# SQL Server Installation Guide

- 1. From the Visor 360 installation CD\USB Key, open the "Access" folder and install the Access Database Engine.
- 2. Open *Visor 360 V2.0* folder and double click on *Setup*. Visor 360 will install .NET Framework 3.5 automatically. This component is required prior to installing SQL Server.
- 3. Download the latest SQL Server 2008 Express edition from Microsoft website.
- 4. Double click on the SQL installation file and follow the procedure below:



Press on the Installation tab to the left, and then click on the New SQL Server installation option.



Click OK.

🏶 SQL Server 2008 Setup		
Setup Support Rules		
Setup Support Rules identify problems before Setup can continue.	s that might occur when you install SQL Server Setup support files. Failures must be corrected	
Setup Support Rules	Operation completed. Passed: 6. Failed 0. Warning 0. Skipped 0.	
	Show details >>	Re-run
	View detailed report	
	OK Cancel	Help

Specify the edition of SQL S	erver 2008 to install.
roduct Key icense Terms etup Support Files	Specify a free edition of SQL Server or provide a SQL Server product key to validate this instance of SQL Server 2008. Enter the 25-character key from the Microsoft certificate of authenticity or product packaging. If you specify Enterprise Evaluation, the instance will be activated with a 180-day expiration. To upgrade from one edition to another edition, run the Edition Upgrade Wizard.



Select checkbox "I accept the license terms" and press Next.



Press Install. Setup Support Files in progress. Wait for the installation to finish.

🍀 SQL Server 2008 Setup			
Setup Support Files			
Click Install to install Setup Sup	port files. To install or update SQL Serv	er 2008, these files are required.	
			0668888
Product Key	The following components are	required for SQL Server Setup:	
License Terms	Feature Name	Status	
Setup Support Files	Setup Support Files	In Progress	
	Performing Windows Installer a	ctions.	
			)
		< Bao	k Install Cancel



Verify that there are no Failed Rules, and then click Next.

🅵 SQL Server 2008 Setup					
Setup Support Rules					
Setup Support Rules identify problems before Setup can continue.	that r	night occur when you install SQL Server Setup support files. Failures mu	ust be corrected		
Setup Support Rules	Oper	ation completed. Passed: 9. Failed 0. Warning 1. Skipped 1.			
Feature Selection					
Disk Space Requirements	Hid		Perrup		
Error and Usage Reporting	View	detailed report	i ko ran		
Ready to Install	VICVV				
Installation Progress		Rule	Status		
Complete		Fusion Active Template Library (ATL)	Passed		
		Unsupported SQL Server products	Passed		
	0	Performance counter registry hive consistency	Passed		
	0	Previous releases of SQL Server 2008 Business Intelligence Develop	Passed		
	0	Previous CTP installation	Passed		
	0	Consistency validation for SQL Server registry keys	Passed		
		Computer domain controller	Passed		
		Microsoft .NET Application Security	Not applicable		
		Edition WOW64 platform	Passed		
		Windows PowerShell	Passed		
		Windows Firewall	Warning		
		1			

In the Feature Selection press on Select All and then click Next.

1 SQL Server 2008 Setup		
Feature Selection Select the Express features to install. clustered.	For clustered installations, only Database Engine Services and Analysis 5	õervices can be
Setup Support Rules Feature Selection Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error and Usage Reporting Installation Rules Ready to Install Installation Progress Complete	Features: Instance Features Subserver Replication Shared Features Sol, Client Connectivity SDK Redistributable Features Select All Unselect All	Description: Includes a set of replication objects for copying data and database objects from one database to one or more other databases.
	Shared feature directory: C:\Program Files\Microsoft SQL Server	1
	< Back	Next > Cancel Help



Type in your Named Instance (Database name) and press Next.

🏗 SQL Server 2008 Setup					
Instance Configuration Specify the name and instance ID for	the SQL Server instance.				
Setup Support Rules Feature Selection Instance Configuration	<ul> <li>Default instance</li> <li>Named instance:</li> </ul>	SQLExpress			
Disk Space Requirements Server Configuration Database Engine Configuration Error and Usage Reporting	Instance ID: Instance root directory:	SQLExpress C:\Program Files\Mi	crosoft SQL Server\		
Installation Rules Ready to Install Installation Progress Complete	SQL Server directory: Installed instances:	C:\Program Files\Mi	crosoft SQL Server\M	55QL10.5QLExpress	
	Instance	Features	Edition	Version	Instance ID
			< Back	Next >	Cancel Help

🏗 SQL Server 2008 Setup		
Disk Space Requirement	ts	
Review the disk space summary for t	he SQL Server features you selected.	
Setup Support Rules Feature Selection Instance Configuration <b>Disk Space Requirements</b> Server Configuration Error and Usage Reporting Installation Rules Ready to Install Installation Progress Complete	Disk Usage Summary:  C: 295 MB required, 469512 MB available System Drive (C:): 118 MB required Shared Install Directory (C:\Program Files\Microsoft SQL Server\): 0 MB required Instance Directory (C:\Program Files\Microsoft SQL Server\): 177 MB required	
	Sack Next > Cancel	Help



In the SQL Server Database Engine section select NT AUTHORITY\NETWORK SERVICE.

In the SQL Server Browser section select Automatic for Startup Type.

Press Next.

🍀 SQL Server 2008 Setup				
Server Configuration Specify the configuration.				
Setup Support Rules Feature Selection Instance Configuration	Service Accounts Collation	a separate account for each SQL	Server service.	
Disk Space Requirements	Service	Account Name	Password	Startup Type
Server Configuration	SQL Server Database Engine	NT AUTHORITY\NETWOR		Automatic 🔽
Database Engine Configuration		Ľ	J	
Error and Usage Reporting Installation Rules Ready to Install Installation Progress Complete	These services will be configured au older Windows versions the user will Hele	Use the sa tomatically where possible to use need to specify a low privilege	ame account for all a low privilege ac account. For more	SQL Server services count. On some information, click
	Service	Account Name	Decayord 2	Startup Tupo
	SOL Server Browcer		Passworu	
		MI AOMOKI I (LOCAL S		
		3		
		< Back	Next > Ca	ancel Help



Select "Mixed Mode". Enter password and confirmation password. Press on Add Current User.

🏗 SQL Server 2008 Setup		
Database Engine Configu Specify Database Engine authentication	Iration In security mode, administrators and data directories.	
Setup Support Rules Feature Selection Instance Configuration Disk Space Requirements Server Configuration <b>Database Engine Configuration</b> Error and Usage Reporting Installation Rules Ready to Install Installation Progress Complete	Account Provisioning Data Directories User Instances FILESTREAM Specify the authentication mode and administrators for the Database Engine. Authentication Mode          Authentication Mode         Windows authentication mode         Windows authentication mode         Mixed Mode (SQL Server authentication and Windows authentication)         Built-in SQL Server system administrator account         Enter password:         Confirm password:         Specify SQL Server administrators         OFFICE-DSASSC6B\office (office)         SQL Server administrators         Q         Add Current User         Add	
	< Back Next > Cancel Help	) 



Click Next.

1 SQL Server 2008 Setup	
Error and Usage Reporti	ng
Help Microsoft improve SQL Server fea	atures and services.
Setup Support Rules Feature Selection Instance Configuration Disk Space Requirements	Specify the information that you would like to automatically send to Microsoft to improve future releases of SQL Server. These settings are optional. Microsoft treats this information as confidential. Microsoft may provide updates though Microsoft Update to modify feature usage data. These updates might be downloaded and installed on your machine automatically, depending on your Automatic Update settings.
Server Configuration Database Engine Configuration	View the Microsoft policy for SQL Server privacy and data collection.
Error and Usage Reporting Installation Rules Ready to Install Installation Progress Complete	Read more about Microsoft Update and Automatic Update.         Send Windows and SQL Server Error Reports to Microsoft or your corporate report server. This setting only applies to services that run without user interaction.         Send feature usage data to Microsoft. Feature usage data includes information about your hardware configuration and how you use Microsoft software and services.
	< Back Next > Cancel Help





SQL Server 2008 is ready to install. Press on Install.



Installation in Progress. Wait for installation to end and press Next.

뚢 SQL Server 2008 Setup		
Installation Progress		
Setup Support Rules Feature Selection Instance Configuration Disk Space Requirements	Setup process complete	
Database Engine Configuration	Feature Name	Status
Error and Usage Reporting	Oatabase Engine Services	Success
Installation Rules	SQL Server Replication	Success
Ready to Install	SQL Client Connectivity SDK	Success
Installation Progress Complete		
		Next > Cancel Help



Installation is complete. Press Close.

뚢 SQL Server 2008 Setup	
Complete Your SQL Server 2008 installation co	mpleted successfully.
Setup Support Rules Feature Selection Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error and Usage Reporting Installation Rules Ready to Install Installation Progress <b>Complete</b>	Summary log file has been saved to the following location: <u>Ct\Program Files\Microsoft SQL Server\100\Setup Bootstrap\Log\20130512 211250\Summary office-</u> <u>dSa55c8b 20130512 211250.txt</u> Information about the Setup operation or possible next steps: Vour SQL Server 2008 installation completed successfully.
	Supplemental Information: The following notes apply to this release of SQL Server only. Microsoft Update For information about how to use Microsoft Update to identify updates for SQL Server 2008, see the Microsoft Update Web site <htps: ?linkid="108409" fwlink="" go.microsoft.com=""> at http://go.microsoft.com/fwlink/?LinkId= 108409. Reporting Services The Reporting Services installation options that you specified in Setup determine whether additional configuration Ite required before you can access the report server. If you installed the default configuration be report server</htps:>
	Close Help

## Close window.

SQL Server Installation Center	
Planning	New SQL Server stand-alone installation or add features to an existing installation
Installation	Launch a wizard to install SQL Server 2008 in a non-clustered environment or to add features to an existing SQL Server 2008 instance
Maintenance	
Tools	New SQL Server failover cluster installation
TOOIS	VIII Launch a wizard to install a single-node SQL Server 2008 failover cluster.
Resources	
Advanced	Add node to a SQL Server failover cluster
/////	Launch a wizard to add a node to an existing SQL Server 2008 failover cluster.
Options	Upgrade from SQL Server 2000 or SQL Server 2005
	Launch a wizard to upgrade SQL Server 2000 or SQL Server 2005 to SQL Server 2008. Before you upgrade, you should run the Upgrade Advisor to detect potential problems.
	Search for product updates
	📃 🐨 Search Microsoft Update for SQL Server 2008 product updates.
SQL Server 2008	



In order to connect remote clients, you would need to setup this feature, please follow the following procedure:

From the Start menu, click on Microsoft SQL Server 2008, Configuration Tools and then press on "SQL Server Configuration Manager".

Image: Constraint of the second se	isafe	۲		_	
<b>E</b>	Microsoft SQL Server 2008	Þ	💼 Configuration Tools 🛛 🔸	6	SQL Server Configuration Manager
<b>m</b>	Startup	۲	🚉 Import and Export Data (32-bit)	Ľ	SQL Server Error and Usage Reporting
۹	Internet Explorer			1	SQL Server Installation Center
1	MSN			_	

Under SQL Server Network Configuration, click on Protocols for SQLEXPRESS. Then right click on Named Pipes and press on Enable.

🚡 Sql Server Configuration Manager					
File       Action       View       Help         Image: Protocols       Image: Protocols       Image: Protocols       Image: Protocols         Image: Protocols       Image: Protocols       Image: Protocols       Image: Protocols       Image: Protocols         Image: Protocols <th>Protocol Name Shared Memory Named Pipes TCP/IP VIA</th> <th>Status Enabled Disabled Disabled Disabled</th> <th>Enable Disable Prope Help</th> <th>rties</th> <th></th>	Protocol Name Shared Memory Named Pipes TCP/IP VIA	Status Enabled Disabled Disabled Disabled	Enable Disable Prope Help	rties	
Enable selected protocol.	]				

You will get a *"Warning"* message notifying that changes will take effect only after your Database service has been restarted. Press *OK*.





Under *SQL Server Network Configuration*, click on *Protocols for SQLEXPRESS*. Then right click on *TCP/IP* and press on *Properties*.

🚡 Sql Server Configuration Manager					
Sqt Server Configuration Manager         File       Action       View       Help         Image: Sqt Server Configuration Manager (Local)         SQL Server Configuration Manager (Local)         SQL Server Services         SQL Server Network Configuration         Image: Protocols for SQLEXPRESS         Image: SQL Native Client 10.0 Configuration	Protocol Name Shared Memory Named Pipes TCP/IP VIA	Status Enabled Enabled Disabled Disabled	Enable Disable Properti Help	ies 2	
Opens property sheet for the current selection.	<u> </u>				

First select Yes to enable TCP\IP.

Select IP Addresses tab.

TCP/IP Properties	? 🛛
Protocol IP Addresses 2	
General     Enabled     Keep Alive     Listen All	Yes 💌 Yes No
Enabled Enable or disable TCP/IP protocol for	this server instance
	el Apply Help



In the *IP Addresses* tab, fill the *TCP port*. For our example we will use port 1433, and then click *OK*.

TCP/IP Properties	? 🛛
Protocol IP Addresses 1	
IP1	
Active	Yes
Enabled	No
IP Address	192.168.0.106
TCP Dynamic Ports	0
TCP Port	
IP2	
Active	Yes
Enabled	No
IP Address	127.0.0.1
TCP Dynamic Ports	0
TCP Port	
TCP Dynamic Ports	0 2
TCP Port	1433 🚽 🚄
TCP Port TCP port	
3 ок с	Cancel Apply Help

You will get a *"Warning"* message notifying that changes will take effect only after your Database service has been restarted. Press *OK*.

Warnin	e 🛛 🔀
(į)	Any changes made will be saved; however, they will not take effect until the service is stopped and restarted.
	ОК



Click on SQL Server Services section, right click on "SQL Server (SQLEXPRESS)" then press on Restart.

🚡 Sql Server Configuration Manager				
File Action View Help				
SQL Server Configuration Manager (Local)	Name	State	Start Mode	Log On /
SQL Server Services	5QL Server Browser	Running	Automatic	NT AUTH
SQL Server Network Configuration	SQL Server (SQLEXPRESS)	Running	A	NT AUTH
Frotocols for SQLEXPRESS	SQL Server Agent (SQLEXPRESS)	Stopped Stopped	oot, System	NT AUTH
			ause	
		R	esume	
		2 R	estart	
		Р	roperties	
		н	elp	
	<	]		>
Restart (stop and then start) selected service.				

Your Database Service will restart.

If your computer has a firewall, and it is enabled, please follow the following procedure: From the *Control Panel*, open the *firewall*, select the *"Exceptions"* tab and then click *Add Port*.

😺 Windows Firewall 🛛 🔊
General Exceptions Advanced
Windows Firewall is blocking incoming network connections, except for the programs and services selected below. Adding exceptions allows some programs to work better but might increase your security risk.
Programs and Services:
Name
<ul> <li>File and Printer Sharing</li> <li></li></ul>
Add Program Add Port Edit Delete
Display a notification when Windows Firewall blocks a program
What are the risks of allowing exceptions?
OK Cancel



In the *Name* field, type SQLSERVER and enter the port number 1433 (or the port that you used in the previous steps), select *TCP* check box, and then press *OK*.

Add a Port	
Use these settings number and protoc want to use.	to open a port through Windows Firewall. To find the port ol, consult the documentation for the program or service you
Name:	SQLSERVER -
Port number:	1433
C	
What are the risks	of opening a port?
Change scope	OK Cancel

Click *Add port* again to add an additional port.

In the *Name* field, type SQLSERVERBROWSER and enter port number 1434, select *UDP* check box, and then click *OK*.

Add a Port	
Use these settings number and protoc want to use.	to open a port through Windows Firewall. To find the port :ol, consult the documentation for the program or service you
Name:	SQLSERVERBROWSER
Port number:	1434
	O TCP O UDP
What are the risks	of opening a port?
Change scope	OK Cancel

The SQL Server configuration is now complete. You may close all windows.



😺 Windows Firewall 🛛 🛛 🗙
General Exceptions Advanced
Windows Firewall is blocking incoming network connections, except for the programs and services selected below. Adding exceptions allows some programs to work better but might increase your security risk.
Programs and Services:
Name         File and Printer Sharing         Remote Assistance         Remote Desktop         SQLSERVER         SQLSERVER         UPnP Framework
Add Program Add Port Edit Delete
Display a notification when Windows Firewall blocks a program
What are the risks of allowing exceptions?
OK Cancel



# Creating an Installation for Visor 360

From the *Start* menu or your desktop, double click on the *Visor 360* icon, select your language and press *OK*.

In the *Management of installations* window, click on *Add*.

Management of installations	
	Actions
	🚰 Open
	🎦 Add
	🛅 Modify
	🚉 Delete
	🛃 Save
	陀 Restore
Select as installation or an action	

In the type of installation, select Server station (SQL Server database) and press Next.

🖗 New installation		×
	1. Choice of installation type	
	What type is your installation?	
	<ul> <li>Single-station installation (Access database)</li> </ul>	
	📀 Client/server installation: server station (SQL Server database)	
	O Client/server installation: client station (SQL Server database)	
	<ul> <li>Installation with Windows service (SQL Server database)</li> </ul>	
	Back Next Cancel	



Select the database you have created and press OK.

Searching for SQL servers
List of servers
OFFICE-D5A55C8B\SQLEXPRESS
OK Cancel

Enter the name of your installation, select the SQL Server authentication mode, Enter Login ("sa" by default) and Password, then click *Next*.

New installation		×
	2. Database location          1       Indicate the name of your installation:         New installation 1       Indicate the database location:         DFFICE-D5A55C8B\SQLEXPRESS          2       Indicate the authentication mode:         SQL Server authentication       Image: Sql Server authentication         User ID:       sa         Password:       ••••••	
	Back Next Cancel	



Press Next.

New installation	
	3. Type of reader
	Do you know what type of reader is used?
	No, I will configure it when adding central units
	○ Yes, I use the following type of reader: Wiegand
	Back Next Cancel

Press Confirm.

New installation	4. Confirmation Creation of next installation: Creating installation: New installation 1 Path: OFFICE-D5455C88\SQLEXPRESS	
	Client/server installation: server station (SQL Server database)	<u>.</u>
	Back	Confirm ext Cancel



Your new Visor 360 installation has been successfully created.

🖗 Management of installations	
New installation 1	Actions Den Add Add Add Add Save Restore
OFFICE-D5A55C8B\SQLEXPRES5	

If the SQL Server is on the same computer as Visor 360, proceed without any additional steps.

Otherwise, make sure your computer has proper network access rights to the shared directory accessible by the SQL Server and Visor 360 software.

