

# Microsoft SQL Server Configuration and v5

This document outlines the configuration and requirements for installing Microsoft SQL Server so that it will run correctly with v5. The following screenshots are from an SQL 2012 installation. Please refer to the latest v5 specifications for supported versions of SQL. Only the SQL installation steps relevant to v5 are covered in this document. For more information on the SQL installation consult Microsoft.

## **Required components**

Your SQL installation should include the following components:

- Database Engine
- Management Tools
- Reporting Services

If downloading Microsoft SQL Express edition, ensure that you have downloaded the version that includes all required features. This will usually be listed as follows:

- Express with Tools (with LocalDB) Includes the database engine and SQL Server Management Studio Express)
  - This package contains everything needed to install and configure SQL Server as a database server. Choose either LocalDB or Express depending on your needs above.
- SQL Server Management Studio Express (Tools only)
  - This does not contain the database, but only the tools to manage SQL Server instances, including LocalDB, SQL Express, SQL Azure, etc. Use this if you already have the database and only need the management tools. This package includes LocalDB.
- Express with Advanced Services (contains the database engine, Express Tools, Reporting Services, and Full Text Search)
  - This package contains all the components of SQL Express. This is a larger download than "with Tools," as it also
    includes both Full Text Search and Reporting Services.

# **SQL Server Installation**

## **Feature Selection**

On the Feature Selection Screen, ensure the following options are ticked:

- Database Engine Services
- Reporting Services
- Management Tools

If any of these options are not listed, you may need to run these installations separately or download a different/additional installation file (if using SQL Express).

📸 SQL Server 2012 Setup		
SQL Server 2012 Setup Feature Selection Select the Express features to in Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Reporting Services Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	stall.  Eeatures:  Solution Services Solution Services Solution Services Solution So	Feature description:         The configuration and operation of each instance feature of a SQL Server instances.         Wiresoft. NET Framework 3.5         To be installed from media:         Microsoft. Visual Studio 2010 Shell         Microsoft. Visual Studio 2010 Shell
	Select All Unselect All	< Þ
	Shared feature directory: C:\Program Files\Micros Shared feature directory ( <u>x</u> 86): C:\Program Files (x86)\/\V	oft SQL Server\
	< <u>B</u> ack	Next > Cancel Help

### Authentication Mode

On the **Authentication Mode** screen, select **Mixed Mode**. The system administrator (sa) password that you enter here should be noted for future reference.

You also may wish to add other windows accounts as SQL administrators.

1 SQL Server 2012 Setup		
Database Engine Confi Specify Database Engine auther	guration ntication security mode, administrators and data directories.	
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Reporting Services Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Server Configuration Data Directories User Instances FILESTREAM Specify the authentication mode and administrators for the Database Engine. Authentication Mode O Windows authentication mode Mixed Mode (SQL Server authentication and Windows authentication) Specify the password for the SQL Server system administrator (sa) account. Enter password: Confirm password: Specify SQL Server administrators	
	SQL Sec have une to the Dat Add <u>Current User</u> <u>Add.</u> <u>Bernove</u> <u>&lt; Back</u> <u>Next</u> > <u>Cancel</u>	r administrators stricted access abase Engine. Help

# **Reporting Services Configuration**

If installing Microsoft Reporting Services separately or reporting services did not configure as part of the installation, you may need to do some additional configuration.

1. Connect to Microsoft Reporting Services:

	Reporting Services Configur	ation Manager: 4698KVIRT\MSSQLSERVER	
Reporting Services Conf	guration Manager		
Connect	Report Server Status		
Service Account	Use the Reporting Sen Manager. If you install database, and the Rep	rices Configuration Manager tool to define or modify settings for the Report Serve ed Reporting Services in files-only mode, you must configure the Web service UR ort Manager URL.	er and Report L, the
J Web Service URL	Reporting	Services Configuration Connection	
Database	Reporting Server 2012	2	
Report Manager URL	Please specify a server name, cl instance to configure.	ick the Find button, and select a report server	
🚖 E-mail Settings	Server Name:	4698KVIRT Find	
Execution Account	Report Server Instance:	MSSQLSERVER V	
R Encryption Keys			
a <sup>#</sup> a Scale-out Deployment	e	Connect Cancel	
			Сору
0		Apply	Exit

2. Click on each of the following items on the left panel in sequence. The default settings can be selected for each option.

SQL Server 2012 Reporting Services Configu	iration Manager	
	Report Server Status	
Service Account	Use the Reporting Services Config Manager. If you installed Reporti database, and the Report Manag	guration Manager tool to define or modify settings for the Report Server and Report ng Services in files-only mode, you must configure the Web service URL, the er URL.
🔊 Web Service URL	Current Report Server	
🔰 Database	SQL Server Instance:	MSSQLSERVER
	Instance ID:	MSRS11.MSSQLSERVER
Report Manager URL	Edition:	WEB EDITION
	Product Version:	11.0.3128.0
🚖 E-mail Settings	Report Server Database Name:	ReportServer
	Report Server Mode:	Native
Execution Account	Report Service Status:	Started
Recryption Keys	St	art Stop
📲 Scale-out Deployment		

3. When configured correctly the "Web Service URL" and the "Report Manager URL" will be hyperlinked and accessible when clicked, and a database name will be listed.

Configure a URL u instance, or to spe	sed to access the Report Server. Click Adv ecify additional parameters on the URL.	anced to define multiple UF	Ls for a single Report Server
Report Server Web Service Vi	rtual Directory		
Virtual Directory:	ReportServer		
Report Server Web Service Si	te identification		
IP Address:	All Assigned (Recommended)	¥	
TCP Port:	80		
SSL Certificate:	(Not Selected)	~	
SSL Port:			Advanced
Report Server Web Service U	RLs		
URLs:	http://4698KVIRT:80/ReportServe	<u>er</u>	

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Report Server Databas	e
Reporting Ser change the rep	vices stores all report server content and application data in a database. Use this page to create or ort server database or update database connection credentials.
Current Report Server Dat	abase
Click Change database t	o select a different database or create a new database in native or SharePoint integrated mode.
SQL Server Name: Database Name: Report Server Mode:	4698KVIRT ReportServer Native
	Change Database
Report Manager URL	
Configure a U parameters o	RL to access Report Manager. Click Advanced to define multiple URLs, or to specify additional ו the URL.
-Report Manager Site Iden	ification
Virtual Directory:	Reports
URLs:	http://4698KVIRT:80/Reports Advanced

# **Additional Configuration (Optional)**

The following steps are *only required* if you will be using SQL Server Reporting Service Report Builder (used for the creation of basic v5 custom reports).

The web.config file is normally located in C:\Program Files\Microsoft SQL Server\MSSQL.1\Reporting Services\ReportServer – the exact location may vary depending your specific configuration. Edit this file with any text editor, such as Notepad, and find the following line:

<httpRuntime executionTimeout = "9000" />

and change it to:

```
<httpRuntime executionTimeout = "9000" maxRequestLength = "20480" />
```

This changes the maximum file size to 20MB to cover further increases in the size of the v5 report model.