SQL Server Configuration Guide for SC

Take SQL Server Express 2012 for instance.

1. Install SQL Server Express

The only thing special is to choose "Mixed Mode (SQL Server and Windows Authentication)" for Authentication Mode. Thus, the database can be accessible by using SQL Server account/password. (In this case, administrator account "sa" will be used for SC login by default)

1	SQL Server 2012 Setup – 🗖		
Database Engine Config	guration		
Specify Database Engine authen	tication security mode, administrators and data directories.		
Setup Support Rules License Terms Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine 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 O Windows authentication mode Image: Mixed Mode (SQL Server authentication and Windows authentication) Specify the password for the SQL Server system administrator (sa) account. Enter password: Image: Mixed Mode (SQL Server administrator (sa) account. Enter password: Image: Mixed Mode (SQL Server administrator (sa) account. Specify SQL Server administrators Image: Mixed Mode (Lane) Image: Add Current User Add Remove Image: Mixed Mode (SQL Server Add	L Server administrators ve unrestricted access the Database Engine.	
	< Back Next > Ca	ancel Help	

2. Enable TCP/IP protocol access for SQL Server

Find "SQL Server configuration manager", check "SQL Server Configuration -> Protocols for SQLEXPRESS -> TCP/IP", and make sure it is "Enabled".

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 SQL Server Configuration Manager (Local) SQL Server Services SQL Server Network Configuration (32bit) SQL Server Network Configuration (32bit) SQL Server Network Configuration SQL Server Network Configuration Protocols for SQLEXPRESS SQL Native Client 11.0 Configuration 	Protocol Name Shared Memory Top/IP	Status Enabled Disabled Enabled	
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Set SQL Server TCP port to 1433 In "TCP/IP Properties" page, find "IPALL" and set "TCP Port" to 1433.

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 SQL Server Configuration Manager (Local) SQL Server Services SQL Server Network Configuration (32bit) SQL Server Network Configuration (32l SQL Server Network Configuration SQL Server Network Configuration 	Protocol Name	Status Enabled			
	TCP/IP	Enabled			
▷ 💂 SQL Native Client 11.0 Configuration		TCP/IP Properties	? ×		
	Protocol IP Addresses				
	TCP Dynamic Ports TCP Port	0	^		
	Active	Yes			
	Enabled	No			
	IP Address	127.0.0.1			
	TCP Dynamic Ports	0			
	TCP Port				
	IP6				
	Active	Yes			
	Enabled	No			
	IP Address	fe80::5efe:192.168.65.102%4			
	TCP Dynamic Ports	0			
	TCP Port				
	TCP Dynamic Ports	1555			
	TCP Port	1433	~		
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4. Restart SQL Server Service

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SQL Server Configuration Manager (Local)	Name	State	Start Mode	Log On As	Proce
	SQL Server Browser	Stopped	Other (Boot, Syste	NT AUTHORITY\LO	0
	SQL Server (SQLEXPRESS)	Running	Automatic	NT Service\MSSQL	5600
▲	SQL Server Agent (SQLEXPRESS)	Stopped	Other (Boot, Syste	NT AUTHORITY\NE	0
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- Allow TCP port 1433 in Windows Firewall Inbound rules Find "Control Panel -> System and Security ->Windows Firewall->Advanced settings". Create a new Inbound rule for TCP Port 1433.
 - a) Rule type



b) Protocol and Ports

