### PACIFIC Introduction to Relational Databases

Software Installation and Database Access Class Instructor: Bijoy Bora



## The Way Things Work with AWS



# Installing Microsoft SQL Management Studio

• Install SQL Server Management Studio ONLY

<u>**Recommended**</u> version is SQL Server Management Studio version 2016 or later. Use the following link to download the latest General Availability (GA) version of SSMS 18.12.x

<u>https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms?view=sql-server-2017#download-ssms</u>

For the 18.3.1 release (also tested) use the following link

<u>https://docs.microsoft.com/en-us/sql/ssms/release-notes-ssms?view=sql-server-2017#1831</u>

### PACIFIC Installing Microsoft SQL Management Studio

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## Installing Microsoft SQL Management Studio Step 1 of 2 (2012 version)

- Install SQL Server Management Studio ONLY
  - Alternatively you can use 2012 version but not recommended
  - <u>http://www.microsoft.com/en-us/download/details.aspx?id=35579</u>

Choose the download you want

File Name	Size
SQLEXPRADV_x64_ENU.exe	1.9 GB
SQLEXPRADV_x86_ENU.exe	<sup>1.8 GB</sup> Select appropriate 32
SQLEXPRWT_x64_ENU.exe	1.0 GB or 64 bit version
SQLEXPRWT_x86_ENU.exe	1.0 GB based on your OS
SQLManagementStudio_x64_ENU.exe	921.6 MB
SQLManagementStudio_x86_ENU.exe	939.8 MB

### Installing Microsoft SQL Management Studio Step 2 of 2 (2012 version)

### Microsoft® SQL Server® 2012 Service Pack 1 (SP1) Express

If your download does not start after 30 seconds, Click here

### Install Instructions

Installation for the NEW users

Step 1: Enable Microsoft .Net Framework 3.5 SP1. and Download and install Microsoft .Net Framework 4.0.

Note: SQL Server Express (with database engine only) can work with either .NET 3.5 SP1 or .NET 4, there is no need to have both enabled.

Step 2: Download Microsoft® SQL Server® 2012 Express by clicking the appropriate link earlier, run it, and follow the instructions in the setup wizard to install.

#### Installation for the Existing Users

If you have an existing installation of Express with Tools, SQL Server Management Studio Express, or Express with Advanced Services, and want to add the complete SQL Server Management Studio feature to your Express instance, do the following:

Step 1: Download the required Microsoft® SQL Server® 2012 Express SP1 file to update your current SQL Server 2012 Express installation by clicking the appropriate link earlier.

Step 2: Run the file, and follow the instructions in the setup wizard to install. On the Installation Type page, select Add features to an existing instance of SQL Server, and select the instance you would like to update.

Step 3: On the Feature Selection page, select the Management Tools – Complete check box, and then proceed to complete the installation.

Once File Downloads, launch installer

### Choose the New option

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#### SQL Server Installation Center

New SQL Server stand-alone installation or add features to an existing installation

Launch a wizard to install SQL Server 2012 in a non-clustered environment or to add features to an existing SQL Server 2012 instance.

#### Upgrade from SQL Server 2005, SQL Server 2008 or SQL Server 2008 R2.

Launch a wizard to upgrade SQL Server 2005, SQL Server 2008 or SQL Server 2008 R2 to SQL Server 2012.

	Features:	Feature description:	
Default options	Instance Features Shared Features ♥ Client Tools Connectivity ♥ Client Tools Backwards Compatibility ♥ Client Tools SDK ♥ Management Tools - Basic ♥ Management Tools - Complete ♥ SQL Client Connectivity SDK □ LocalD8 Redistributable Features	The configuration and operation of each instance feature of a SQL Server instance is isolated from other SQL Server instances. SQL Server instances can operate side-by-side on the same computer.	
chould be OK		Prerequisites for selected features:	
should be OK		Already installed: Microsoft .NET Framework 4.0 Windows PowerShell 2.0 Microsoft .NET Framework 3.5 To be installed from media: Microsoft Visual Studio 2010 Shell	

#### UNIVERSITY OF THE PACIFIC Logging into DB with Management Studio . × Connect to Server Server name = SQL Server 2012 Recommended ec2-54-148-238-113.us-west-**AWS** instance 2.compute.amazonaws.com, 1433 Database Engine Server type: ec2-54-188-36-172.us-west-2.compute.amazonaws V Server name: × d, Connect to Server SQL Server Authentication Authentication: student01 Login: SQL Server \*\*\*\*\* Password: emember password Database Engine Server type: v ec2-54-188-36-172.us-west-2.compute.amazonaws.com,1 Server name: v Connect Help Options >> Authentication: SQL Server Authentication v student01 Login: Password: User ID = studentxx Remember password PW = uop123Help Connect Cancel Options >>



## **Visual Query Builder**

### FlySpeed SQL Query - <u>http://www.activedbsoft.com/overview-querytool.html</u>

New Connection Wizard	New Connection Wizard ×	New Connection Wizard
Database Server Select the database server to connect	Connection properties Define specific properties of the database connection	Connection Name Specify the Name to be shown in the Database Tree
Select your database server and it's version from the list below. If your database server is not listed there, please select Generic ADO or ODBC connection option.         Connection Type:       MS SQL Server         Server version:       Autodetect server version	Server name:       ec2-54-188-36-172.us-west-2.compute.amazonaws.com, 1433          Use integrated security         User name:       student01         Password:       ••••••         Default database:       RollingThunder         Connection method:       Connect via SQL Native Client	Name:       TestStudent         Open connection automatically on the application startup         Open the connection properties dialog to setup advanced options
To get connected to some databases you should have appropriate OLE DB provider or ODBC driver installed in your system. Drivers for many databases and file formats are already present in your Windows system. Drivers for other databases are usually installed with appropriate database client software. If you can't find one, you may ask your database administrator or contact your database vendor. Most of free and open-source databases let you to download them from their web sites. Also you may search the Internet for third-party drivers. See the FAQ section for details	Encrypt connection	☑ Open connection after closing this wizard
< Back Next > Use nativ Use sam and log	<pre>&lt; Back Next &gt; Cancel </pre>	<pre>     Back Finish Cancel      Name the     connection </pre>

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# **Building a Query**





### Other Software Options for Mac, Linux, and Windows

- SQuirreL <u>http://squirrel-sql.sourceforge.net/</u> (open source)
- DB Visualizer <a href="http://www.dbvis.com/">http://www.dbvis.com/</a> (freemium)
- Database Beaver <a href="http://dbeaver.jkiss.org/">http://dbeaver.jkiss.org/</a> (Open source)
- Adminer <u>http://www.adminer.org/</u> (linux oriented)
- Valentina Studio <u>https://valentina-</u> <u>db.com/en/studio/download</u> - Easy install on Mac



# Valentina Studio Mac Install

- Download Mac version
- Double click on disk image
- Choose get a free serial and enter it. Provide a valid email account. The serial # will be sent to this email account
- Copy and paste the serial number
- Click on Connect To. Select MSSQL as the server type
- Specify
  - Hostname = ec2-54-148-238-113.us-west-2.compute.amazonaws.com
  - Port = 1433
  - UserID = studentxx (studentxx (xx = use any id from '01' to '60'))
  - Password = uop123
  - Database = PetStore