

## Install MS SQL Server 2012 Express Edition

Sohodox now works with SQL Server Express Edition. Earlier versions of Sohodox created and used a MS Access based database for storing indexing data and other information about the files you have added. To support the new features in version 9 and to support features planned for the future we decided to move a more robust database. Microsoft SQL Server Express is free to use and uses the same technology as Microsoft SQL Server which is an Enterprise grade database used for mission critical applications.

This change means better performance and reliability. Also for customers who have been using Sohodox for years, it means a much higher database size limit than MS Access.

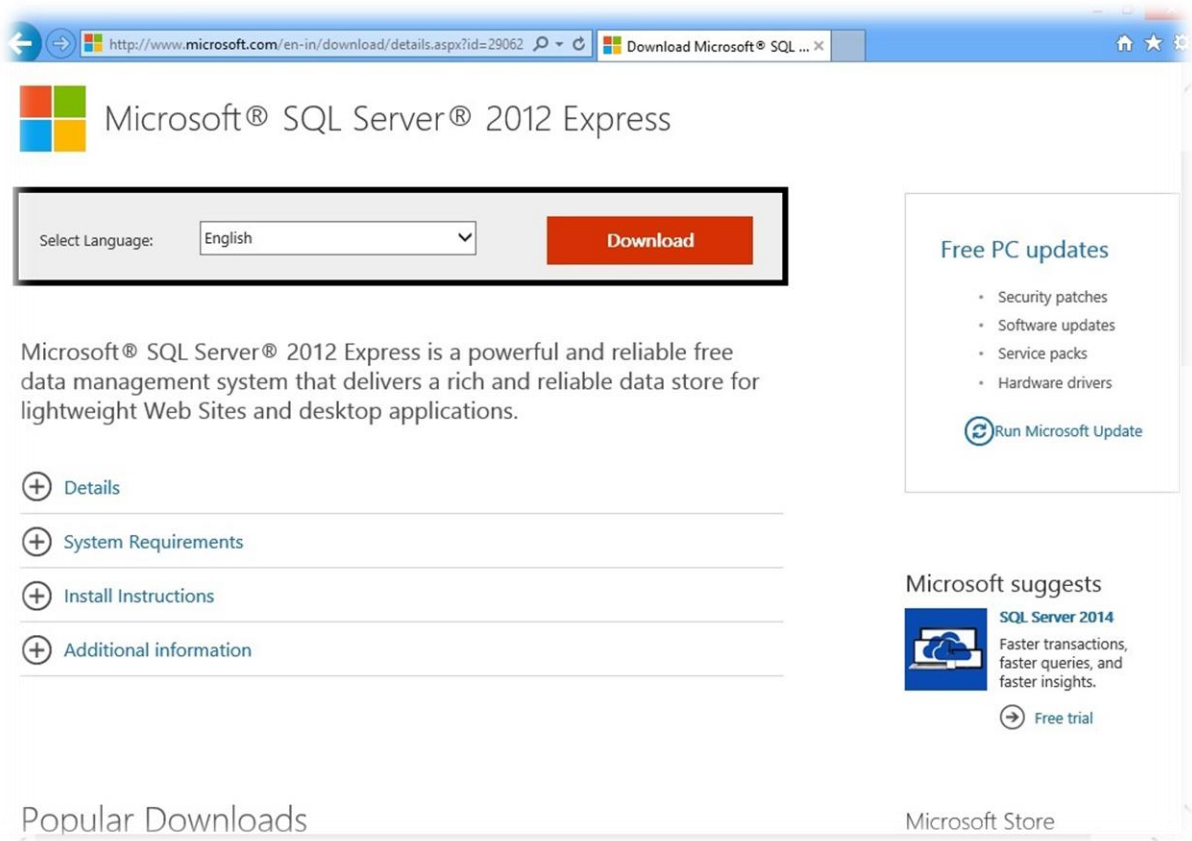
Upgrading from an older version of SOHODOX to Version 9 and above is simple. The only pre-requisite is that you need the MS SQL Server 2012 Express Edition or MS SQL Server 2008 Express Edition. We prefer MS SQL Server 2012 Express Edition because this version provides a smoother experience with SOHODOX. Here is how you can do install it!

**Please note you only need to install MS SQL Server Express Edition on the one machine on which SOHODOX is installed in SERVER MODE.**

In case you already have MS SQL Server 2008/2012 Express Edition installed on the machine, please [click here](#) to skip the below instructions and jump to instructions about adding a new instance.

## 1. Download the File

Check if your version of Windows is 32-bit or 64-bit and download the appropriate installation file from Microsoft's website - <http://www.microsoft.com/en-in/download/details.aspx?id=29062>. See the screenshots below for the file that you need to download.



## For machines running a 64-bit version of Windows

Choose the download that you want

**For 64 Bit Machines**

<input type="checkbox"/> File Name	Size
<input checked="" type="checkbox"/> ENU\x64\SQLEXPR_x64_ENU.exe	132.3 MB
<input type="checkbox"/> ENU\x64\SQLEXPRADV_x64_ENU.exe	1.3 GB
<input type="checkbox"/> ENU\x64\SQLEXPRWT_x64_ENU.exe	669.9 MB
<input type="checkbox"/> ENU\x64\SqlLocalDB.MSI	33.0 MB
<input type="checkbox"/> ENU\x64\SQLManagementStudio_x64_ENU.exe	600.2 MB

Download Summary:

1. ENU\x64\SQLEXPR\_x64\_ENU.exe

**Total Size: 132.3 MB**

Next

## For machines running a 32-bit version of Windows

Choose the download that you want

<input type="checkbox"/> File Name	Size
<input type="checkbox"/> ENU\x64\SQLManagementStudio_x64_ENU.exe	600.2 MB
<input checked="" type="checkbox"/> ENU\x86\SQLEXPR_x86_ENU.exe	116.7 MB
<input type="checkbox"/> ENU\x86\SQLEXPR32_x86_ENU.exe	101.5 MB
<input type="checkbox"/> ENU\x86\SQLEXPRADV_x86_ENU.exe	1.3 GB
<input type="checkbox"/> ENU\x86\SQLEXPRWT_x86_ENU.exe	706.1 MB

Download Summary:

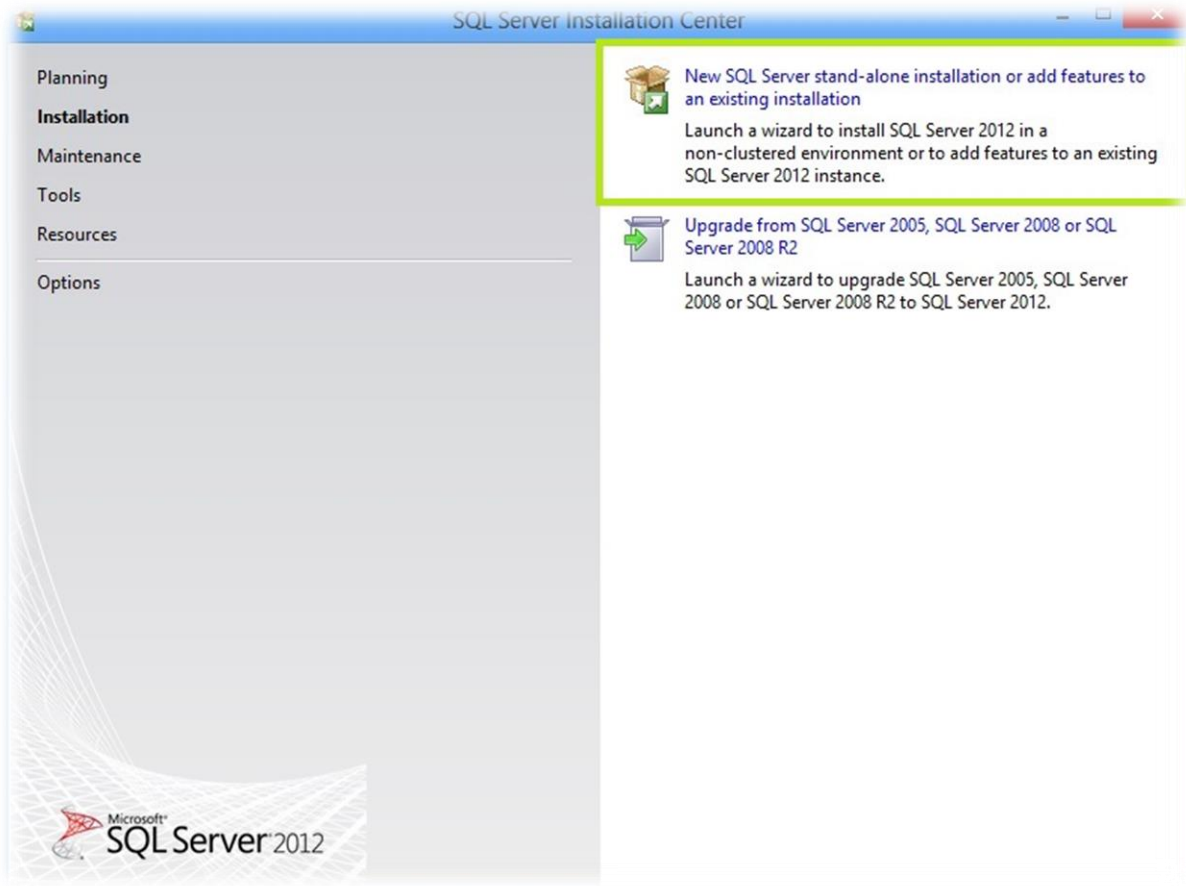
1. ENU\x86\SQLEXPR\_x86\_ENU.exe

**Total Size: 116.7 MB**

Next

## 2. SQL Server Installation

Once the file is download, run it. SQL Server Installation Centre will open up. Click on 'New SQL Server stand-alone installation or add features to an existing installation' at the right panel.



## 3. Setup Support Rules

The next screen that opens up is Setup Support Rules. A basic test will run to check if your system has all the basic requirements. If anything is lacking, it will show in red. Fix the problem and click on next.

## 4. License Terms

A screen called License Terms will appear. Go through the license agreement and check on 'I accept the license terms'. Click on Next.

## 5. Product Update

Check the 'Include SQL Server product update' check box, select the update in the column and move on to click Next.

## 6. Install Setup Files

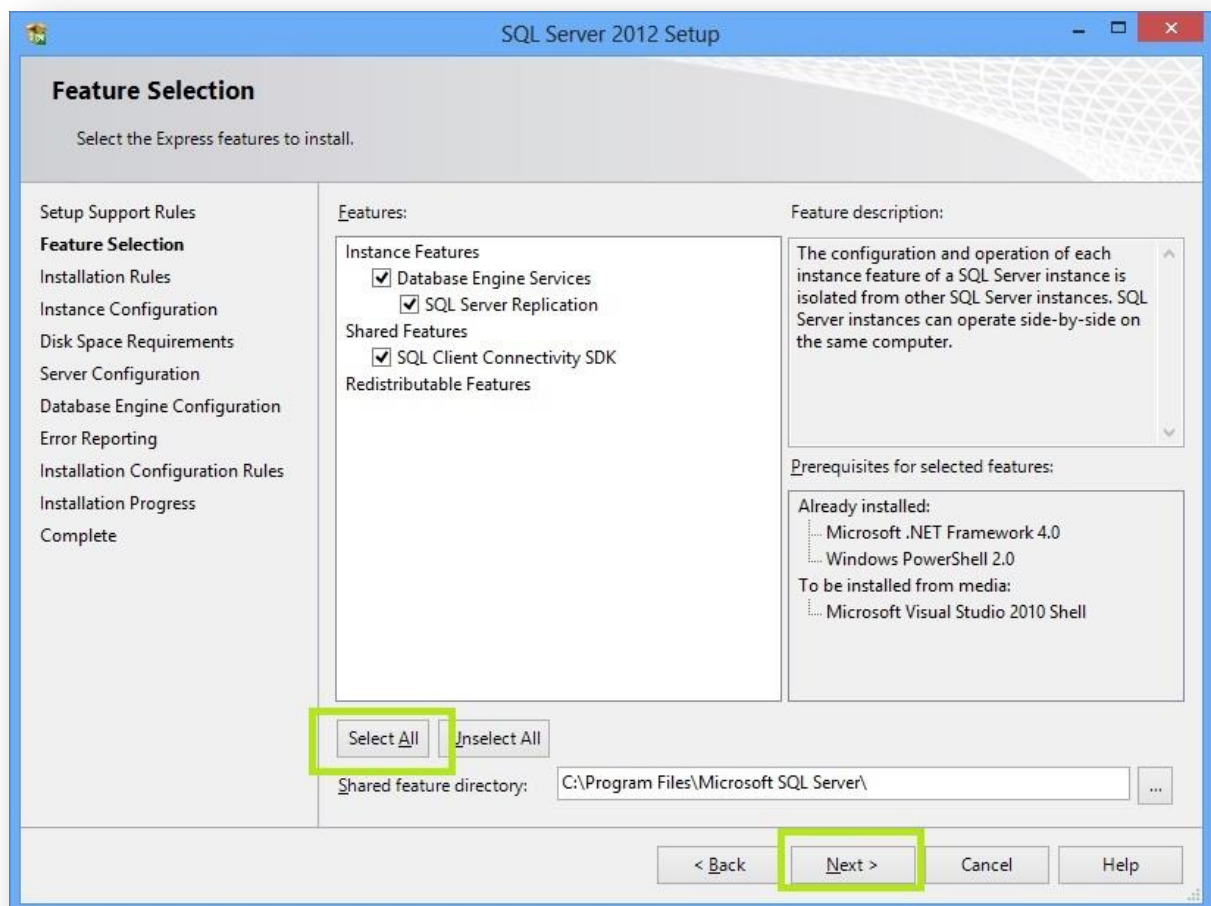
A download bar would have appeared and files will start downloading. Once they finish downloading, the setup will minimise and a fresh one will come up.

## 7. Setup Support Rules

Once again, Setup Support Rules opens up and another check will run through ensuring your system meets the requirements. If all are passed, Click on Next.

## 8. Feature Selection

MS SQL Server 2012 Express Edition offers a variety of features. There will be a detailed description of each on the right side. Select All the features as shown below. Click on Next when you're done.

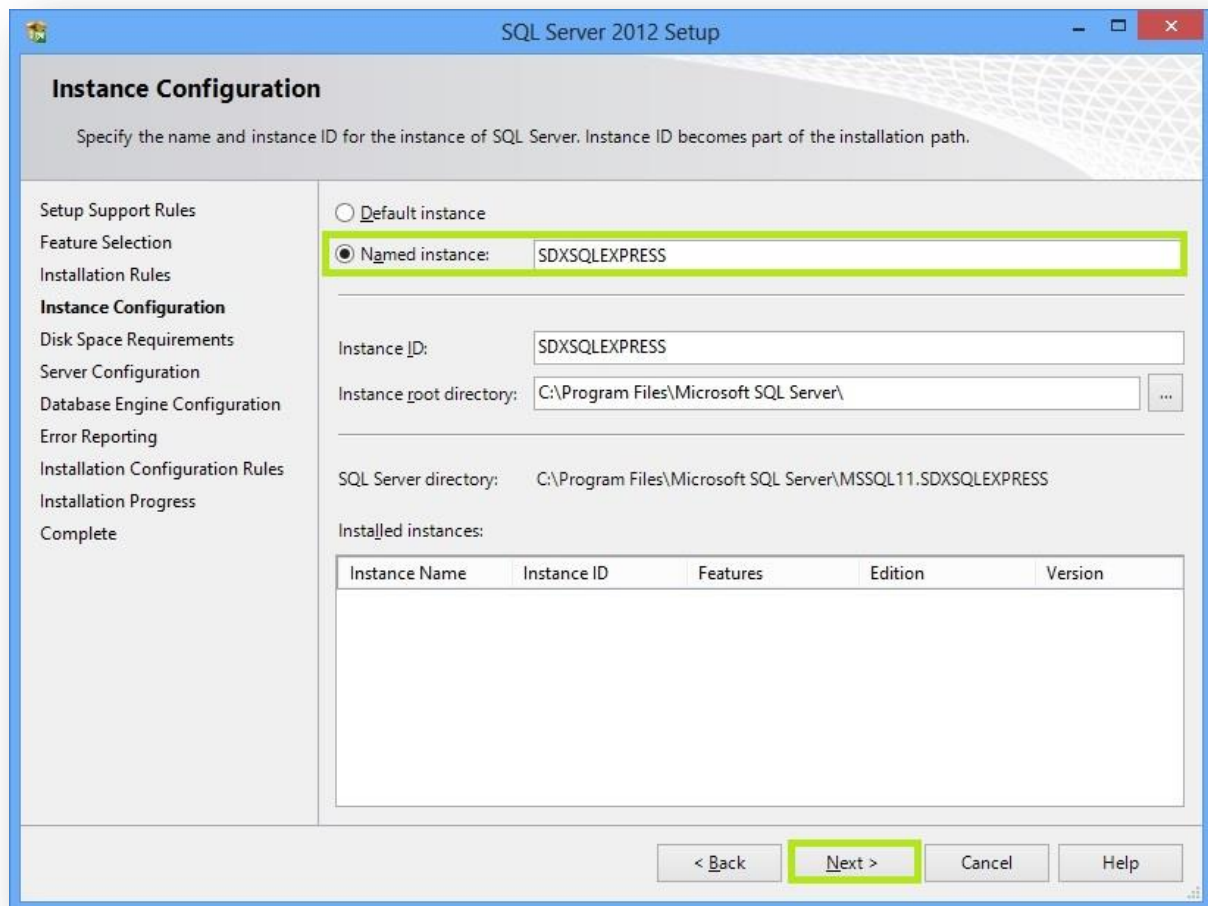


## 9. Installation Rules

Installation Rules show any features that need to be updated. Select them and hit Next.

## 10. Instance Configuration

In the Instance Configuration window, select Named Instance and type in – SDXSQLEXPRESS as shown below. Click on 'Next' to continue with the Installation process



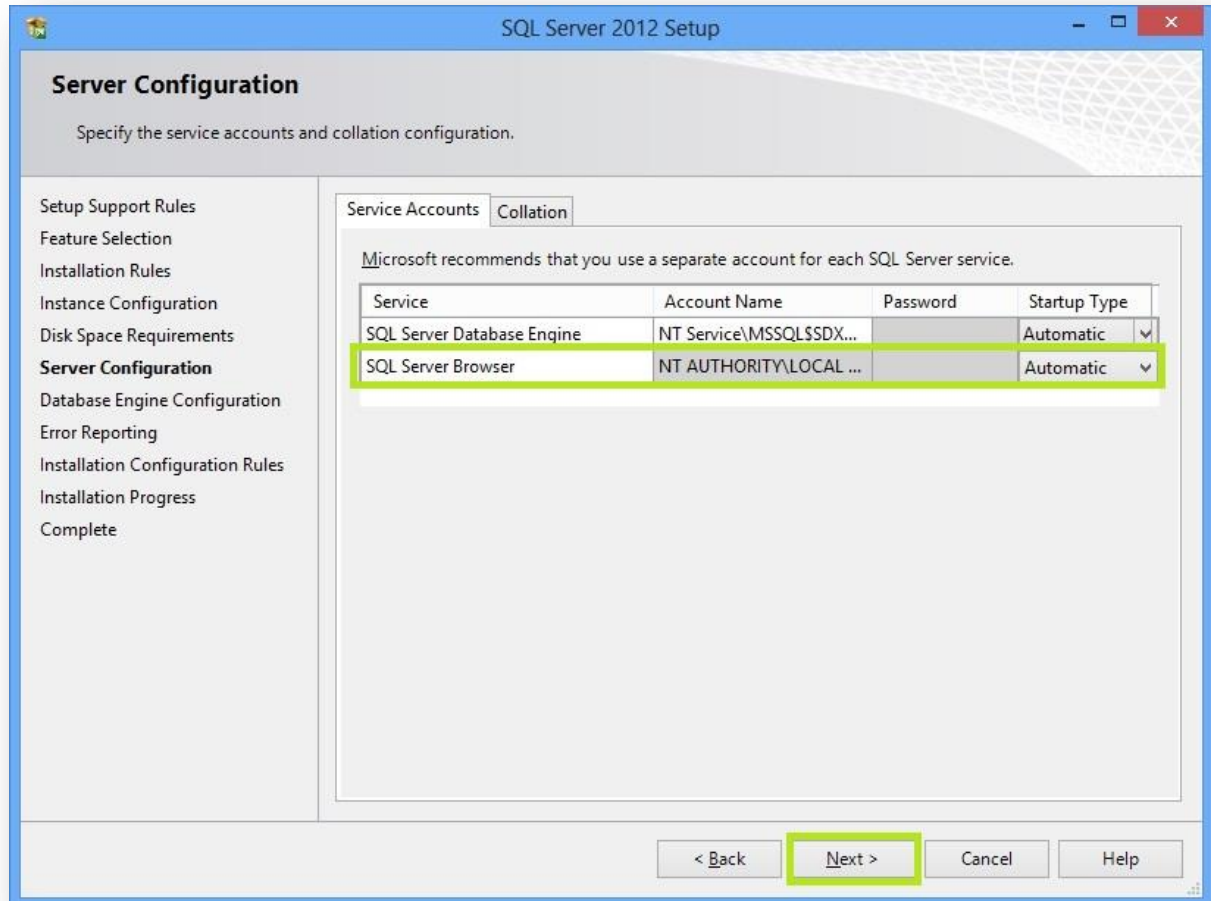
## 11. Disk Space Requirements

The next screen basically informs you how much space the server will occupy and if you have enough. Click on Next.

## 12. Server Configuration

Under the Service Configuration screen, there are two tabs – Service Accounts and Collation.

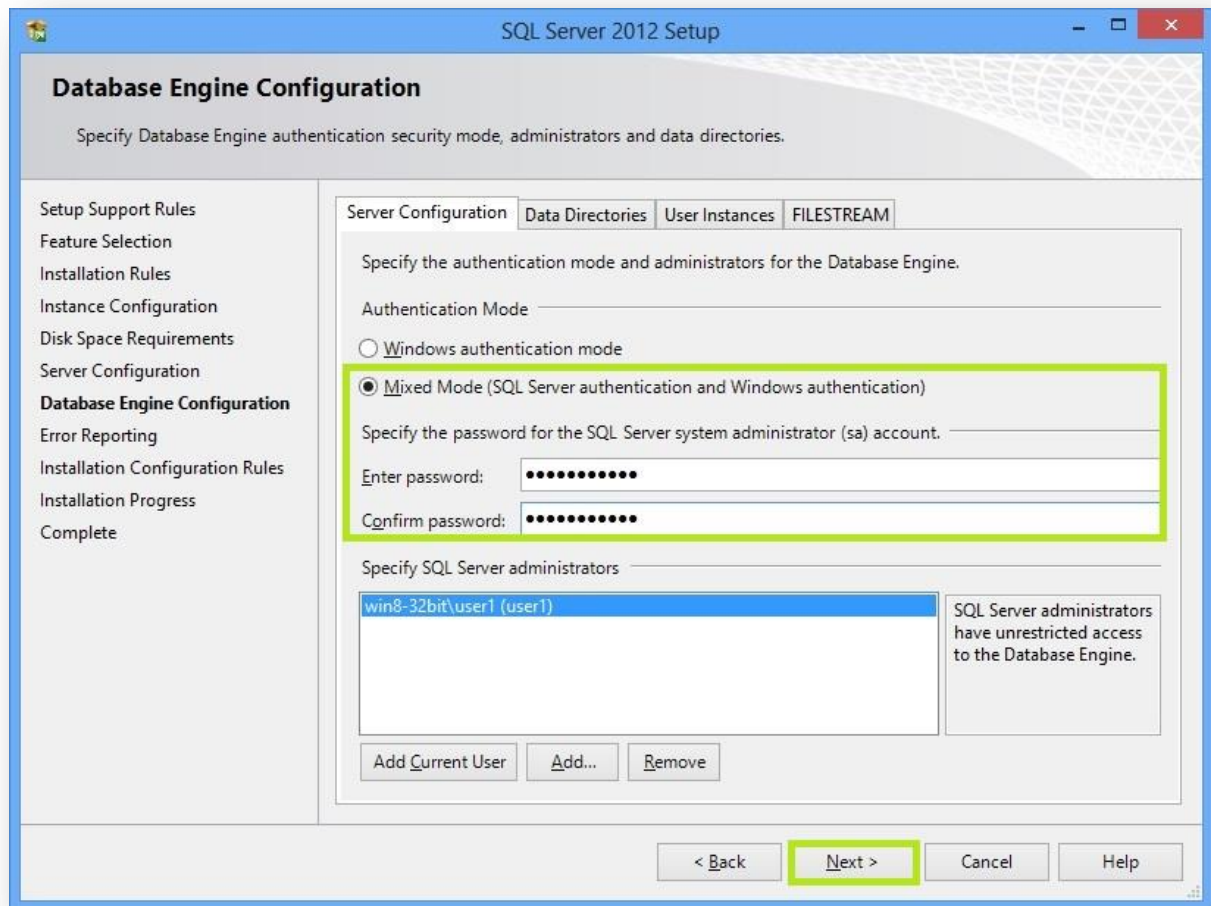
You need to change the Start up type for your SQL Server Browser to 'Automatic'. Click on Continue



## 13. Database Service Configuration

This screen presents three tabs – Server Configuration, Data Directories, User Instances and FILESTREAM.

Select Mixed Mode and type in your password for the default 'sa' user. **Please make a note of this password as you will need it at a later step.** For best security, the password should be 8 characters long and include numbers and alphabets. Click on Next to continue.



## 14. Error Reporting

If you check the box, MS SQL Server will send any error reports back to Microsoft. Select Next and proceed to the next step.

## 15. Installation Progress

The Setup is almost over. The next screen shows you an installation bar which shows you the install progress. This usually takes a few minutes.

## 16. Complete

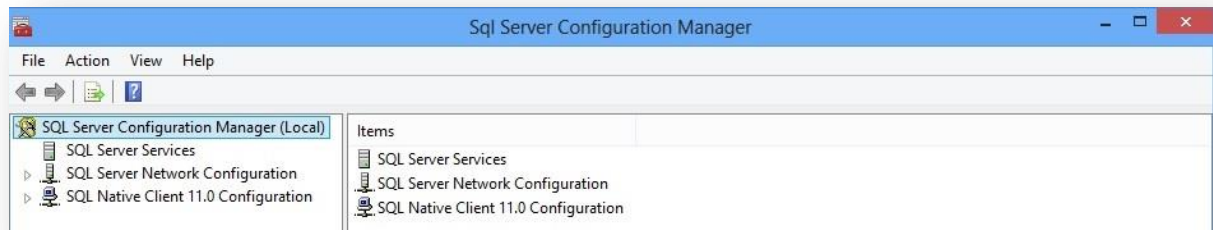


This is the last screen that you will come across. Click on the Finish button.

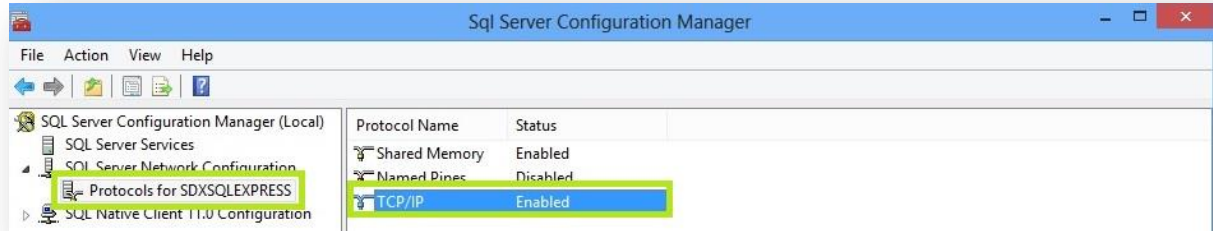
## 17. Configure SQL For SOHODOX

Now that you have finished with SQL 2012 setup, you must configure it for SOHODOX. Without this step, SOHODOX won't function properly.

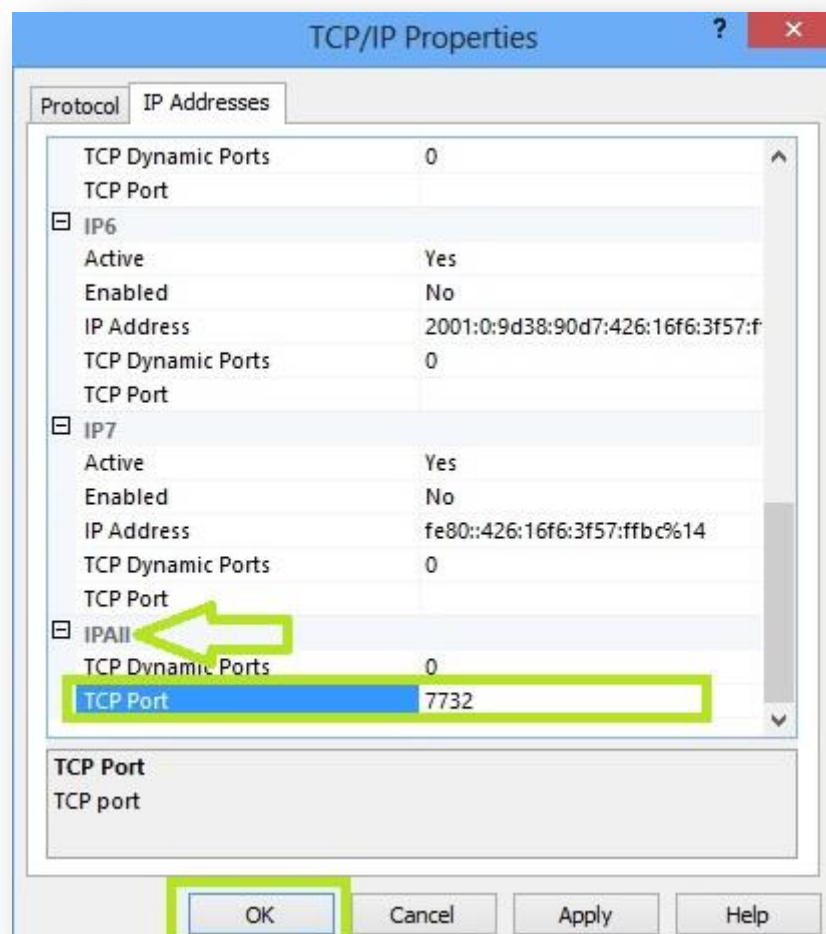
- Open SQL Server Configuration Manager from Start>Programs.



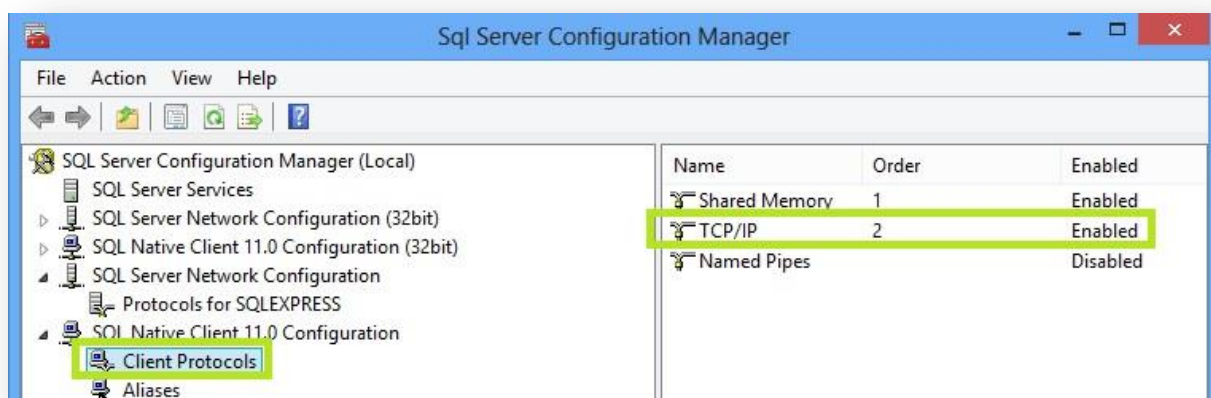
- Click on 'SQL Server Network Configuration' on the left panel and you will see the window expand.
- Select Protocols for SDXSQLEXPRESS.
- On the right panel, select TCP/IP. Ensure it is set to 'Enabled'.



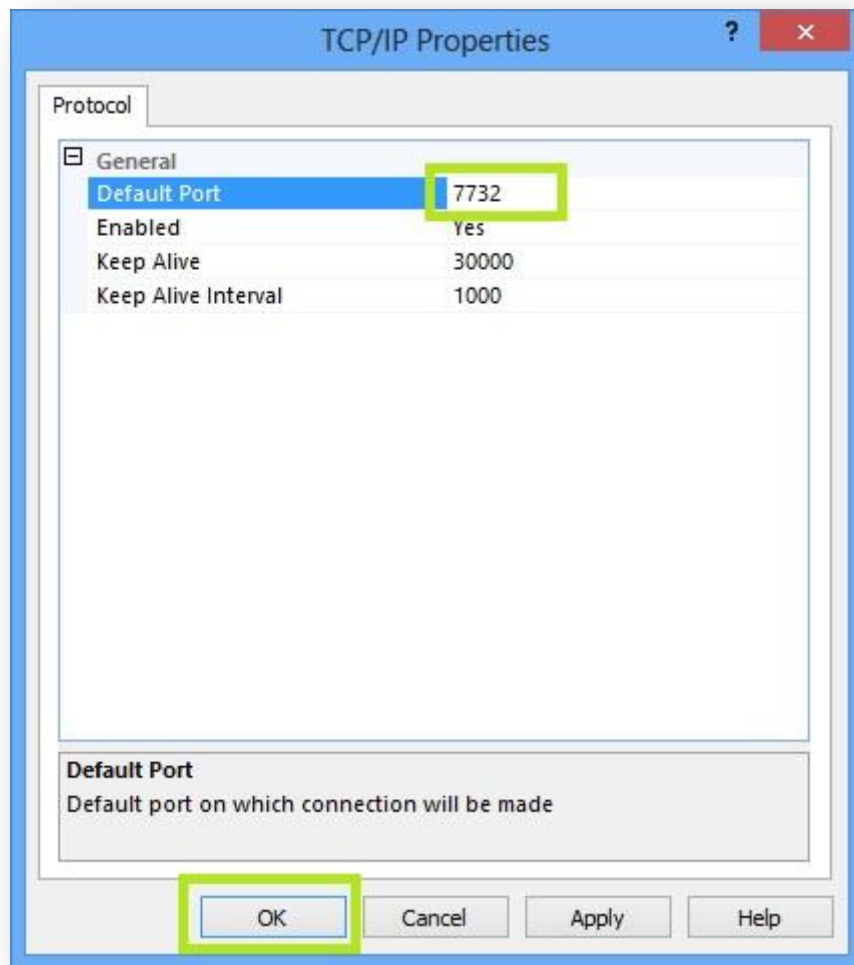
- Now, double click on the 'TCP/IP'. The 'TCP/IP Properties' dialog will pop up.
- Click on the 'IP Addresses' tab. Expand 'IPAll' header and set the 'TCP Port' to '7732'.



- Click on OK to close the dialog.
- Select 'Client Protocols' under SQL Native Client 11.0 Configuration.



- Now, double click on the 'TCP/IP'. The 'TCP/IP Properties' dialog will pop up.



- Make sure, the Default Port is set to '7732'. Click on OK to save the changes.
- Now, select the 'SQL Server 2012 Services' node in the left panel.
- Now, select the SQL Server (SDXSQLEXPRESS) option to the right.
- Click on the Action > Restart menu option to restart SQL Server.

## 18. Add a Firewall Exception for SOHODOX

Before you can use SOHODOX, you have to add in a Firewall Exception. For this, you will have to open the Firewall window.

- Click on Start > Control Panel. In the Control Panel window, you will find Windows Firewall, click on it and a new window will open.
- On the right panel, click on Advanced Setting and another window will open labelled – Windows Firewall with Advanced Security.
- Select Inbound Rules on left panel.
- Then, on the left panel, click on New Rule. A new window called – New Inbound Rule Wizard will open.
- Ensure the Rule Type is selected as Port and click on Next.

- On the next screen, check that TCP is selected. Also, select 'Specific local ports' and type in the number – 7732. Click on Next.
- On the next screen, ensure that 'Allow Connections' is selected and select Next.
- The next screen will ask you the type of connect. Make sure 'Private' or 'Domain' is marked based on how your network security is set up.
- The final screen asks for a Name and Description. Both the Name and Description should be Sohodox\_SQL\_Port.
- Click on Finish.

## 19. Restart

There is just one more step remaining. You have to restart your computer.

## 20. You're now Ready to Upgrade

Now that you have MS SQL 2012 Express, you can upgrade to SOHODOX Version 9. Run the SOHODOX Update Setup and it will automatically check for MS SQL 2012 Server Express Edition and proceed to upgrading your system. Instructions for this can be found [here](#).

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### Update your MS SQL 2012 or 2008 for SOHODOX

If you already have MS SQL 2012 or 2008 express editions, all that remains is to update it and make it compatible for SOHODOX. All you have to do is add another Named Instance to use SOHODOX. Here's how you can do it for MS SQL 2012 Express Edition...

#### 1. Download MS SQL 2012 Installation file

If you don't have your MS SQL 2012 installation file, you'll have to download it from Microsoft's site - <http://www.microsoft.com/en-in/download/details.aspx?id=29062>. Once you've done that, open the installation up.

#### 2. Adding another Named Instance

1. In the **Instance Configuration** window, select Named Instance and type in – SDXSQLEXPRESS.
2. Next, you have to go to the **Server Configuration** window. You need to change the Start up type for your SQL Server Browser to 'Automatic'. Click on Continue.
3. **Database Service Configuration** window is the final step. Select Mixed Mode and type in your password. Stick to a password of 8 characters for best security.

#### 4. Complete

This is the last screen that you will come across. Click on the Finish button.

## 5. Configure SQL with SOHODOX

Now that you have finished with SLQ 2012 setup, you must configure it with SOHODOX. Without this step, SOHODOX won't function properly.

- Open SQL Server Configuration Manager from Start>Programs.
- Click on 'SQL Server 2012 Network Configuration' on the left panel and you will see the window expand.
- Select Protocols for SDXSQLEXPRESS.
- On the right panel, select TCP/IP. Ensure it is to 'Enabled'.
- Now, double click on the 'TCP/IP'. The 'TCP/IP Properties' dialog will pop up.
- Click on the 'IP Addresses' tab. Expand 'IPAll' header and set the 'TCP Port' to '7732'.
- Select 'Client Protocols' under SQL Native Client 11.0 Configuration.
- Now, double click on the 'TCP/IP'. The 'TCP/IP Properties' dialog will pop up.
- Make sure, the Default Port is set to '7732'. Click on Ok to save the changes.
- Select the 'SQL Server 2012 or 2008 Services' node in the left panel.
- Now, select the SQL Server (SDXSQLEXPRESS) option to the right.
- Click on the Action > Restart menu option to restart SQL Server.

## 6. Add a Firewall Exception for SOHODOX

Before you can use SOHODOX, you have to add in a Firewall Exception. For this, you will have to open the Firewall window.

- Click on Start > Control Panel. In the Control Panel window, you will find Windows Firewall, click on it and a new window will open.
- On the right panel, click on Advanced Setting and another window will open labelled – Windows Firewall with Advanced Security.
- Select Inbound Rules on left panel.
- Then, on the left panel, click on New Rule. A new window called – New Inbound Rule Wizard will open.
- Ensure the Rule Type is selected as Port and click on Next.
- On the next screen, check that TCP is selected. Also, select 'Specific local ports' and type in the number – 7732. Click on Next.
- On the next screen, ensure that 'Allow Connections' is selected and select Next.
- The next screen will ask you the type of connect. Make sure 'Public' is marked.
- The final screen asks for a Name and Description. Both the Name and Description should be Sohodox\_SQL\_Port.
- Click on Finish.

## 7. Restart

It's still not over. The last step is that you have to restart your computer.

## 8. You're Ready to Upgrade

Now that you have MS SQL, you can upgrade to SOHODOX Version 9. Run the SOHODOX Update Setup and it will automatically check for MS SQL Server Express Edition and proceed to upgrading your system. Instructions for this can be found [here](#).