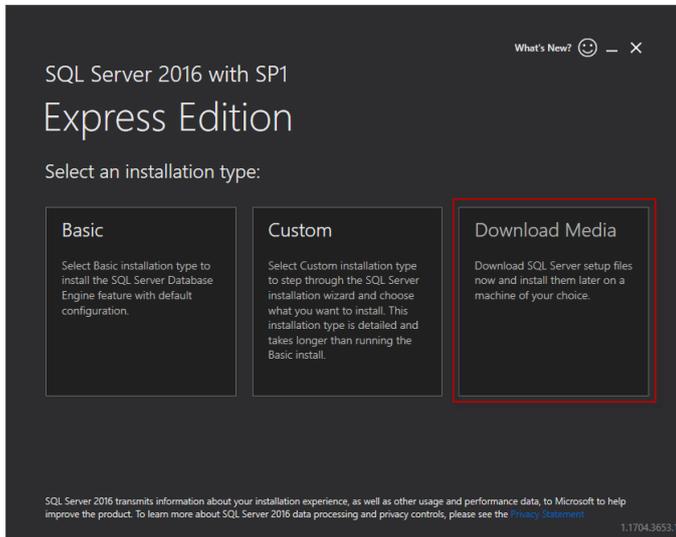


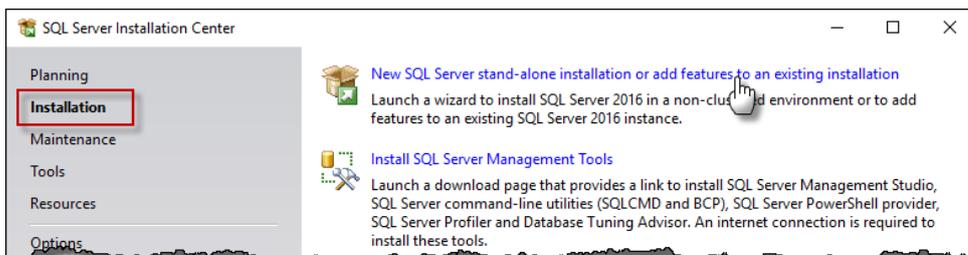
CSA Expert Relocation – Database Backup

A. Installation of SQL Server Express

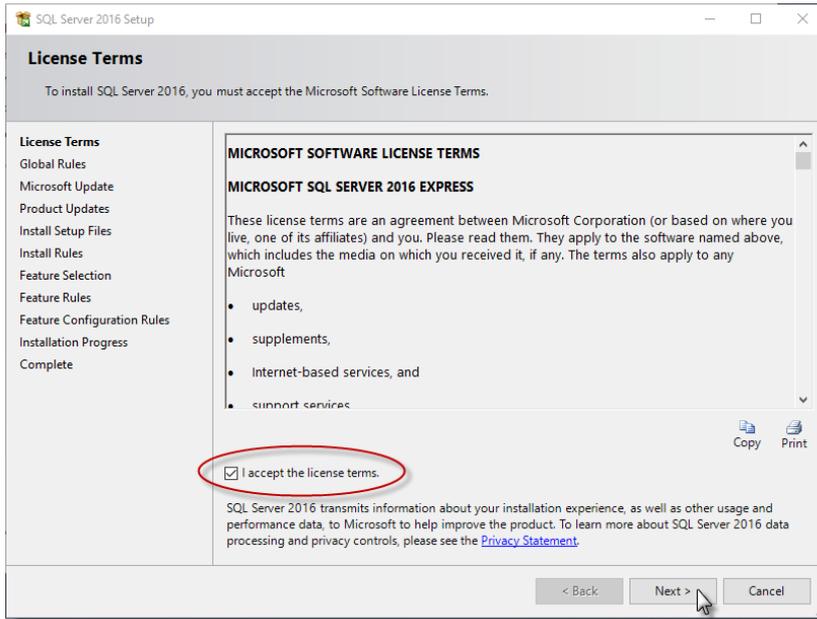
1. Download the SQL Server Express from Microsoft.com then run it.
2. Select “Download Media”.



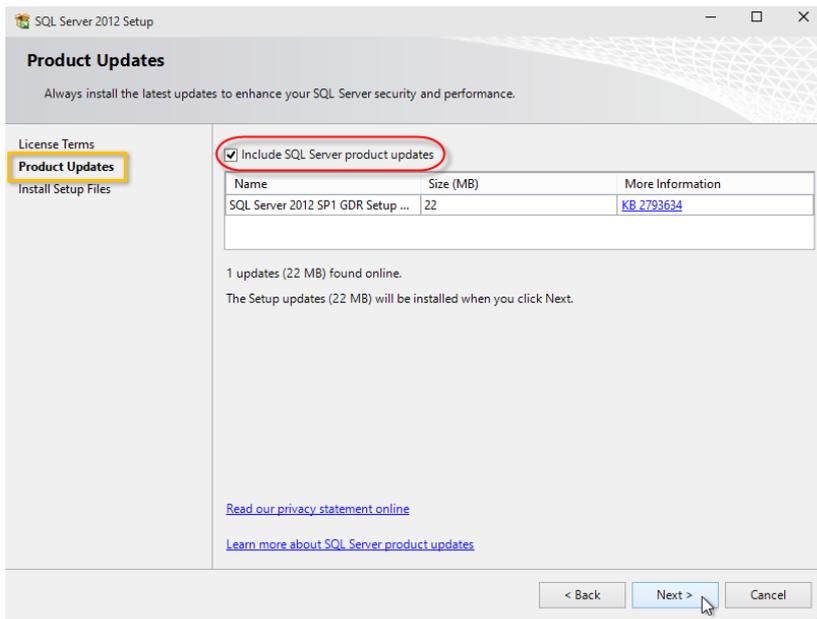
3. Select language, download location and package “Express Core”.
4. Double-click the downloaded file to start installation.
5. Click “Installation” on the left side.
6. Select “New SQL Server Stand-alone installation or add features to an existing installation” on the right side.



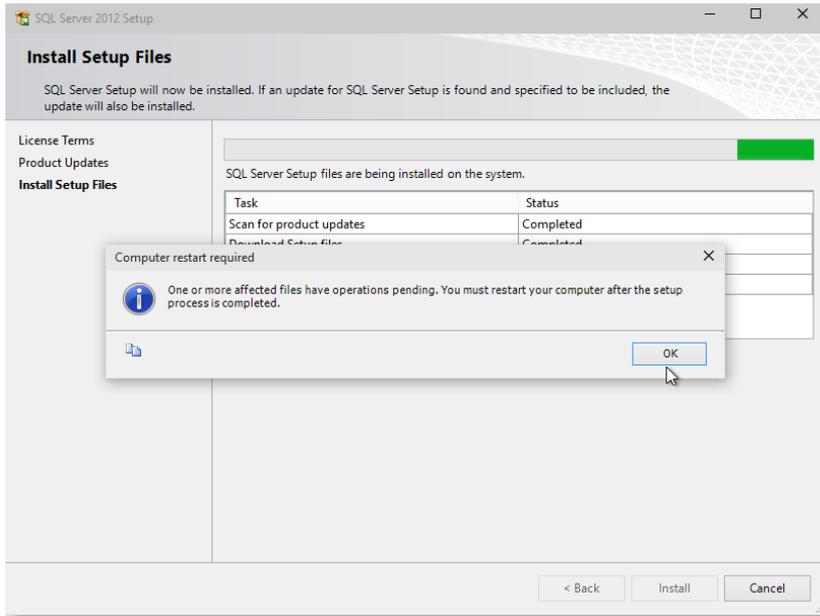
7. Accept the License Terms, then click [Next >] to continue.



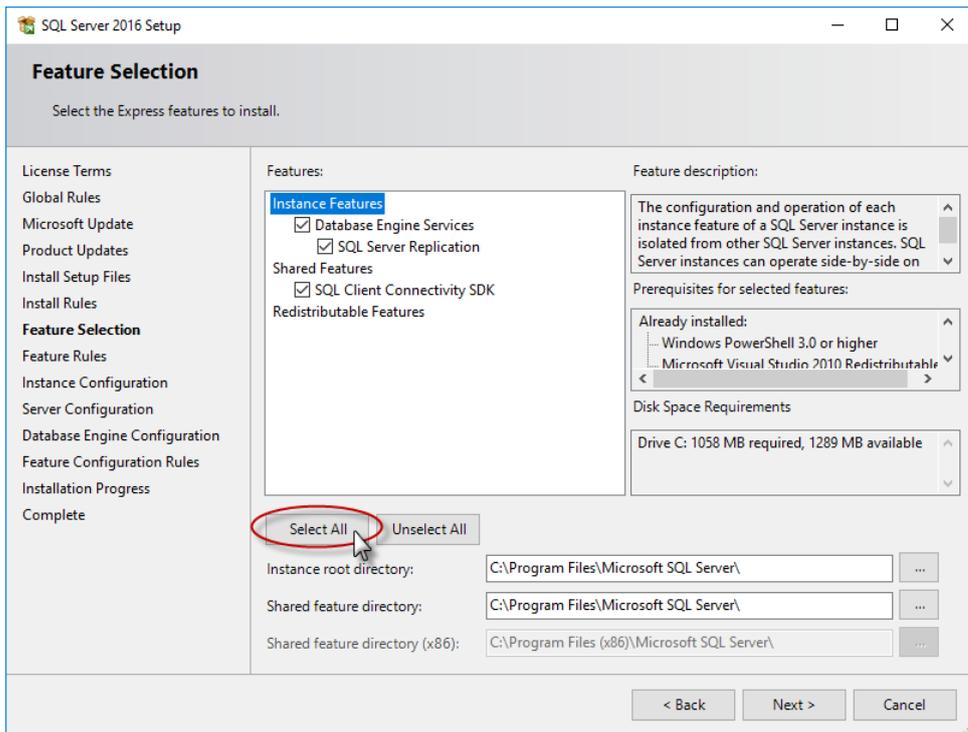
8. Select "Product Updates", check the box "Include SQL Server product updates", then click [Next >].



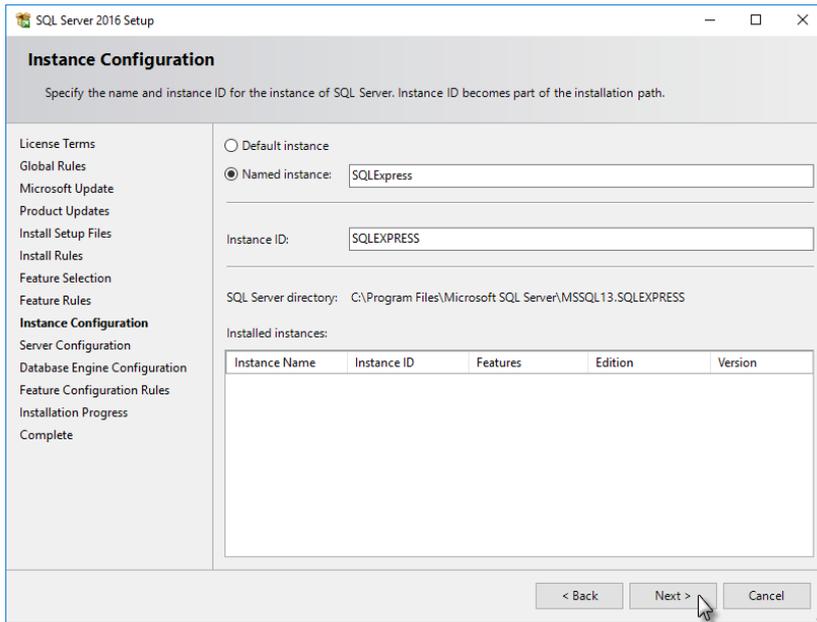
9. After installation of updates, click [OK] at the prompt to continue.



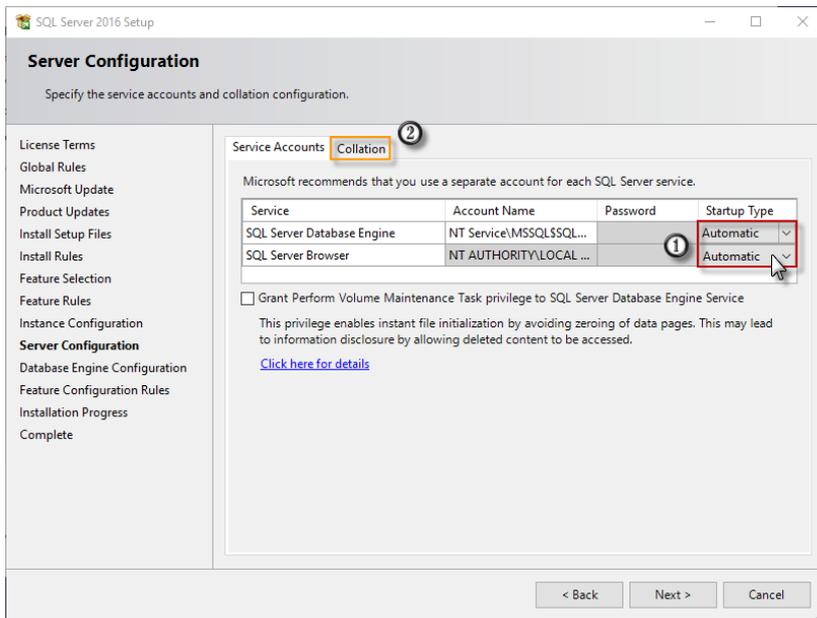
10. In “Feature Selection”, click [Select All] to install all SQL Express features. Click [Next >] to continue.



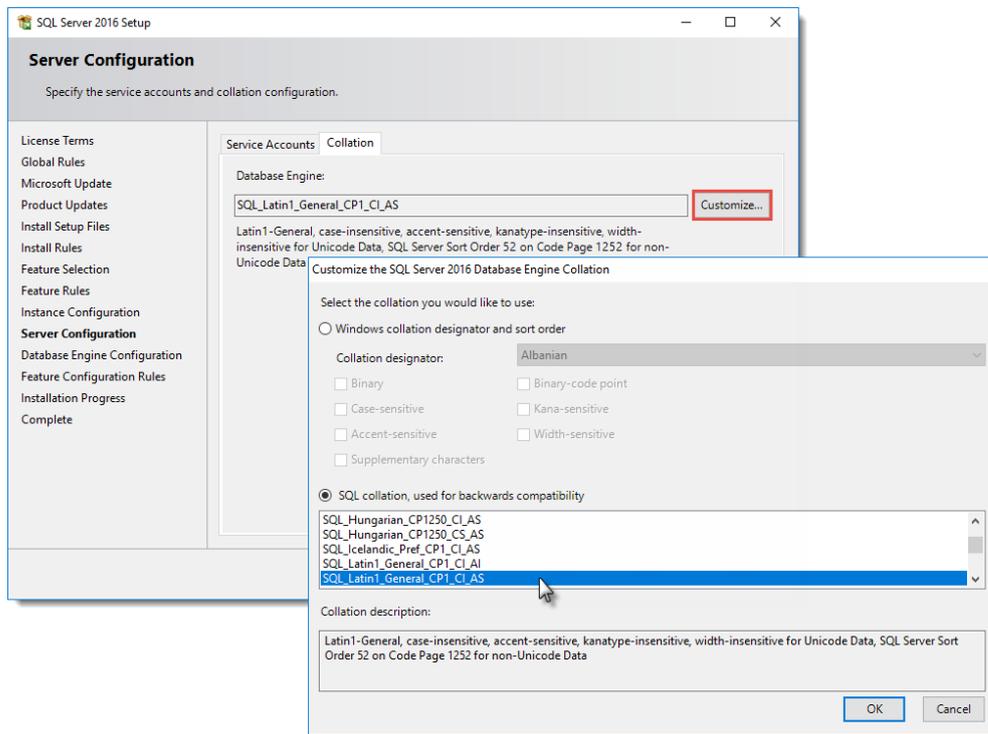
11. In “Instance Configuration”, keep the pre-defined settings, just click [Next>] to continue.



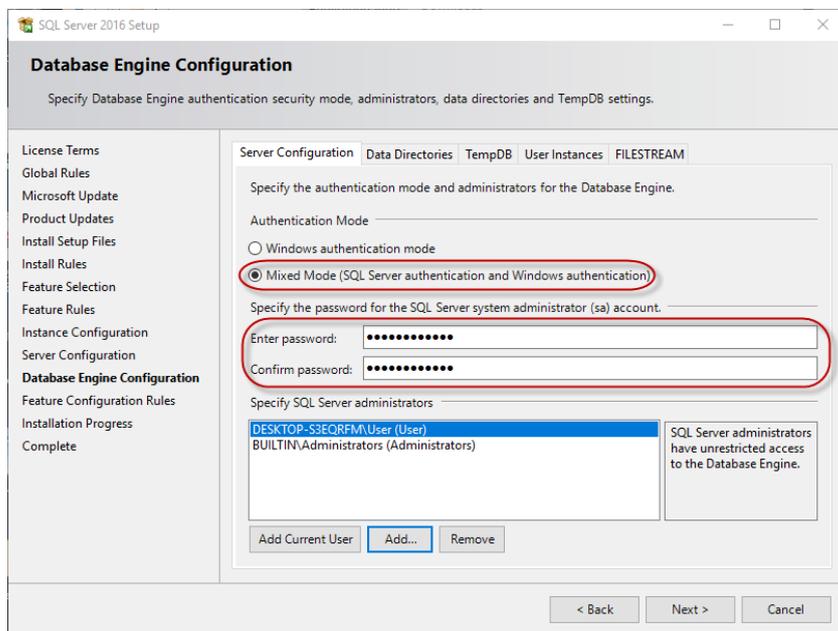
12. In “Server Configuration”, set “Startup Type” of “SQL Server Database Engine” and “SQL Server Browser” to “Automatic”.
13. Go to the “Collation” tab.



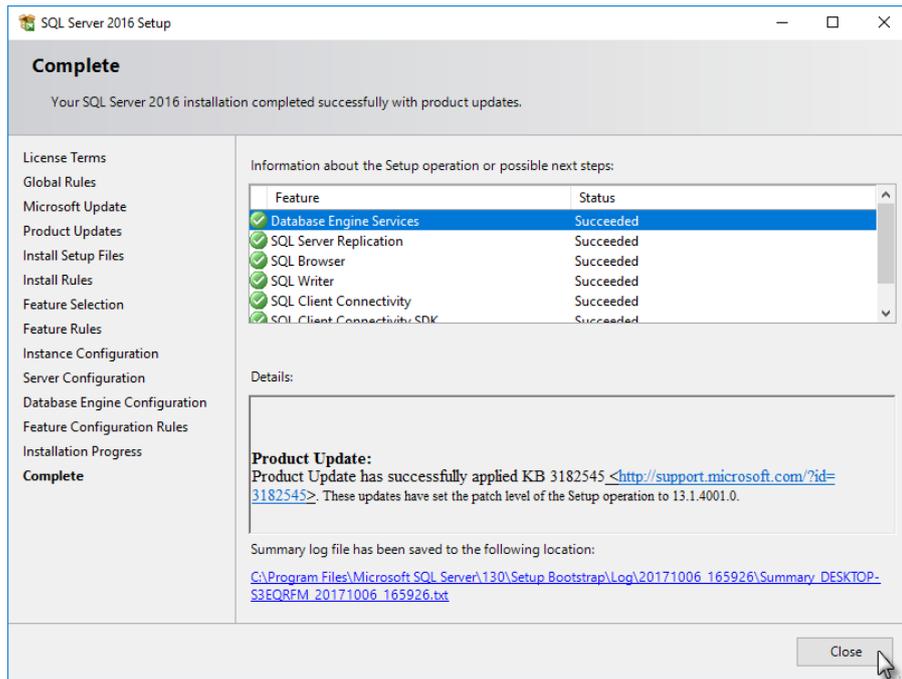
14. Click [Customize ...]. Change the Database Engine to “SQL_Latin1_General_CP1_CI_AS”. Then Click [OK].
15. Click [Next >] to continue.



16. In “Database Engine Configuration”, select “Mixed Mode...” then enter your password for the “sa” account.
17. Click [Next >] to start installation.

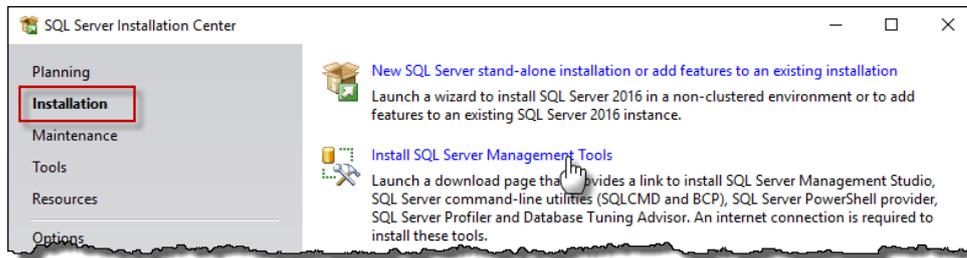


18. When installation completed, click [Close] to exit.

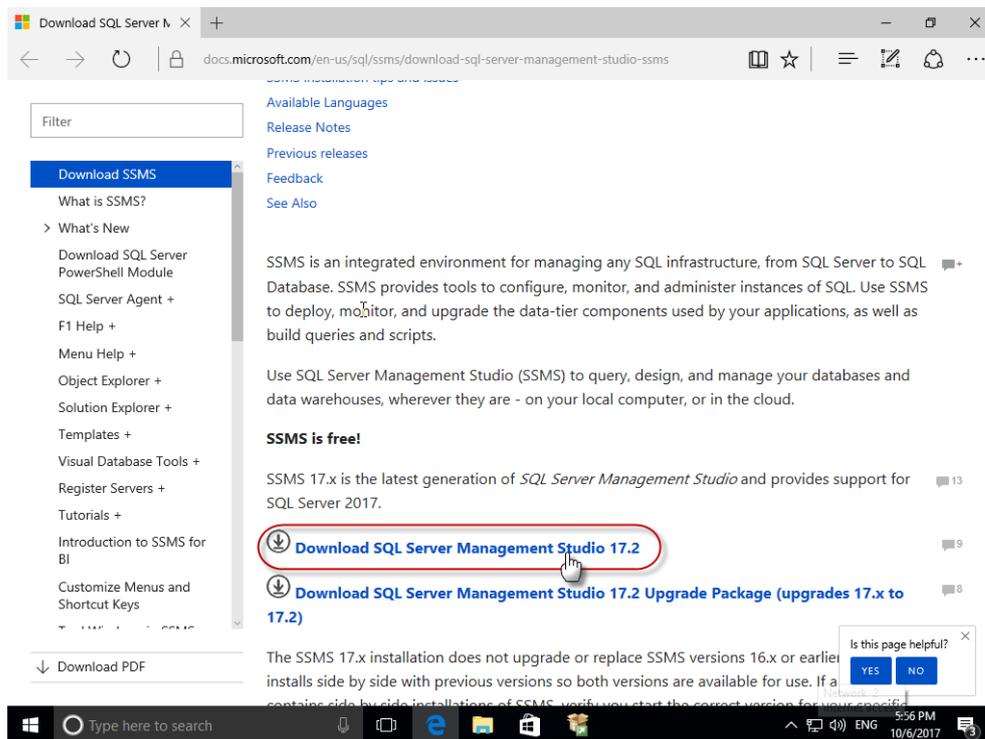


B. Installation of Microsoft® SQL Server® Management Studio

1. On the "Installation" page, select "Install SQL Server Management Tools"



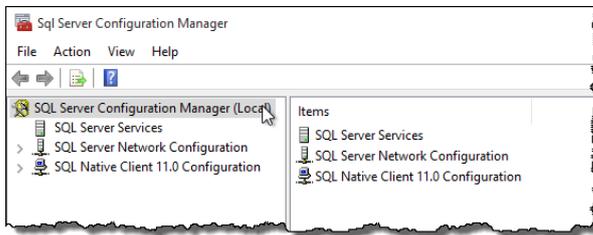
2. Select the first "SQL Server Management Studio" to download



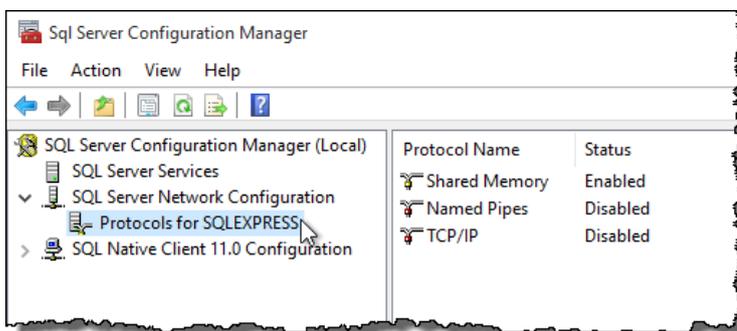
3. Double-click to run the downloaded file
4. Click [install] to start the installation

C. Configuration of SQL Server Express

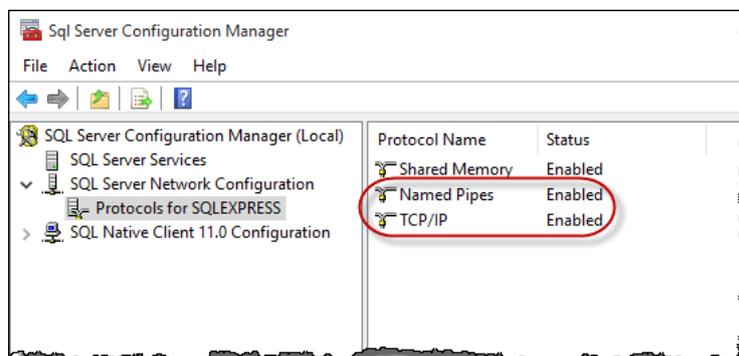
1. Select { Start > All Programs > Microsoft SQL Server 20xx > SQL Server Configuration Manager } to run “SQL Server Configuration Manager”.



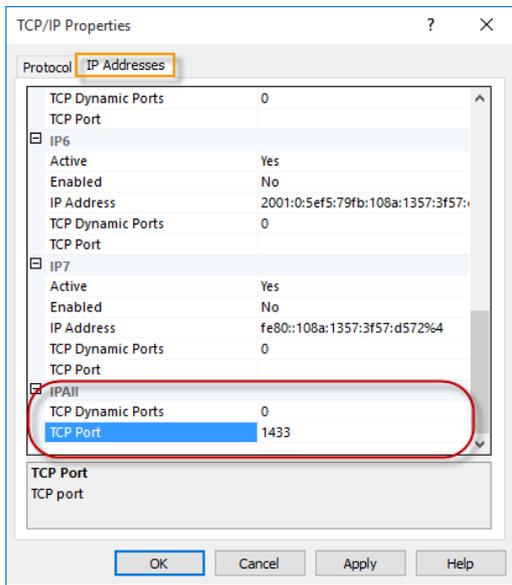
2. In the left panel of “SQL Server Configuration Manger”, expand the node of “SQL Server Network Configuration” and select “Protocols for SQLEXPRESS”



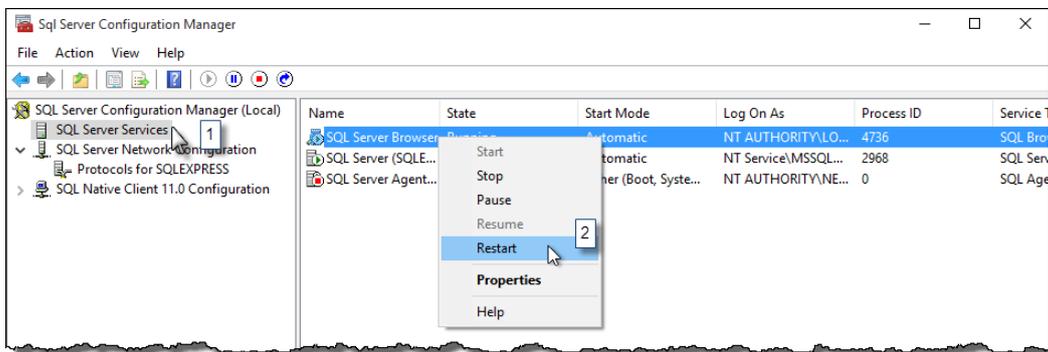
3. In the right panel:
 - (1) right-click “Named Pipes” and then select “Enable”
 - (2) right-click “TCIP/IP” and then select “Enable”



4. To allow TCPIP connection:
 - (1) right-click "TCP/IP", then choose "Properties" > "IP Addresses" tab
 - (2) under "IPAll" tab, change "TCP Dynamic Ports" to "0"
 - (3) change "TCP Port" to "1433"
 - (4) click [OK] to save the changes



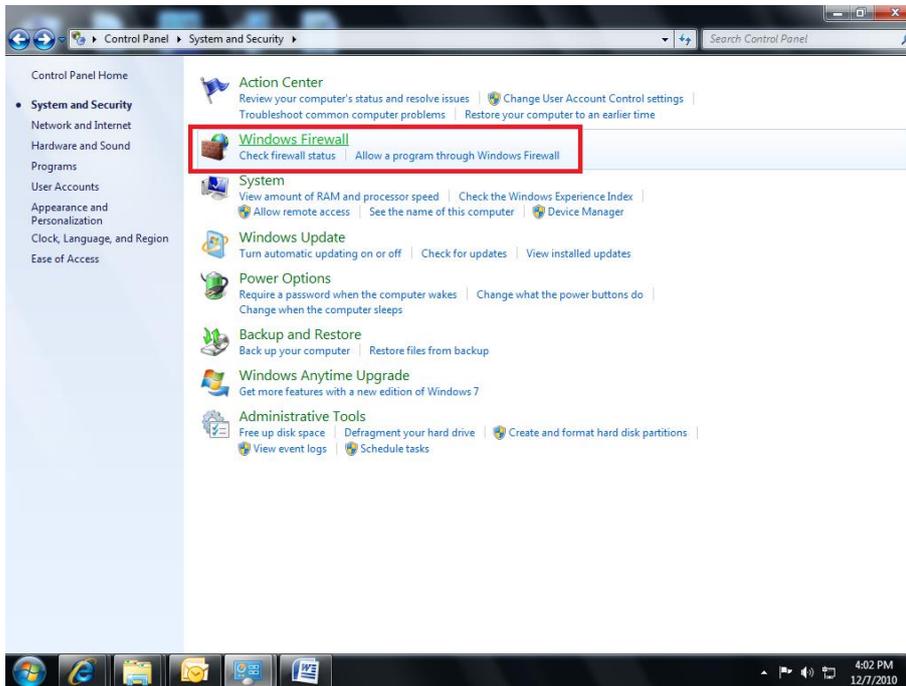
5. In the left panel, select "SQL Server Services". In the right panel, right-click "SQL Server Browser" then select "Restart".



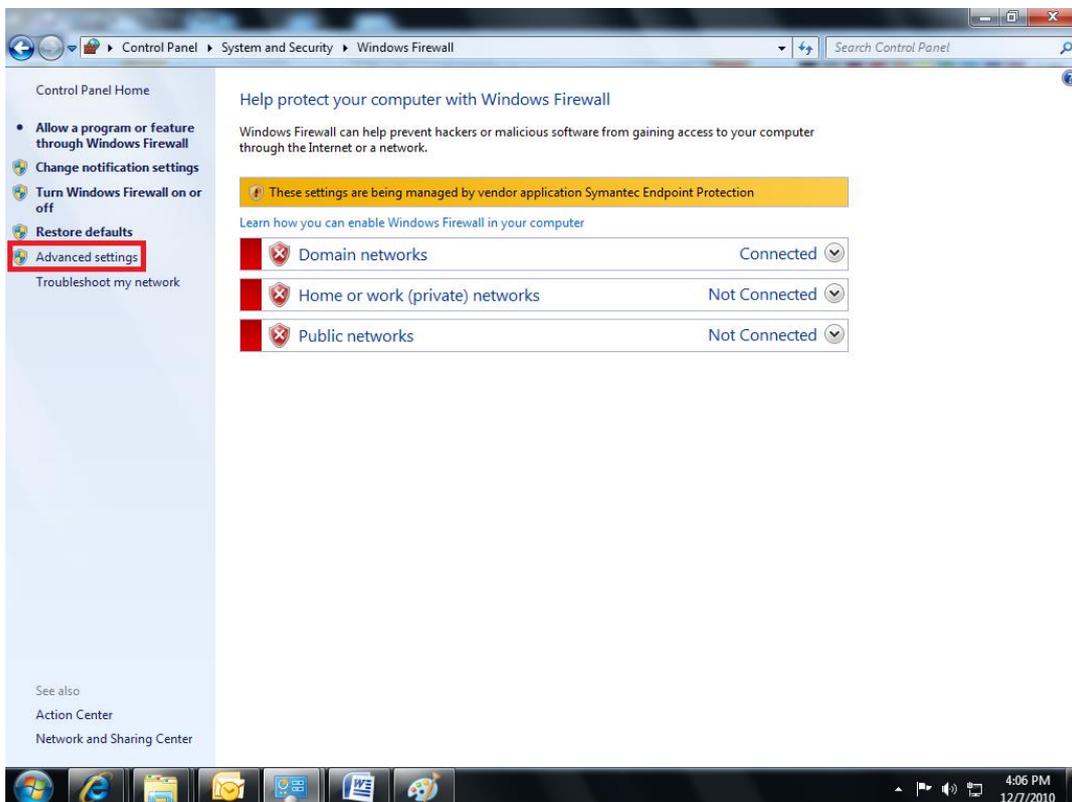
6. Configuration Completed

D. Configuration of Windows Firewall

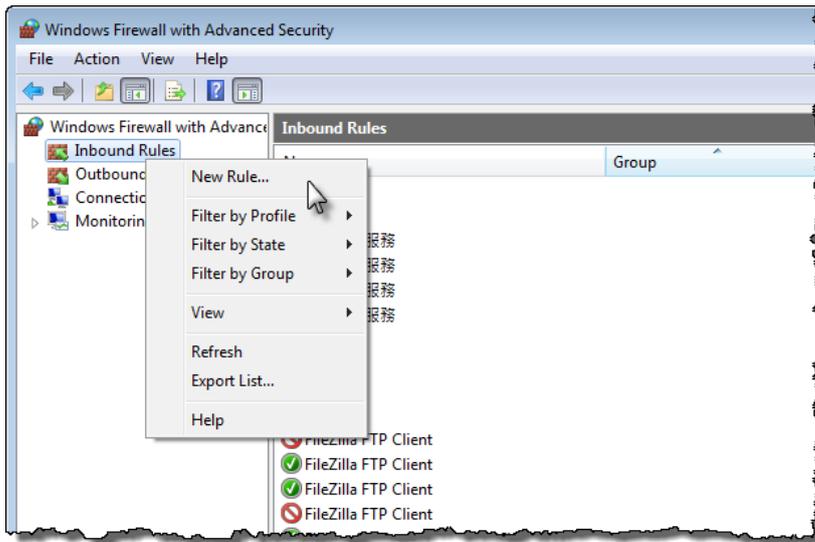
1. Select { Start > Control Panel > System and Security > Windows Firewall }



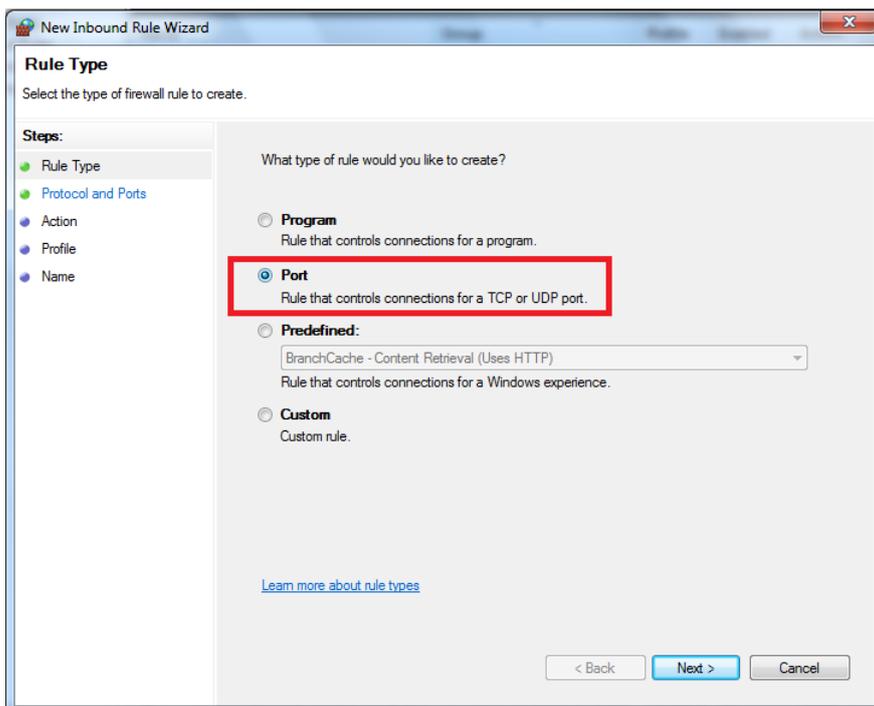
2. Click "Advanced settings"



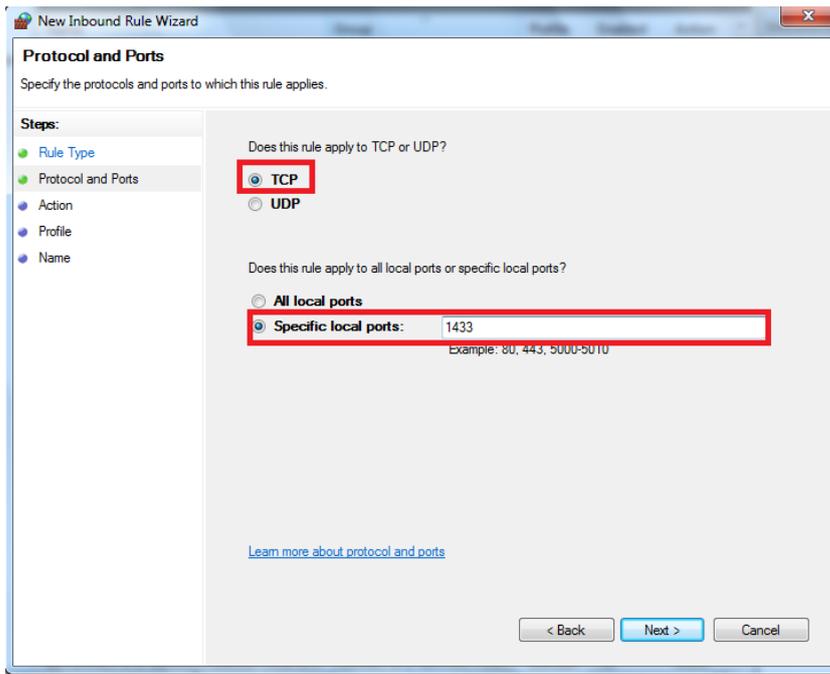
3. Right-click "Inbound Rules", select "New Rule..."



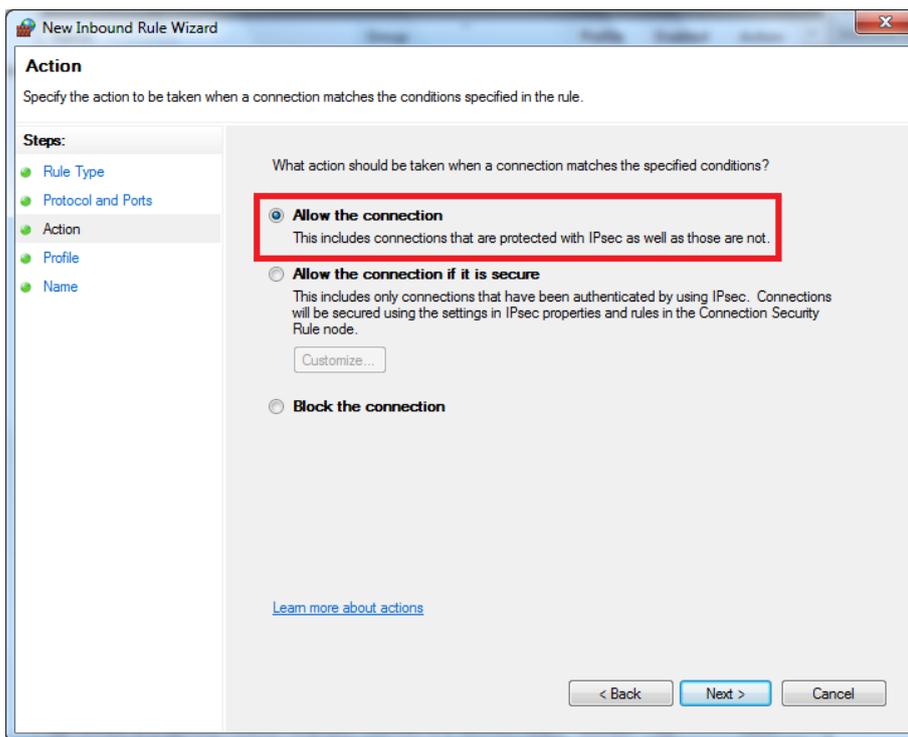
4. Select "Port", click [Next]



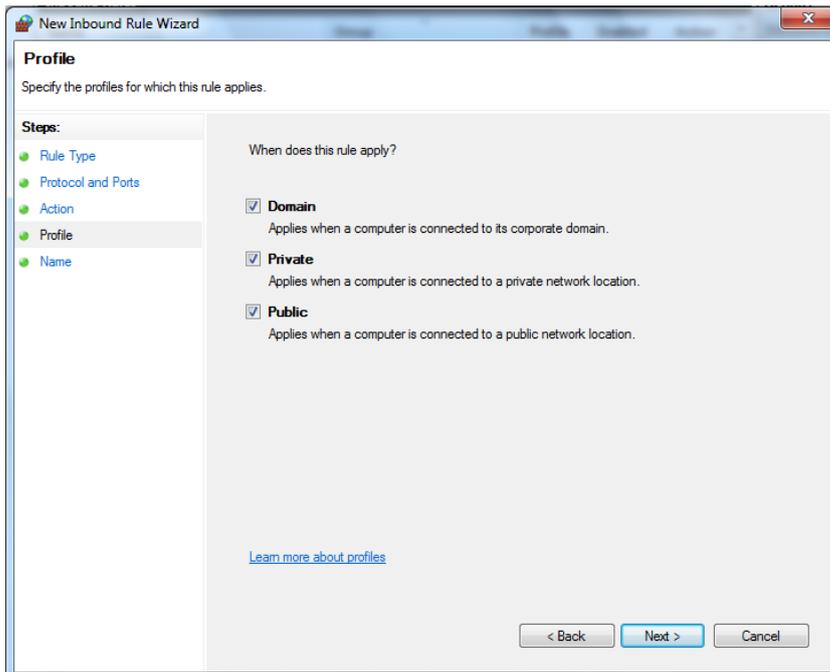
5. Select “TCP” and “Specific local ports”, and then enter the port number: **1433**. Click [Next >]



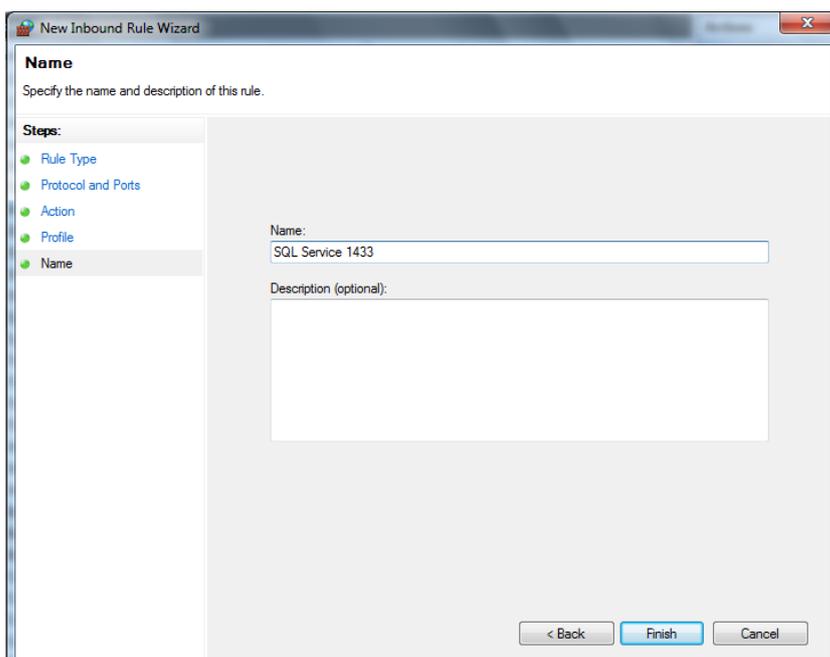
6. Select “Allow the connection”, click [Next >]



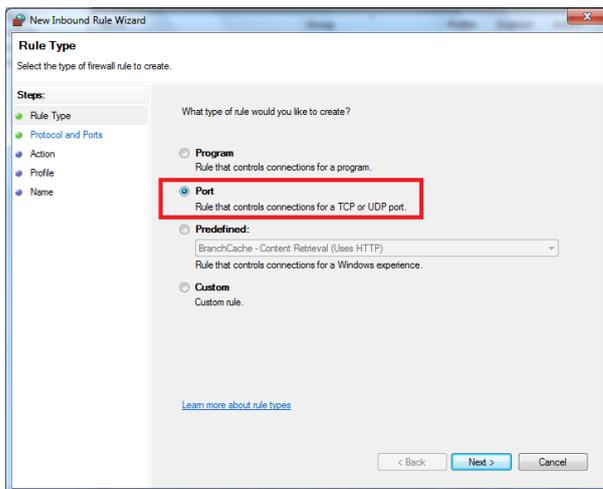
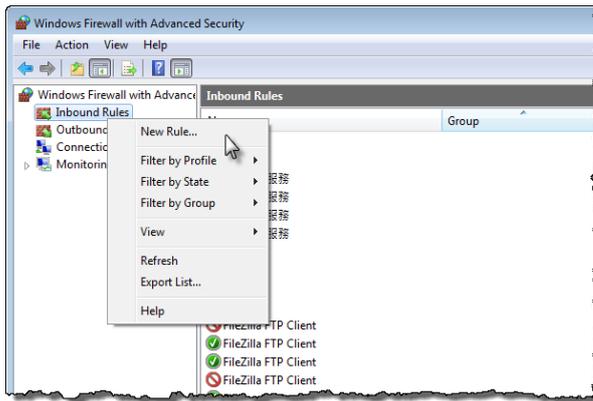
7. Apply all the rules. Click [Next >]



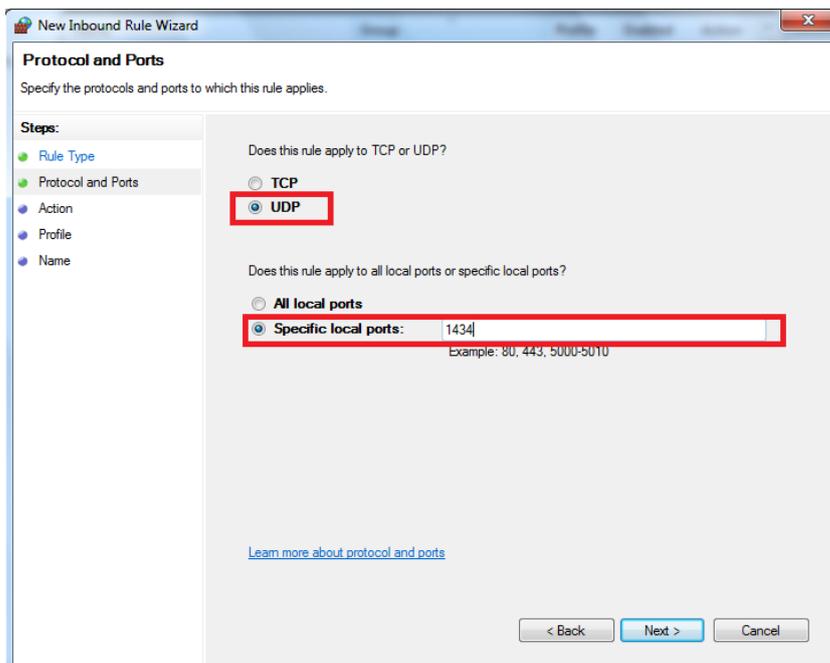
8. Enter the rule name: “SQL Service 1433”, and click [Finish].



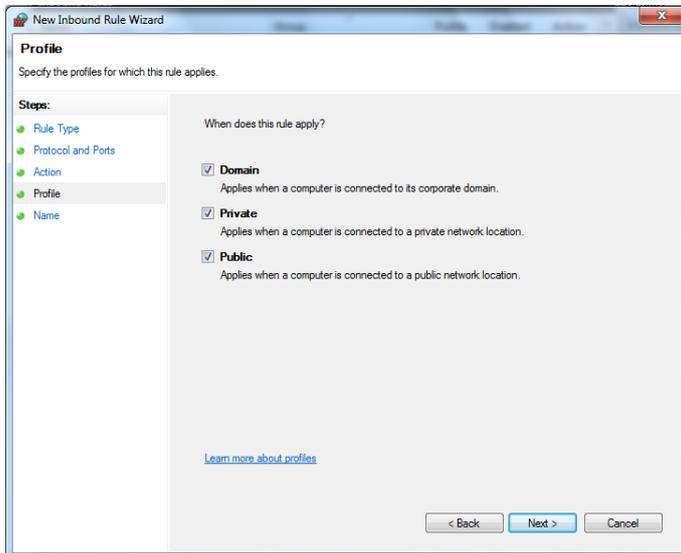
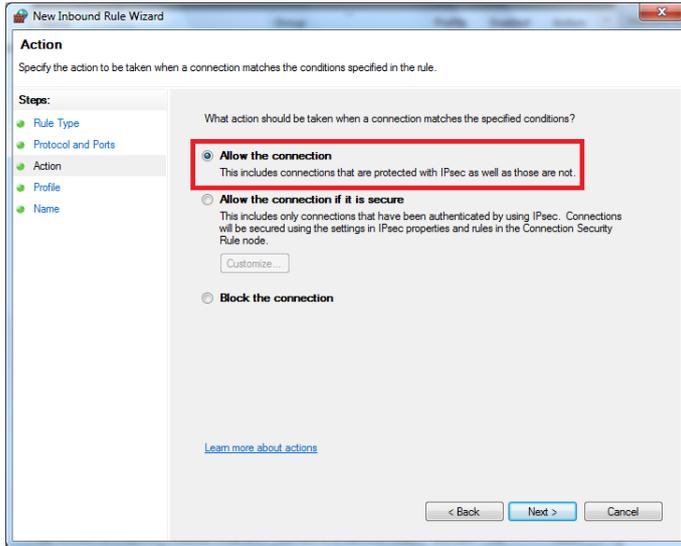
9. Repeat Steps 3 & 4 to add another new rule.



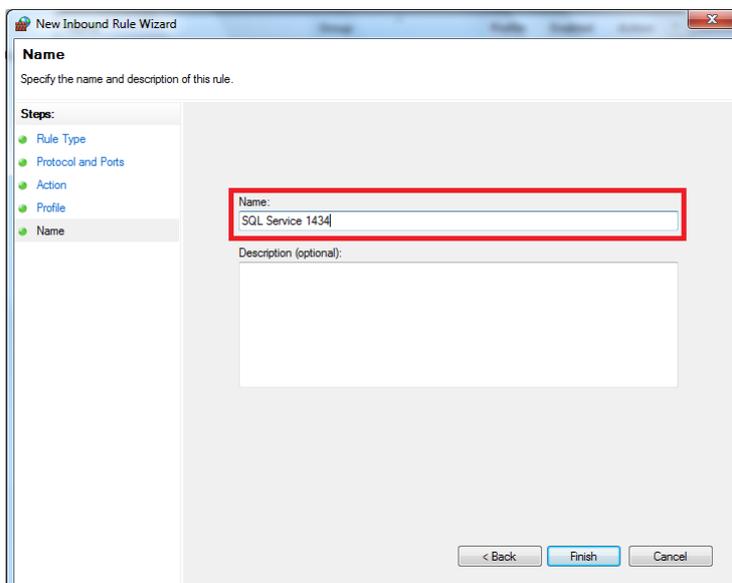
10. Select "UDP" and "Specific local ports", and then enter the port number: **1434**



11. Repeat Steps 6 & 7 to apply all rules

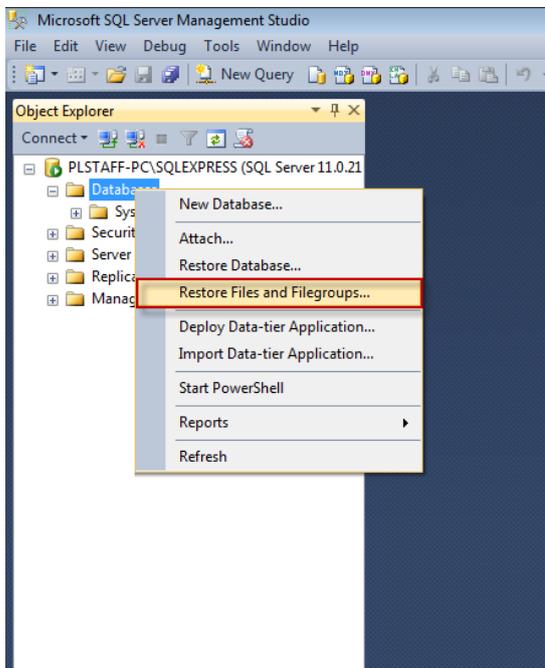


12. Enter the rule name: **SQL Service 1434**. Click [Finish]

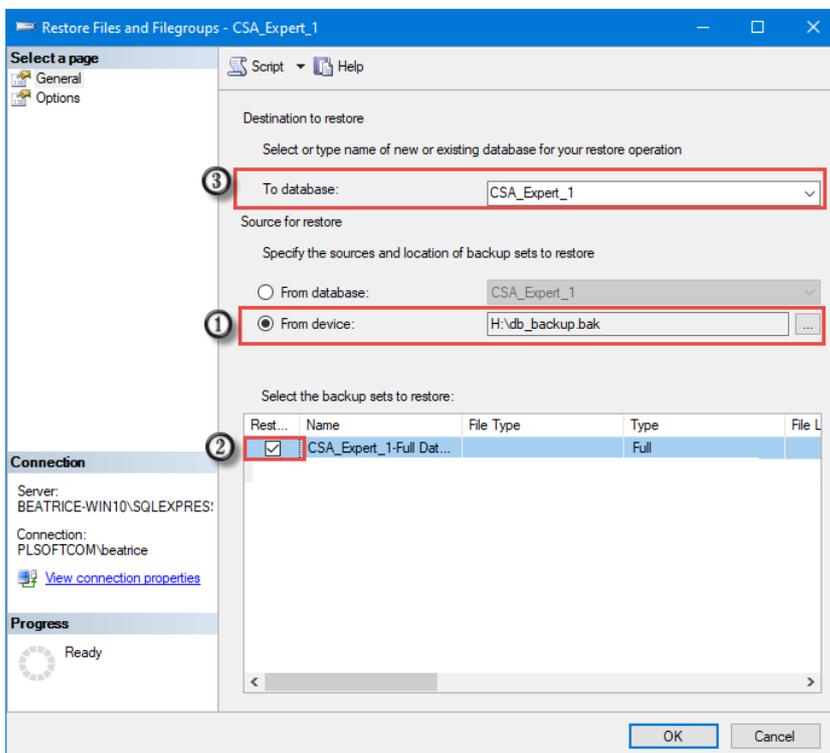


E. Restoration of CSA Expert Data

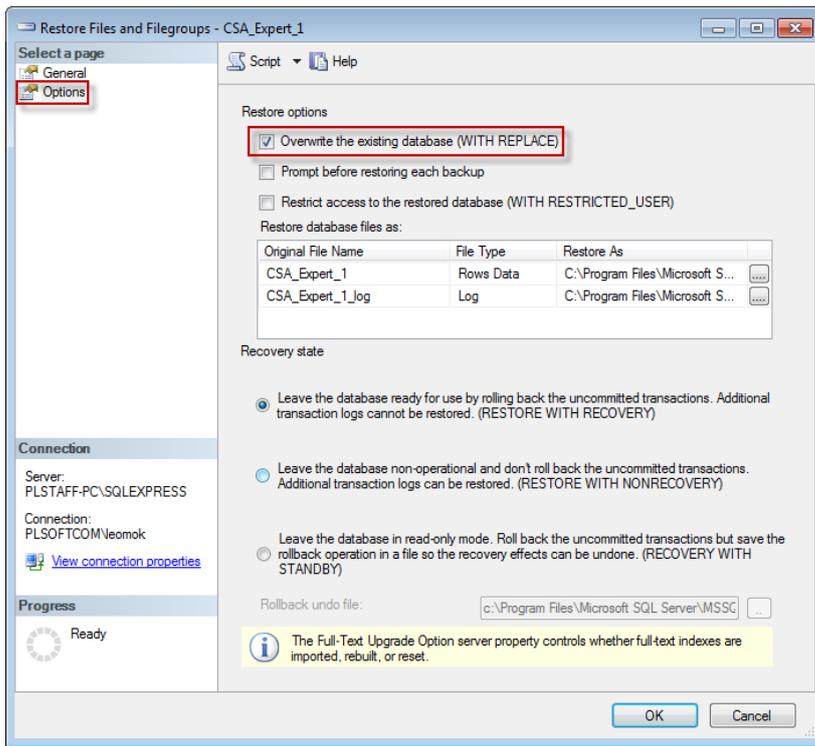
1. Run “Microsoft SQL Server Management Studio”
2. Right-click { Databases > Restore File and Filegroups... }



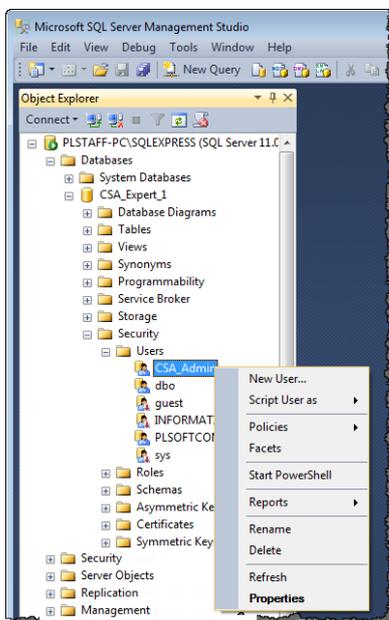
3. Select “From device:”, then locate the backup file. and check the box of your database under “Restore”
4. Enter the name of your database in “To database”



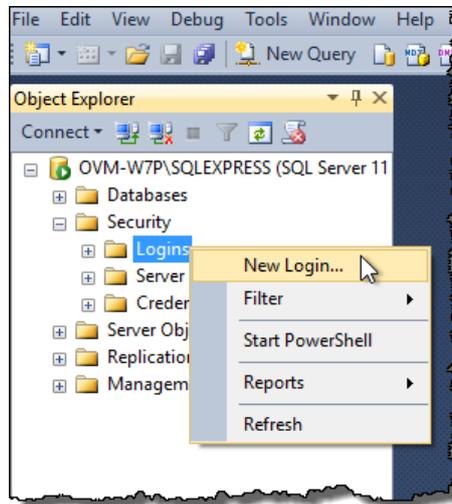
- On the “Options” page, check box “Overwrite the existing database (WITH REPLACE)”, and then click [OK] to start database restoration.



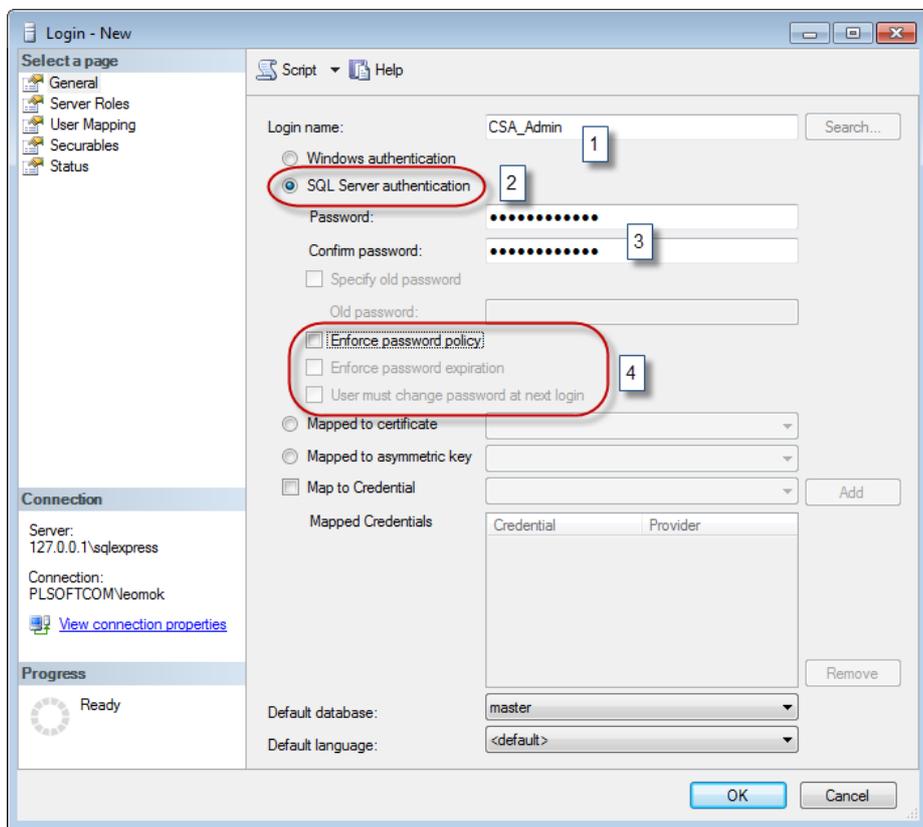
- After restored the database, select { CSA_Expert_1 > Security > User }
- Right-click “CSA_Admin”, click “Delete”.



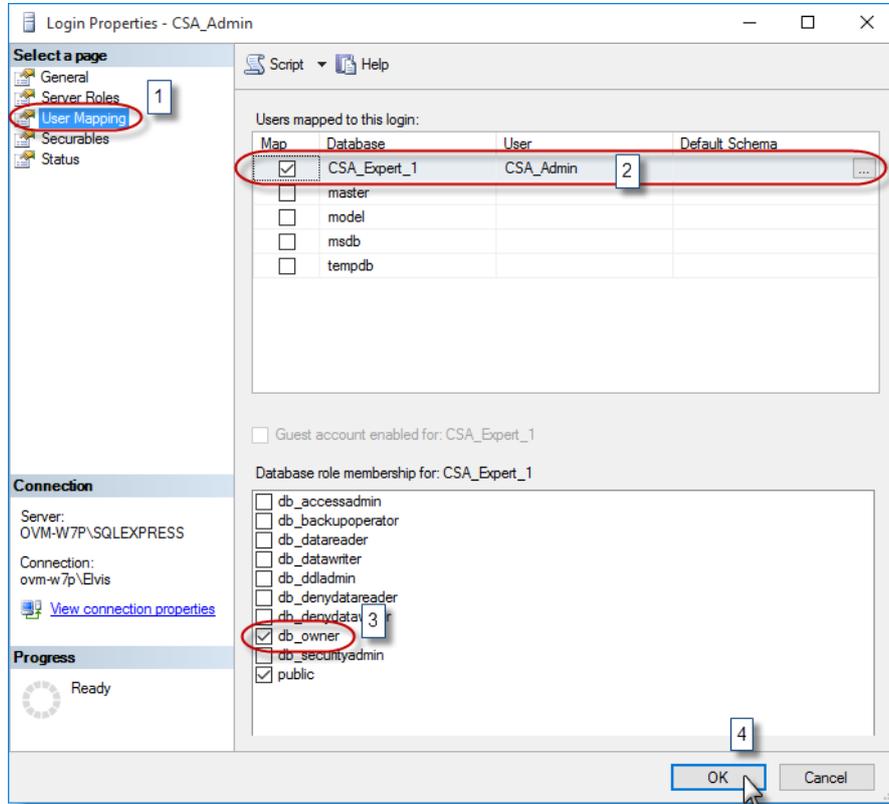
8. Back to the "Object Explorer":
 - (1) expand the node "Security"
 - (2) right-click "Logins"
 - (3) click "New Login..."



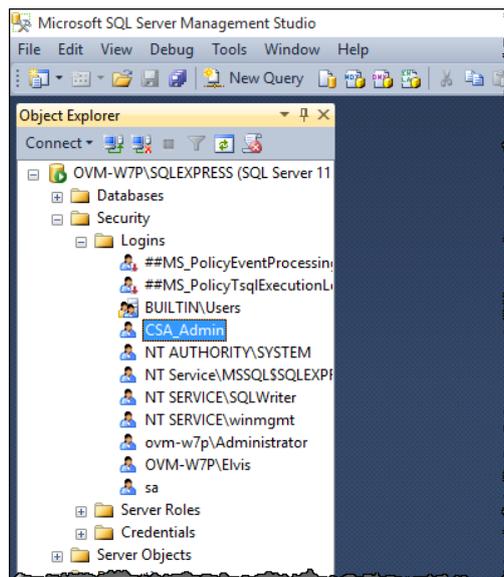
9. Enter the followings:
 - (1) Login name: CSA_Admin
 - (2) select "SQL Server authentication"
 - (3) enter and confirm password: **Pnl#25213110**
 - (4) uncheck the box "Enforce password policy"
 - * It will be changed when you run CSA System Manager later. (Section E)
 - (5) click [OK]



10. Back to “Login Properties” of CSA_Admin:
 - (1) select “User Mapping”
 - (2) under “Users mapped to this login”, check the box “CSA_Expert_1”
 - (3) under “Database role membership for: CSA_Expert_1”, check the box “db_owner”
 - (4) click [OK]



11. “CSA_Admin” is created under “Logins”. Configuration completes.
12. Exit “Microsoft SQL Server Management Studio”



E. Modification of CSA Settings

Configuration File:

1. Edit the CSA Expert Setting file “F:\PNL\CSAExp\Settings\CSAExp.ini” and modify the database setting of the new SQL Server location

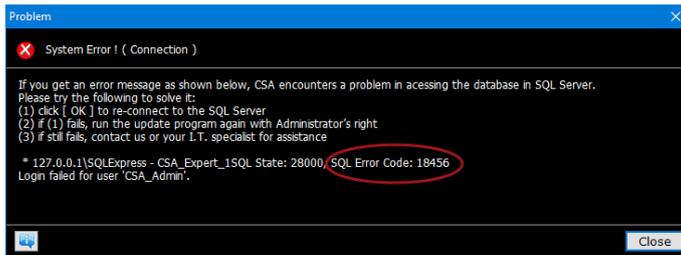
Example:

```
[DATA]
DATA1=CSA Expert Data
[DATA1]
SERVER=192.168.0.1\SQLEXPRESS
DATABASENAME=CSA_Expert_1
```

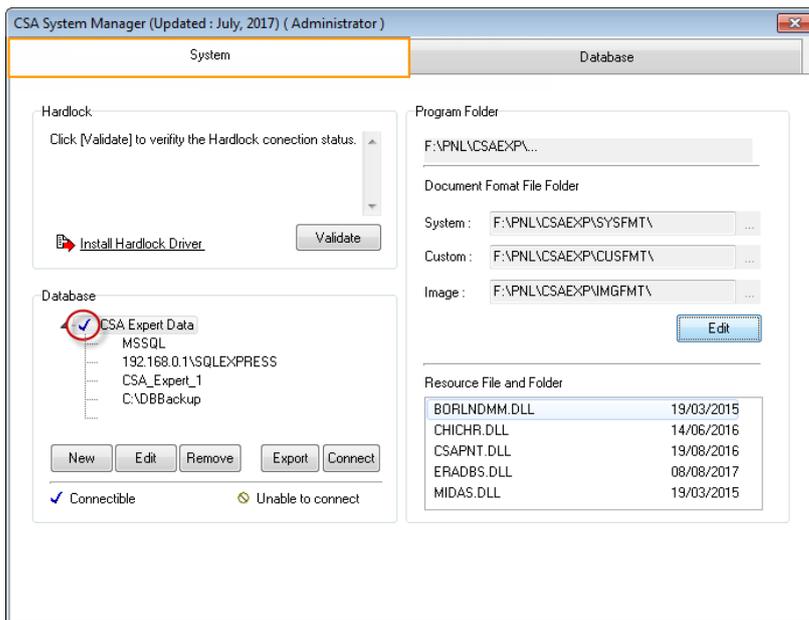
2. Save the file

CSA System Manager

1. Run CSA System Manager at “F:\PNL\CSAExp\CSAExpMan.exe”.
2. Ignore the following error message (Error Code: 18456)



3. Ensure there is tick beside the “CSA Expert Data” which means your database is ready.
4. Close the System Manager



5. Restoration of CSA database completed.