Before Business sensor Installation on your system

What is Business Sensor (BS)?

BS Complete Accounting System is an accounting package you can use to monitor your business, in terms of sales, purchases, bills payment, Expenses, customer/vendor ledger down to financial report such as profit or loss report, balance sheet, trial balance general ledger report with chart etc. It has powerful reporting techniques that will satisfy you and at the same time send the report to your mail for easy access.

INSTALLATION PREREQUISITES

Hardware and Operating System Requirements:

For Server PCs

Operating System: Windows 2008R2 Server, Windows 10, Windows 8 or 7 Ultimate

OS Type: 64-Bit Operating System

Processor: Core i3, i5, i7 CPUs

RAM Size: 8 GB Ram and above

HDD: 500 GB Free Space

For Client PCs

Operating System: Windows 10, Windows 8 or 7 Ultimate

OS Type: 64-Bit Operating System

Processor: Dual core CPU

RAM Size: 4 GB Ram

HDD: 80 GB Free Space

MICROSOFT .NET FRAMEWORK REQUIREMENT

All our softwares are built on Microsoft .Net Framework 4.0. Before installing verify whether your operating system has the required Microsoft .net framework version

OS and default installed .Net framework version

1. Windows 7, Windows 2008R2 Server:

The OS already have .Net Framework 2.0 and 3.0 installed by default. You need to download and install .Net framework 4.0

2. Windows 8, Windows 10, and Windows 2012 Server:

The .Net framework 2.0 & 3.0 are included in these OS but are not enabled, which means you have to manually enable it. Dotnet framework 4.0 comes with it and is fully installed by default.

Note: SQL Server 2008R2 required .Net framework 3.0 to install, which means you must enable it on Windows 8, Windows 10 & Windows server 2012 OS to run SQL Server 2008R2. You can only do this on server computer and not client.

Before you install the software, there are some installations you need to make

Types of installation and software to install on them

A. Server Installation:

Server is the type of computer that hosts the resources other clients or computers are sharing on a network. These are the software you need to install on the server.

1. Microsoft SQL Server: Database software from Microsoft that allows you to manage your database.

2. Microsoft Dotnet Framework: This is foundation software for some Microsoft products that allow some tools to be used.

3. Crystal Report: Crystal Report is reporting software.

4. Business Sensor: Before this installation, all the above mentioned software must be installed for proper functioning.

B. <u>Client Installation:</u>

Client system is a computer or system that depends on the server for some operation. The client installation does not require SQL Server software because it's going to get data from the server. These are the software you need to install

- 1. Microsoft Dotnet Framework
- 2. Crystal Report and finally

3. Business Sensor: Before this installation, all the above mentioned software must be installed for proper functioning.

For downloads, log on to our website: http://www.businesssensor.com. If you have an account with us or registed with us, if not click on **REGISTER** to sign up. After the completion then, click on **DOWNLOADS** link to download any of our products. These are the steps for the download.

i. FOR SERVER SYSTEM

Step 1: Go to **DOWNLOADS** link and click.

Step 2: On the new page locate the package you want to install, e.g. Complete Accounting Package, BS Point of Sales or Hotel Reservation Management. e.t.c.

Step 3:Click on Download link under '**For Server**' system, and download all the necessary files for the installation.

ii. FOR CLIENT SYSTEM

Step 1:

Go to **DOWNLOADS** link and click.

Step 2:

On the new page locate the package you want to install, e.g. Complete Accounting Package, BS Point of Sales or Hotel Reservation Management. e.t.c.

Step 3:

Click on Download link under 'For Client' system, and download all the necessary files for the installation.

Note: There is no need to download Microsoft SQL Server because the system you are installing is a client system.

Crystal Report Installation

Step 1: Double click on Crystal Report setup file to install and wait for installation to start



Step 2:

Click on Next button and check the "I accept the Licence Agreement" and click Next to start the Installation fully.



Step 3: Click on Finish button after the installation



For downloads, log on to our website: http://www.businesssensor.com. But first, you need to signup before you can download any of our product. Click on Register Link to sign-up and log in before proceeding to download page.

Dotnet Framework Installation on Windows 7, windows 8 and windows 10

To install DotNet Framework, follow these step:

Step 1: Double click on dotnet framework setup file to install.

BS Setup		• •7	search as setup	2
File Edit View Tools Help Organize - Include in library -	Share with 👻 New folder		≋ • □	0
🚖 Favorites	Name	Date modified	Туре	Size
🔜 Desktop	🔐 BSSetup5.msi	06-Jul-2015 8:29 AM	Windows Installer	68,1
🔛 Recent Places	🖁 CRRuntime_32bit_13_0_6.msi	22-May-2013 6:23	Windows Installer	75,6
🎉 Downloads	dotNetFx40_Full_x86_x64.exe	18-Mar-2010 7:44	Application	49,20
💱 Dropbox <u> </u> Google Drive	SQLERPRWT_x86_ENU_2008R2.exe	27-Mar-2092 10:33,	Application	315,8

Step 2: The system is going to extract this file for installation. Make sure you check the licence-term box and click install



	s to contribe.	.NE
MICROSOFT S	OFTWARE	í.
I have read and accept the	license terms.	
Download size estimate:	0 MB	
Download time estimates:	Dial-Up: 0 minutes Broadband: 0 minutes	

Check the licence-terms box

Step 3: Wait a little for the installation to complete, and click finish button after the completion.



How to Enable .Net Framework on Windows 7, 8, 10 & Windows Server 2012

Dot Net Framework has been added as part of windows feature. All you need to do is to enable it. Follow these steps to enable:

Method 1:

Step 1: Get the windows installation disk used for the server system OS installation.

Step 2: Open windows 8, 10 or Server 2012 installation disk as the case may be, locate and open sources folder and copy the sxs folder.

Step 3: Paste the copied sxs folder directly into your local drive C:



Step 4: Right Click on windows "Start" button and navigate to Command prompt (Admin) and type this command and press enter to activate.

Note: The space, forward and backward slash are very important, be mindful of it while typing the command.

Type - dism /online /enable-feature /featurename:NetFx3 /All /source:c:\sxs /limitedAccess



Method ii:

Right click on the Start Button on the task bar, then click on the Control Panel.



From the Control Panel, click Programs and Features.

Notification Area Icons	Performance Information and Tools
Programs and Features	QuickTime (32-bit)
SmartAudio Programs and Feature Uninstall or change programs and Feature	es rograms on your
System	Taskbar
Ban	<u> </u>

When the Programs and Features window comes up, click Turn Windows Features On or Off.



Then check .NET Framework 3.5 (includes .NET 2.0 and 3.0) and click OK.

	Windows Features	x
Turn	Windows features on or off	0
To turn	a feature on, select its check box. To turn a feature off, clear its check	2
DOX. AI	NET Framework 3.5 (includes, NET 2.0 and 3.0)	•
± F	NET Framework 4.5 Advanced Servicer VET Framework 3.5 (includes .NET 2.0 and 3.0)	
•	Hyper-V	
	📙 Internet Explorer 10	
• 🗆	Internet Information Services	
	Internet Information Services Hostable Web Core	
· · ·	📔 Media Features	
• D	Microsoft Message Queue (MSMQ) Server	
	Network Projection	
	Print and Document Services	
	RAS Connection Manager Administration Kit (CMAK)	¥

Next, you'll need to download files from Windows Update.

Windows Features	2
Windows needs files from Windows Update to finish installing some features.	
Download files from Windows Update	
Don't connect to Windows Update No changes will be made to your PC.	

Wait while the previous versions of .NET Framework are downloaded and installed.

	Windows Features		×
	undows reatores		
Do	whiloading required file	S	

A restart might be required. I enabled previous versions of .NET on three different Windows 8 systems and my 32-bit version needed to be restarted.



How To Enable .Net Framework 2.0 and 3.0's family on Window 7.

To enable, install or configure Microsoft .NET Framework 2.0 and 3.0's family on window 7. Just follow these steps:

Step 1. Click Start button and navigate to Control Panel and click.



Step 2. When it loads, Click on Programs.

Adjust your computer's settings

View by: Category



Step 3. Click Turn Windows features on or off



Step 4. Click the checkbox next to Microsoft .NET Framework 3.5.1, You will see the checkbox become filled.



Step 5. And click OK



Wait for Windows to complete the operation. If it asks you to connect to Windows Update to download required files, click Yes.

SQL Server Installation 2008R2 and 2012

1. To install SQL Server 2008 R2, complete the following steps:

Note: SQL Server 2008R2 required .Net framework 3.0 to install, which means you must enable it on Windows 8, Windows 10 & Windows server 2012 OS to run SQL Server 2008R2. You can only do this on server computer and not client. Refer to *How to enable dotNet Framework 2.0 and 3.0* by the left side having a left side the client of the second s

Step 1: Double click the downloaded SQL Server file.



If "Open File Security - Warning" dialog box - "Do you want to run this file?" appears, click Run



Step 2: "SQL Server Installation Center" dialog box will show, click on "New Installation or add feature to an existing installation" and wait for installation to begin.



Step 3: Check the "New installation or add shared feature" and click Next.

SQL Server 2008 R2 Setup Installation Type Specify whether you want to pe	rform a new installation	or add features to a	n existing instance o	of SQL Server.	
Setup Support Rules Installation Type License Terms Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration	 New installation Select this option components suc Add features to a MSSQLSERVER Select this option you want to add Features within a 	or add shared featu n if you want to ins h as SQL Server Ma en existing instance n if you want to ad the Analysis Servic en instance must be	res tall a new instance o inagement Studio or of SQL Server 2008 f 	f SQL Server or want Integration Services. 22 ing instance of SQL S tance that contains t	to install shared erver. For example, he Database Engine.
Installation Configuration Rules Installation Progress Complete	Instance Name	Instance ID	Features	Edition	Version
		[< Back	Next > Can	cel Help

Step 4: Check "I accept the licence terms" box and click Next.

1 SQL Server 2008 R2 Setup	
License Terms To install SQL Server 2008	R2, you must accept the Microsoft Software License Terms.
License Terms Setup Support Files	MICROSOFT SOFTWARE LICENSE TERMS MICROSOFT SQL SERVER 2008 R2 EXPRESS WITH TOOLS MICROSOFT SQL SERVER 2008 R2 EXPRESS WITH ADVANCED SERVICES These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft updates, supplements, Internet-based services. and
	I accept the license terms. Image: Send feature usage data to Microsoft. Feature usage data includes information about your hardware configuration and how you use SQL Server and its components. See the SQL Server 2008 R2 Privacy Statement for more information.
	< Back Next > Cancel

Step 5: Click "Select All" button to check all the features and click Next. You can type SQL Server into a "Named instance" field or Check "Default instance" and click Next.

😭 😭 SQL Server 2008 R2 Setup		
Feature Selection Select the Express with Advanced S	ervices features to install.	
Setup Support Rules	Features:	Description:
Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Instance Features Database Engine Services SQL Server Replication Shared Features Management Tools - Basic SQL Client Connectivity SDK Redistributable Features	Server features are instance-aware and have their own registry hives. They support multiple instances on a computer.
	Select All Unselect All Shared feature directory: c:\Program Files\Mici	rosoft SQL Server\
	< Back	Next > Cancel Help

Instance Configuration Specify the name and instance	ID for the instance of SQL Se	erver. Instance II	D becomes part of th	e installation path.	
Setup Support Rules Feature Selection Installation Rules	 Default instance Named instance: 	SQLExpress			
nstance Configuration Disk Space Requirements Server Configuration Database Engine Configuration	Instance ID: Instance root directory:	MSSQLSERVE C:\Program I	ER Files\Microsoft SQL S	erver\	
Error Reporting Installation Configuration Rules Installation Progress Complete	SQL Server directory: Installed instances:	C:\Program F	iles\Microsoft SQL Se	erver\MSSQL10_50.MS	SSQLSERVER
	Instance Name I	Instance ID	Features	Edition	Version

Step 6: Click Next on Server Configuration page to see Database Engine Configuration. You can select "Window authentication mode or Mixed Mode(SQL Server authentication and Window authentication). Note: If you select Mixed mode, then you must enter password and click Next.

Database Engine Config Specify Database Engine authenti	uration cation security mode, administrators and data directories.	
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Account Provisioning Data Directories FILESTREAM Specify the authentication mode and administrators for the Database E Authentication Mode Windows authentication mode Mixed Mode (SQL Server authentication and Windows authentication rver Configuration essword for the SQL Server system administrator (sa) account Enter password: Confirm password: Specify SQL Server administrators	ngine. n) unt.
	LINUS-PC\LINUS (LINUS) Add Current User Add Remove	SQL Server administrators have unrestricted access to the Database Engine.

Step 7: Just click Next on Error Reporting page for installation to start.

SQL Server 2008 R2 Setup	
Error Reporting Help Microsoft improve SQL Ser	ver features and services.
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	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 through Microsoft Update to modify feature usage data. These updates might be downloaded and installed on your machine automatically, depending on your Automatic Update settings. See the SQL Server 2008 R2 Privacy Statement for more information. 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.
	< Back Next > Cancel Help

Step 8. After the installation is completed, then click on Close button to exit the installation setup.

SQL Server 2008 R2 Setup	
Complete Your SQL Server 2008 R2 install	ation completed successfully.
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Summary log file has been saved to the following location: <u>C:\Program Files\Microsoft SQL Server\100\Setup Bootstrap\Log\20180504 105206\Summary LINUS-PC 20180504 105206\summary LINUS-PC 20180 about the Setup operation or possible next steps: Information about the Setup operation completed successfully. </u>
	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 R2, see the Microsoft Update Web site at http://go.microsoft.com/fwlink/?LinkId=108409 . Samples
	Close Help

To install SQL Server 2012

2. To install SQL Server 2012, complete the following steps:

Note: SQL Server 2012 required .Net framework 4.0 to install, which means you must enable it on Windows 8, Windows 10 & Windows server 2012 OS to run SQL Server 2012. You can only do this on server computer and not client. Refer to *How to enable dotNet Framework 2.0 and 3.0* by the left side navigation.

Step 1: Double click the downloaded SQL Server file.

			_	• X
🗢 👝 🕨 Computer	► Removable Disk (F:) ►		✓ 4y Sean	ch Remo 🔎
ie 🔻 📑 Open	Burn New folder		!≡ ▼	
orites	Name	Date	Туре	Size
esktop	🔒 System Volume Information	27/04/2018 04:07	File folder	
ecent Places	🔒 All Drivers	15/06/2018 12:11	File folder	
ideos	SQLPICS	16/06/2018 04:32	File folder	
ownloads	🔒 CBE	17/06/2018 04:42	File folder	
	🄑 videos	19/06/2018 10:20	File folder	
raries	🤑 VS2015	21/06/2018 10:23	File folder	
ocuments	■ VS2013ULT	21/06/2018 10:23	File folder	
1usic	VFD220客显开发文件	21/06/2018 12:59	File folder	
ictures	- 🔑 veeda-lcd210a-driver-1529265369	21/06/2018 01:04	File folder	
ideos	📙 Cambridge	22/06/2018 10:56	File folder	
	SQLEXPRWT_x86_ENU_2012	13/11/2014 02:03	Application	723,064 KB
megroup	CADBioHR	06/12/2017 10:46	Windows Installer	74,617 KB
	🕞 BSSetup5-18-1	27/05/2018 05:25	Windows Installer	104,678 KB
mputer	BKCADExamApp22018_6_18_8_10_43.bak	18/06/2018 08:12	BAK File	3,502,760 KB
ocal Disk (C:)	BKCADExamApp22018_6_18_9_11_25.bak	18/06/2018 09:13	BAK File	3,709,712 KB
ocal Disk (D:)	Result Check Card 1	19/06/2018 09:29	CorelDRAW 11.0 G	20,896 KB
emovable Disk (F:)	SQLEXPRWT_x86_ENU_2008R2	21/06/2018 12:15	Application	315,844 KB

Step 2: Wait for the Windows to extract the file for installation.

Quick access	^ Name	Date mo	dified Type
C OneDrive	SQLEXPRWT_x86_EN	U_2012 11/13/20	14 2:03 PM Applica
Cheblive	SQL1	6/23/201	8 9:24 AM JPG File
📃 This PC			
E Desktop			
Documents	Extracting Files	×	
🕹 Downloads	Extracting File: 1033 enu lo\x86\s	setup/salsupport_msi/windov	
👌 Music	To Directory: d:\dc7d06a6859b3	Beb3f9e0af4fca	
Pictures			
Videos			
🏪 Local Disk (C:)			
🕳 Local Disk (D:)			
🕳 Removable Disk ((F:)		
🕳 Removable Disk (F	i)		
All Drivers			
📙 Cambridge			
CBE			
SQLPICS			
📙 System Volume Ir	nforn		
📙 veeda-Icd210a-d	river-		
	文件 🗸 🔍	4	د ۲

Step 3: Select "New SQL Server stand-alone installation or add features to an existing installation" and click Next for new installation to begins.



Step 4: You need to wait while Microsoft SQL Server 2012 processes the current operation.

Step 5: Check "I accept the licence terms" box and click Next.



Step 6. In the "Product Update" page, Click Next to proceed to the next page.



Step 7. In the "Install Setup Files" Page, Click on Install button to begin the full installation.

Elect Image Crop PResize P Resize P Notate Tools Tools Cols C	SQL Server 2012 Setup Install Setup Files SQL Server Setup will no update will also be instal	w be installed. If an update for SQL Serve	er Setup is found and specified to be included, the	×
Tools Insta Product Updates Moin Always install the latest updates to enhance Tools Resel License Terms @ SQL S	License Terms Product Updates	SQL Server Setup files are being	installed on the system.	
Cons Instal Satur Files Instal Satur Files Energy	install SECUP FIICS	Task Install Setup files	Status In Progress	
Read out.				
			< Back Install	Cancel

Step 8. Make sure you wait while Microsoft SQL Server 2012 processes the current operation.



					-	
🐞 SQL Server 2012 Setup						×
Installation Progress						
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	SqlEngineDBStartConfigActio	on_install_configrc_Cpu32				
			Next >	Cancel	Help	

Step 9. In **Feature Selection** page, make sure you click on **Select All** button to select all the Instance Features and click on **Next** button.

Note: You may click **Back** button to correct your past action.

Ceature Selection Select the Express features to	install.				
up Support Rules ature Selection	Features:		Feature descript	ion:	feach A
istallation Rules istance Configuration isk Space Requirements erver Configuration atabase Engine Configuration	Database Engine Services SQL Server Replication Shared Features Management Tools - Basic SQL Client Connectivity SDK Redistributable Features		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.		iances. ide-by-
rror Reporting			Prerequisites for selected features:		
nstallation Configuration Rules nstallation Progress Complete			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		
	Select All Unselect All				
	Shared feature directory:	C:\Program Files\Micr	osoft SQL Server\		
	Shared feature directory (x86): C:\Program Files (x8		(86)\Microsoft SQL Server\		
		< Back	Next >	Cancel	Help

Step 10. In **Instance Configuration** page, check the **Default instance** or you may select another ID by checking the Named instance and click **Next** button.

Note: Make sure you have enough Disk Space for the installation.

ks8	SQL Server 2012 Setup	n					×	
ıp - cut	Specify the name and instance Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements	ID for the instance of SQL O Default instance Named instance: Instance ID;	Server. Instance MSSQLSERVER MSSQLSERVER	ID becomes part of	the installation path.			
free	Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Instance root directory: SQL Server directory: Installed instances:	C:\Program Fil	es (x86)\Microsoft S es (x86)\Microsoft S	QL Server\ QL Server\MSSQL11.MS	SQLSERVER		
οΔV		Instance Name	Instance ID	Features	Edition	Version		
gle me				< Back	Next > Car	icel Helj	p	

Step 11. In **Server Configuration** page, just click next to load the next page.

📸 SQL Server 2012 Setup				-		×
Server Configuration Specify the service accounts an	d collation configuration.					
Setup Support Rules Feature Selection	Service Accounts Collation					
Installation Rules	Microsoft recommends that you	use a separate account for each	SQL Server servic	e.		
Instance Configuration	Service	Account Name	Password	Startup	Туре	
Disk Space Requirements	SQL Server Database Engine	NT Service\MSSQLSERVER		Automat	ic	~
Server Configuration	SQL Server Browser	NT AUTHORITY\LOCAL		Disabled		~
Error Reporting Installation Configuration Rules Installation Progress Complete						
		< Back Next	> Canc	el	Help	>

Step 12. In **Database Engine Configuration** page, you can either check "Mixed Mode (**SQL Server authentication and Windows authentication**)" and provide the password for the SQL Server system administrator account or check "**Windows authentication mode**" and configure your SQL Server Management Studio later. Click **Next** button after your option.

📸 SQL Server 2012 Setup							×
Database Engine Confi Specify Database Engine auther	guration	administrators and	data directories.				
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Server Configuration Specify the authent Authentication Mod Windows authen Mixed Mode (SQ Specify the password Enter password: Confirm password: Specify SQL Server a	Data Directories ication mode and de tication mode L Server authentica rd for the SQL Serv ••••• •••••	User Instances administrators for the Dat ation and Windows authe er system administrator (s	tabase Engine. ntication) sa) account			
	Add Current User	success)	emove	SQL S have to the	erver adm unrestrict Database	ninistrator ed access e Engine.	S
			< Back Ne:	xt > Cano	el	Help	

Step 13. Error Reporting page, click Next button to proceed to the next step.



Wait for the installation progress to be completed.

If the message about the restarting of your server appears, click **OK** button.

📸 SQL Server 2012 Setup		- 🗆 X
Complete Your SQL Server 2012 i	nstallation completed successfully.	
Setup Support Rules	Information about the Setup operatio	n or possible next steps:
Feature Selection	Feature	Status
Installation Rules	Management Tools - Basic	Succeeded
Instance Configuration	Database Engine Services	Succeeded
Disk Space Requirements	SQL Server Replication	Succeeded
Server Configuration	SQL Browser	Succeeded
Database Engine Configurat	tion 🖉 SQL Writer	Succeeded
irror Reporting		
nstallation Configuration R	ules	
nstallation Progress	Computer restart required	X
Complete	One or more affected files have oper process is completed.	rations pending. You must restart your computer after the setup
	your local computer. For more info < <u>http://go.microsoft.com/fwlink/?L</u> 224683).	rmation, see <u>Use Microsoft Books Online for SQL Server</u> inkID=224683> (http://go.microsoft.com/fwlink/?LinkID=
	······································	×
	Summary log file has been saved to th	e following location:
	<u>C:\Program Files (x86)\Microsoft SQL</u> \Summary Nji 20180623 093253.txt	Server\110\Setup Bootstrap\Log\20180623_093253
		Close Help

Step 14. Finally, on "Complete" page, click on Close button to exit the application.

🃸 SQL Server 2012 Setup		– 🗆 ×
Complete Your SQL Server 2012 installa	tion completed successfully.	
Setup Support Rules	Information about the Setup operation or	possible next steps:
Feature Selection	Feature	Status
	Management Tools - Basic	Succeeded
Instance Configuration	Oatabase Engine Services	Succeeded
Disk Space Requirements	SQL Server Replication	Succeeded
Server Configuration	SQL Browser	Succeeded
Database Engine Configuration	SQL Writer	Succeeded
Frror Reporting		
Installation Configuration Pulse		
	2	
Installation Progress		
Complete	Details:	
	Viewing Product Documentation for	r SQL Server
	Only the components that you use to been installed. By default, the Help Vi SQL Server, you can use the Help Lib your local computer. For more informa < <u>http://go.microsoft.com/fwlink/?Linklf</u> 224683).	view and manage the documentation for SQL Server have ever component uses the online library. After installing rary Manager component to download documentation to tion, see <u>Use Microsoft Books Online for SQL Server</u>)=224683> (<u>http://go.microsoft.com/fwlink/?LinkID=</u>
	Commencies Circles Incomence 14, 11, 1	Territor Incentions
	Summary log file has been saved to the fo	lowing location:
	C:\Program Files (x86)\Microsoft SQL Serv \Summary Nji 20180623 093253.txt	er\110\Setup Bootstrap\Log\20180623_093253_
		Close Help

Note: You can check how to configure SQL Server 2012 and 2008R2 in the directory

How to configure SQL Server 2008R2 and SQL Server 2012.

SQL server configuration is the process of setting the server to communicate with the software and other client(s) on the network. This is done immediately the SQL server is successfully installed.

A. Configuration setting for Windows 8, and Windows 10, these are the steps:

Step 1. Click on the Start button on the task bar, and navigate to All Apps.



Step 2. Navigate to Microsoft Server 2012 or 2008R2 and click, and then scroll down SQL Server Configuration Manager and also click.



Step 3. After it's opening, locate **SQL Server Configuration Manager (Local)** and click, and then click on **SQL Server Services**. From the right side of the screen, make sure SQL Server (MSSQLSERVER) Start Mode is automatic, if not, right click on Start Mode column and select properties.



Step 4. Click on **Service** tab and navigate to **Start Mode**, in front of Start Mode is Disabled our aim is to enable it, click on it and select Automatic. It means this service will start automatically.

Note: Do the same for SQL Server Browser, and make sure it's start mode is automatic.

SQL Server Configuration Manager (Local) SQL Server Services SQL Server Network Configuration (22)	Name SQL Server (MSS	State Running	Start Mode Automatic	Log On As NT Service\MSSQL	Process ID 2912		Service SQL Se	
> 및 SQL Server Network Configuration (32bit) > 曼 SQL Native Client 11.0 Configuration (32t	SQL Server Browser	Stopped Stopped	SQL Server Browser Propertie	-5	?	×	SQL Br	
			General Binary Path Error Control	°C:\Program Fi 1	iles (x86)\Micros	oft Si		
				Exit Code Host Name Name	1077 NJI SQL Server Bro	owser		
			Process ID SQL Service Type Start Mode	0 SQL Browser Disabled				
			State	Automatic Disabled				
				Manual				
			Start Mode The start mode of this servi	ce.				

Step 5. Then Right click on the SQL Server (MSSQLSERVER) and click **Start** to start the service. Likewise, right click on SQL Server Browser and start the service.

Note: The progress bar is going to be displayed showing the service is starting.



Step 6. Click on that small arrow by the side of SQL Server Network Configuration and navigate

to Protocols for MSSQLSERVER and click.

🕨 🏟 🖄 🖾 🙆 🔂 👔			
SQL Server Configuration Manager (Local) SQL Server Services SQL Server Network Configuration (32bit Protocols for MSSQL SERVER SQL Native Client 11.0 Configuration (32bit)	Protocol Name Shared Memory Named Pipes	Status Enabled Disabled Disabled	

Step 7. Then right click on **Shared Memory** under status and click **Enable**, Right click on **Named Pipes** also and click **Enable** and also TCP/IP.



Note: A Warning dialog box will appear, "saying all changes will be saved and demanding you to restart your computer" Click OK button, make sure you enable the protocols and restart your system.

Configuration setting for Windows 7

C. Configuration setting for Windows 7.

These are the steps:

Step 1. Click on the Start button on the task bar, and navigate to All Programs.



Step 2. Scroll down to **Microsoft SQL Server 2008 R2** and click, and then navigate to **Configuration Tools** and click.

Step 3. Then click on **SQL Server Configuration Manager** to open the interface.



Step 4.

We need to make Start Mode automatic. Just click on **SQL Server Services** and navigate to **SQL Server (SQLEXPRESS)** and right click on the Start Mode column, and click on its **Properties**

Sql Server Configuration Manager		1000				
File Action View Help						
SQL Server Configuration Manager (Local)	Name	State	Start Mode	Log On As		Process ID
□ SQL Server Network Configuration ▶ □ SQL Native Client 10.0 Configuration	SQL Server (SQLEXPRESS) SQL Server (MSSQLSERVER) SQL Server Agent (SQLEXPRESS) SQL Server Browser SQL Server Agent (MSSQLSERVER)	Stopped Stopped Stopped Stopped	Other (Boc Other (Boc Other (Boc Other (Boc	Note NT AUTHORT Start Stop Pause Resume Restart Properties Help	Y\NE Y\NE Y\LO Y\LO	0 0 0 0

Step 5. Click on **Service** tab and navigate to **Start Mode**, in front of Start Mode is Disabled our aim is to enable it, click on it and select Automatic. It means this service will start automatically. Then click on **Apply** button and **OK** Button to save your actions. Do the same for SQL Server (MSSQLSERVER) and SQL Server Browser.



Note: The interface will look like this after the start mode for SQL Server (SQLEXPRESS), SQL Server (MSSQLSERVER) and SQL Server Browser are pu in automatic

File Action View Help					
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SQL Server Configuration Manager (Local)	Name	State	Start Mode	Log On As	Process II
SQL Server Services	SQL Server (SQLEXPRESS)	Stopped	Automatic	NT AUTHORITY\NE	0
SQL Server Network Configuration	SQL Server (MSSQLSERVER)	Stopped	Automatic	NT AUTHORITY\NE	0
SQL Native Client 10.0 Configuration	SQL Server Agent (SQLEXPRESS)	Stopped	Other (Boot, Syste	NT AUTHORITY\NE	0
	SQL Server Browser	Stopped	Automatic	NT AUTHORITY\LO	0
	SQL Server Agent (MSSQLSERVER)	Stopped	Other (Boot, Syste	NT AUTHORITY\NE	0

Step 6. Right click on the SQL Server (SQLEXPRESS) under the **State** column to start it's service. Likewise, right click on SQL Server (MSSQLSERVER) and start the service, and SQL Server Browser.

Sql Server Configuration Manager						- O X
File Action View Help						
😵 SQL Server Configuration Manager (Local)	Name	State	Start Mode	1	Log On As	Process ID
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 J.g. SQL Server Network Configuration J. SQL Native Client 10.0 Configuration 	SQL Server (MSSQLSERVER) SQL Server Agent (SQLEXPRESS) SQL Server Browser SQL Server Agent (MSSQLSERVER)	Stopi Runr Stopi	Start Stop Pause Resume Restart Properties Help	tem, Di tem, Di	NT AUTHORITY/NE NT AUTHORITY/NE NT AUTHORITY/LO NT AUTHORITY/NE	0 0 3320 0

Note: Immediately you click start, the progress bar is going to be displayed showing the service is starting.

Sql Server Configuration Manager					- - x
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🛞 SQL Server Configuration Manager (Local)	Name	State	Start Mode	Log On As	Process ID
SQL Server Services	SQL Server (SQLEXPRESS)	Stopped	Automatic	NT AUTHORITY\NE	0
SQL Server Network Configuration	SQL Server (MSSQLSERVER)	Stopped	Automatic	NT AUTHORITY\NE	0
SQL Native Client 10.0 Configuration	SQL Server Agent (SQLEXPRESS)	Stopped	Other (Boot, System, Di	NT AUTHORITY\NE	0
	👼 SQL Server Browser	Running	Automatic	NT AUTHORITY\LO	3320
	SQL Server Agent (MSSQLSERVER)	Stopped	Other (Boot, System, Di	NT AUTHORITY\NE	0
SQL S	erver Configuration Manager)		
	Starting ser	vice			
	Close]		

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Step 7. Click on that small arrow by the side of SQL Server Network Configuration and navigate to **Protocols for MSSQLSERVER** and click

Sql Server Configuration Manager			
File Action View Help			
	<u>1</u> 20		
SQL Server Configuration Manager (Local)	Protocol Name	Status	
SQL Server Services Q. SQL Server Network Configuration Protocols for MSSQLSERVER Protocols for SQLEXPRESS SQL Native Client 10.0 Configuration	শ্ব Shared Memory শ্ব Named Pipes শ্ব TCP/IP শ্ব VIA	Disabled Disabled Disabled	

Step 8. Then right click on Shared Memory under status and click Enable, Right click on Named Pipes also and click Enable and also TCP/IP.

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SQL Server Configuration Manager (Local)	Protocol Name	Status		
SQL Server Services	Shared Memory	Disab		
SQL Server Network Configuration	Vamed Pipes	Disab	Enable	
= Protocols for SOLEXPRESS	TCP/IP	Disab	Disable	
▷ 勇 SQL Native Client 10.0 Configuration	AIV	Disab	Properties	
			Help	

Note: Immediately you are starting the protocol, there will be a warning telling you that the changes will be saved... Just click **OK** button and move on to the second protocol and click enable, also make sure you enable TCP/IP. You may not enable VIA.



Step 9. And Finally, click on **Protocols for SQLEXPRESS**, then on the right side of the screen, make sure you enable Named Pipes and TCP/IP or you enable all the protocols except VIA by right clicking them and enable the protocols as you did with the Protocols for MSSQLSERVER.

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	Protocols for SQLEXPRESS		D	Enable		
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tion				Properties		
				Help]	
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Then click on Close button to exit the interface.

Business Sensor Installation

To install the BS Software, follow these steps:

Step 1: Double click on the Business Sensor setup file(BSSetup) for installation

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Organize 🔹 🔂 Install 💌	Share with 👻 New folder) · · · ·	0
🚖 Favorites	Name	Date modified	Туре	Size
📃 Desktop	過 BSSetup5.msi	06-Jul-2015 8:29 AM	Windows Installer	68
🔛 Recent Places	CRRuntime_32bit_13_0_6.msi	22-May-2013 6:23	Windows Installer	75
🚺 Downloads	聞 dotNetFx40_Full_x86_x64.exe	18-Mar-2010 7:44	Application	49
😌 Dropbox	SQLEXPRWT_x86_ENU_2008R2.exe	27-Mar-2092 10:33	Application	315
と Google Drive				
🗃 Libraries				
Documents				
👌 Music				
E Pictures				
Videos				
Computer				
🏭 Win7 (C:)				
😋 Win8 (D:)				
🗣 Network				
		m	N	
BSSetup5.msi	Date modified: 06-Jul-2015 8:29 AM Date	e created: 13-Aug-2015 6:00	I PM	
Windows Installer Pack	age Size: 66.5 MB			

Step 2: Click on Next button to start the installation.



Step 3: You can select where your installation file will be located by typing-in the file path or clicking the Browse button to select the file path for the installation. Note: Make sure "**Everyone**" is checked. Click Next button to proceed or Back button if you have any correction to make.



Step 4: On the Confirm installation page, click on the Next button to start the installation.



Step 5: After the installation, click on the "Close" button to exit the installation page.



How To Start Business Sensor

Step 1

(a) On the desktop, double click on Business Sensor shortcut icon on desktop.

or

(b) i: On the task bar, click on start button

ii: Click on All Programs or All Apps depending on the Windows version

iii: Locate Business Sensor and click.

Step 2: Business Sensor Database setup dialog page pops up, then,

a: Click on the Refresh button to list all the servers name on the network or your computer.

b: Select Server Name from the list (i.e. the name you supplied when you were installing SQL Server.)

c: For server system, make sure that the "This Computer is my Server Computer" is checked.

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Step 3: Click on the "**Create New Company**" button to create your organization. A dialog box appears asking about your assurance; just click on the "**Yes**" button to continue.

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Step 4: Type-in your organization name and select the location for your database from "**Select Data Folder Directory**" and Click on the Ok button to continue.

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elect Server Name:	HYRINS-PC +	Refresh 🚱
Irganization		Test Connection 🛃
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Organization Name:	TRAINING1	
Data Folder:		
Data Folder:	Set Da	ta Folder Directory

Step 5:

From the poped up dialog box (Browse for folder) select from the directories listed orclick on the **Make New Folder** button to create your organisation folder, and click on the Ok button to

continue.



The organization's name will be displayed in the "Organisation" field, then, click on the Ok button to start your Business Sensor software.

BusinessSensor Data	base Setup		Y	~
Server Information				
Select Server Name: Organization	This Computer is my Server Computer			r
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For how to download Business Sensor, refer to Introduction.

Registration or Licensing