

SQL SERVER 2012 OVERVIEW

SQL Server 2012 Key Components

- **SQL Server Configuration Manager (SSCM)**
 - Select which services listed be that you want to enable
 - We will ALWAYS use this!
- **SQL Server Management Studio (SSMS)**
 - Create and run SQL queries (plus many other things)
 - We will ALWAYS use this!
- SQL Server Integration Services (SSIS)
 - We will use later to do basic importing and exporting of data
 - Extensive use in Data Warehousing
- SQL Server Reporting Services (SSRS)
 - We will use later to do basic reports
 - Extensive use in Data Warehousing
- SQL Server Analysis Services (SSAS)
 - Not used in this class
 - This or another tool used in Data Warehousing
- SQL Server Documentation/Resources Center
 - Sometimes excellent resources if you are having problems
 - Resources Center includes links to Books Online and Tutorials

SQL Server Configuration Manager

You will ALWAYS need to run this!

- Pin a shortcut onto your start menu/task bar/whatever you prefer

In left window,

- Select SQL Server Services
 - Enable *SQL Server* (right click and select Start)--**ALWAYS**
 - Enable *SQL Full-text Filter Daemon Launcher* (may not show running)
 - Enable *SQL Browser*
 - When needed, enable
 - SQL Server Integration Services (SSIS)
 - SQL Server Reporting Services (SSRS)

In left window,

- Select SQL Server Network Configurations
 - Protocols for MSSQLSERVER
 - Use default settings
 - Shared Memory only
- SQL Native Client 11.0 Configuration
 - Client Protocols
 - Keep Shared Memory only
 - Others Don't Matter

SQL Server Management Studio

You will ALWAYS need to run this (after running SSCM)

- Pin a shortcut onto your start menu/task bar/whatever you prefer

Open SQL Server Management Studio.

- Select Connect button

Now take a look at the Object Explorer Window to the left.

To Install AdventureworksLT

- Make sure the folder you downloaded and unzipped is in C:\Samples\AdventureWorks\
 - Installation will FAIL if it is not!!!!
- Open SQL Server Management Studio.
 - Click on Connect button
- Go File/Open/File
 - Go to C:\Samples\AdventureWorks\AdventureWorks 2012 LT Script
 - Select instawltodb
 - Click on Open button
 - After instawltodb.sql has opened
 - Select Query/SQLCMD Mode
 - A few lines in instawltodb.sql should turn grey. If so:
 - Select ! Execute
 - Query will run and install AdventureWorksLT (takes a minute or two)
 - If database has been correctly installed:
 - Results pane will show 2X7 matrix
- In Object Explorer Window (to the left)
 - Right Click on Databases
 - Select Refresh
 - Open (left click) Databases
 - AdventureWorksLT2012 should now be displayed

To Install AdventureWorks OLTP 2012 (on your own)

- Make sure the folder you downloaded and unzipped is in C:\Program Files\Microsoft SQL Server\MSSQL11.MSSQLSERVER\Tools\Samples\
 - Installation will FAIL if it is not!!!!
- Go File/Open/File
 - Go to C:\Program Files\Microsoft SQL Server\MSSQL11.MSSQLSERVER\Tools\Samples\AdventureWorks 2012 OLTP Script
 - Select instawtdb
 - Follow the instructions from Install AdventureWorksLT

To Create and Enable Creation of Database Diagrams for AdventureWorks LT

- Right Click Database Name (AdventureworksLT) Folder
 - Properties
 - Files
 - Click on ... Button next to Owner
 - Click on Browse in the new window
 - Select all the choices
 - Click on OK Button
 - Click on OK Button
- Right Click Database Diagrams Folder
 - Install Database...
- Right Click Database Diagrams Folder
 - New Database Diagram
 - Select Tables
 - Everything but BuildVersion, ErrorLog
 - Rearrange
 - Right Click Show Relationships
 - FK_Table1_Table2_attributeName1

Distribute *AdventureWorksLT Schema v1*

Now for the fun of SQL!!!