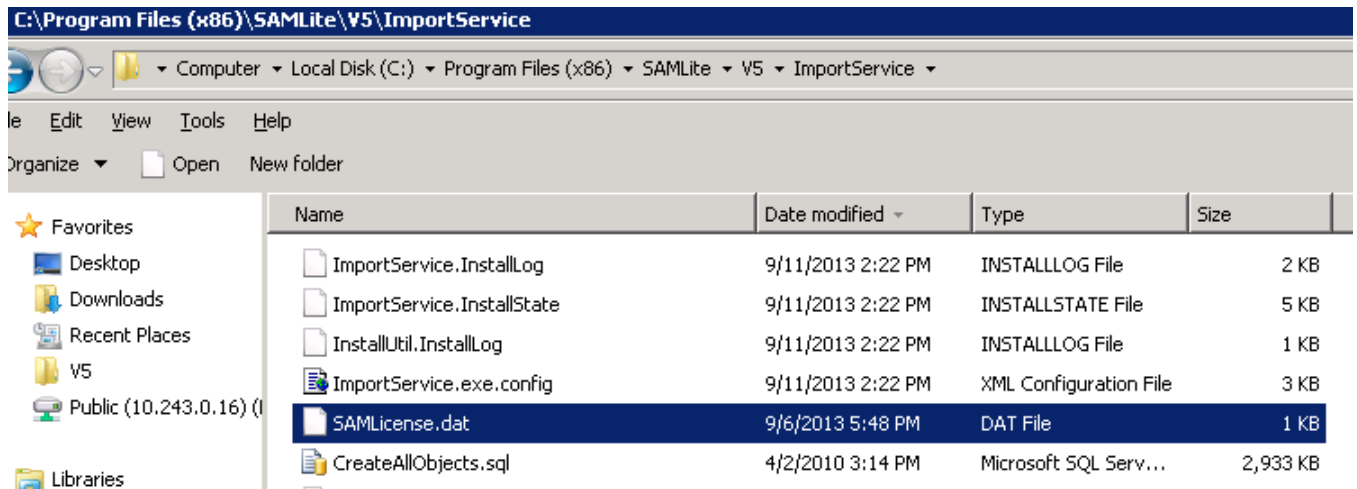
Similarly add the SAMLiteActiveProbe application.
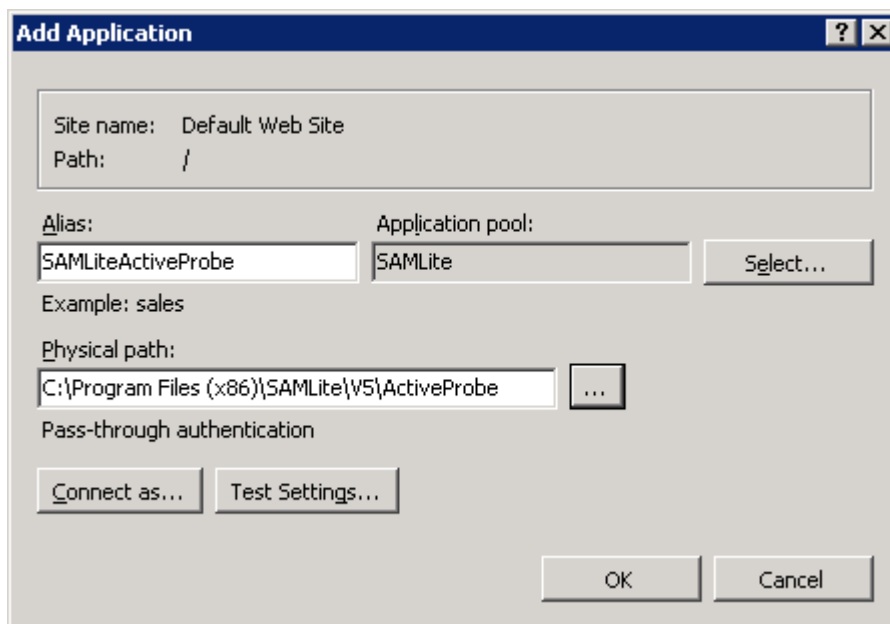
Click OK.

Final SAMLite Configuration

Reinstall the SAMLite Licenses.

Copy your latest/backed up SAMLicense.dat to the ImportService and WebDash folders:

Configure SAMShare

Configuring the SAMShare may be necessary if the hostname has changed or the system is a new host.

For SAMLite v5 build 1.6

Login as a SAMLite administrator
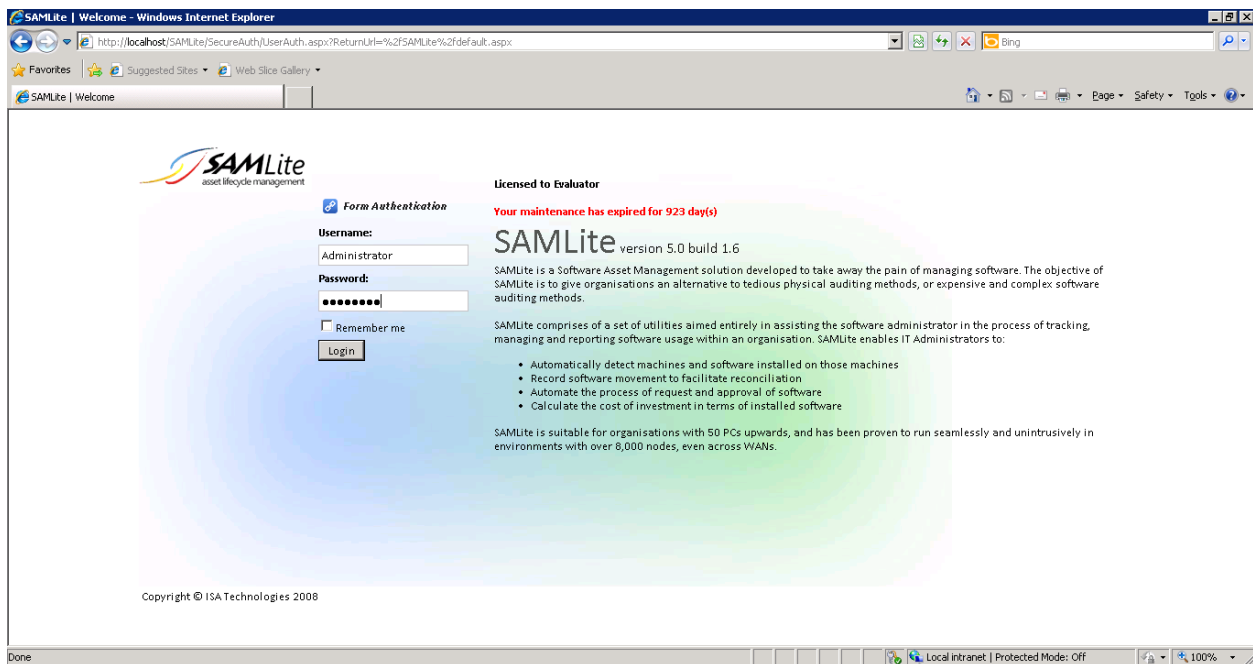
Click Login and wait (logging in for the first time may take a while).
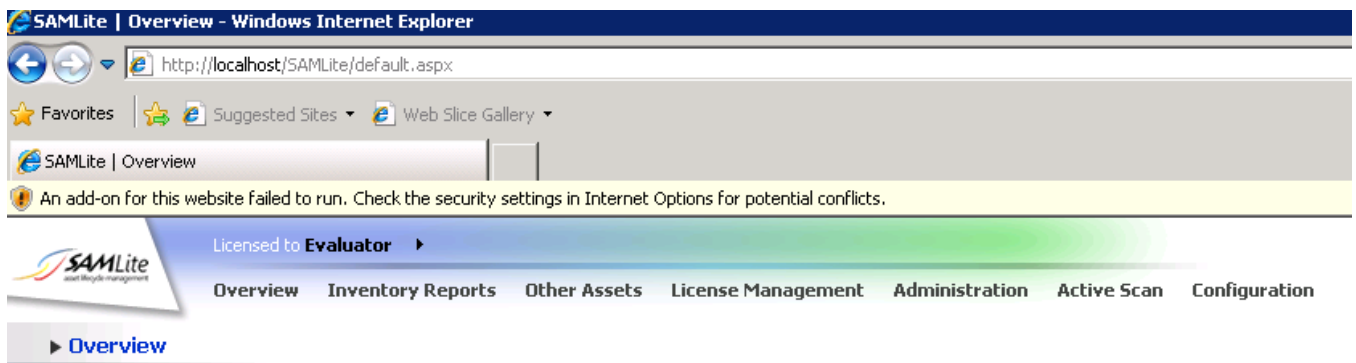
Select "Configuration"
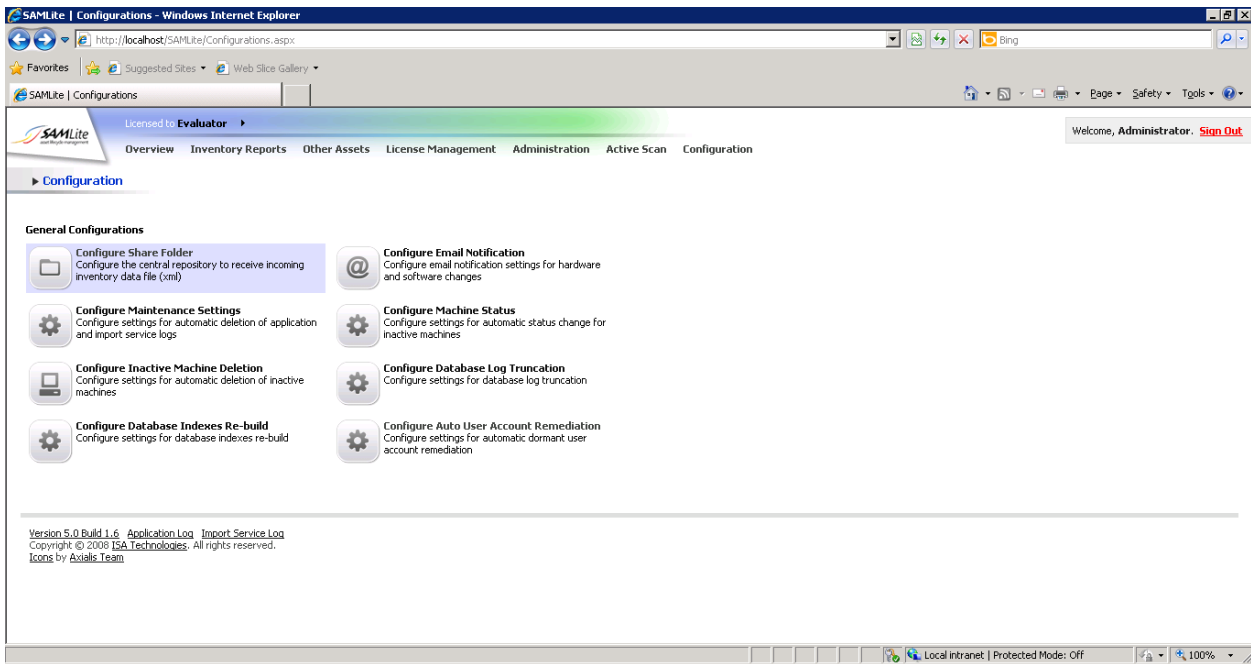
Select Configure Share Folder

Click on Change to change the path if necessary

Click on Save

Login as a SAMLite administrator

Login

Select Administration in the overview page

Select System Settings/Configure share folder in the Administration page.

Click on Change to change the path if necessary

Click Save

Restart SAMLite services

Run services.msc (winkey+R, services.msc)
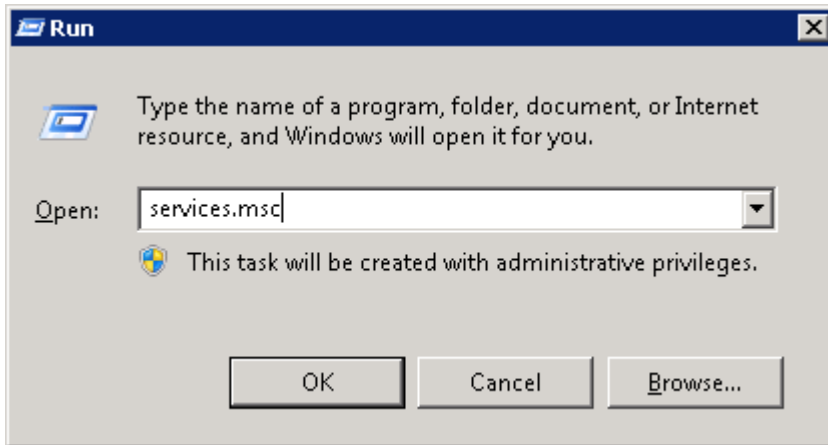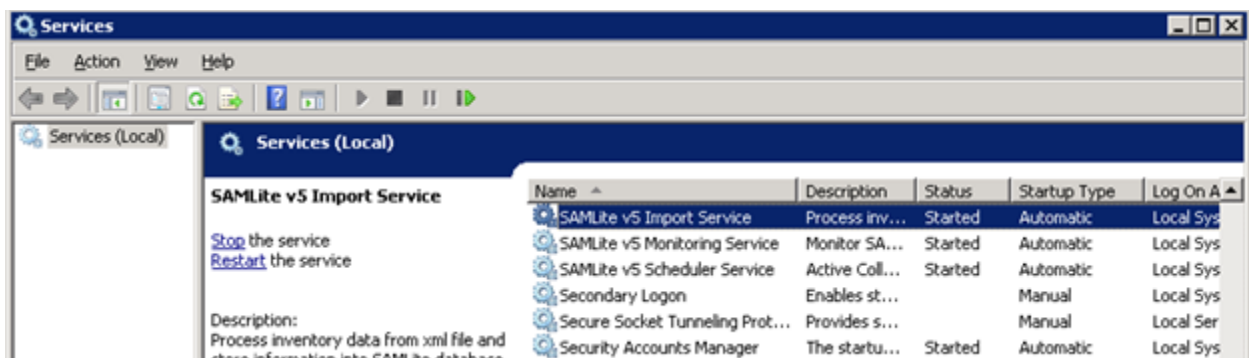

Click OK

Stop all the SAMLite v5 services (order=Monitoring, Scheduler and Import) and wait 1 minute.

Start all the SAMlite v5 services (order=Import, Scheduler, Monitoring).

Done

Restoration of the SAMLite system is complete.