Install and Configure

MySQL is an **open-source relational** database management system (RDBMS). Install (manual, recommend): take the windows computer as example, other systems are similar.

1.Download the right versions for MySQL server and MySQL workbench.

MySQL Workbench is a unified visual tool for database architects, developers, and DBAs.

MySQL server download: https://dev.mysql.com/downloads/mysql/

MySQL workbench download: http://dev.mysql.com/downloads/workbench/

Please select the right version according to your system, for example:



Please note that: for installing workbench:

My	SQL Workbench Windows Prerequisites:
	To be able to install and run MySQL Workbench on Windows your system needs to have libraries listed below installed. The listed items are provided as links to the corresponding download pages where you can fetch the necessary files.
	Microsoft .NET Framework 4 Client Profile Visual C++ Redistributable for Visual Studio 2013

If your computer does not have these libraries, you can install them first (http://dev.mysql.com/downloads/workbench/), for example: try to install the .NET framework 4,

🐔 Microsoft .NET Framework 4 Client Profile Setup	\times
Your installation will not occur. See below for reasons why.	
Details	
 Microsoft .NET Framework 4 is already a part of this operating system. You do not need to in the .NET Framework 4 redistributable. <u>More information</u>. 	stall
Same or higher version of .NET Framework 4 Client Profile has already been installed on this computer.	
Please see <u>Microsoft .NET Framework 4 Client Profile Setup readme</u> for more information.	
Continue Close	

which means .Net Framework 4 is not needed, if the computer already has or your system is windows10.

for Microsoft visual C++ 2013 Redistributable:

Choose the download you	want	
File Name	Size	
vcredist_arm.exe	1.4 MB	
vcredist_x64.exe	6.9 MB	
vcredist_x86.exe	6.2 MB	
Alignagaft Vigual C + + 2012 Badistrib	utable (v86) 12.0.205 — 🗆 🗙	
⊯ Microsoft Visual C++ 2013 Redistrib	utable (x86) - 12.0.305 — 🗆 🗙	
Microsoft Visual C++ 2013 Redistrib	utable (x86) - 12.0.305	
Microsoft Visual C++ 2013 Redistrib Microsoft Vis Redistributak	utable (x86) - 12.0.305 – – × sual C++ 2013 ble (x86) - 12.0.30501	
Microsoft Visual C++ 2013 Redistrib Microsoft Vis Redistributat	utable (x86) - 12.0.305 – – × sual C++ 2013 ble (x86) - 12.0.30501	
Microsoft Visual C++ 2013 Redistrib Microsoft Vis Redistributak Microsoft software License Microsoft VISUAL C++ REDIS 2013	utable (x86) - 12.0.305 · × sual C++ 2013 ble (x86) - 12.0.30501 TERMS STRIBUTABLE FOR VISUAL STUDIO	
Microsoft Visual C++ 2013 Redistrib Microsoft Vis Redistributak MICROSOFT SOFTWARE LICENSE MICROSOFT VISUAL C++ REDIS 2013 These license terms are an agreen based on where you live one of its	utable (x86) - 12.0.305 × sual C++ 2013 ble (x86) - 12.0.30501 TERMS TRIBUTABLE FOR VISUAL STUDIO nent between Microsoft Corporation (or staffiliatee) and your Please read them	
Microsoft Visual C++ 2013 Redistrib Microsoft Vis Redistributat MICROSOFT SOFTWARE LICENSE MICROSOFT VISUAL C++ REDIS 2013 These license terms are an agreen based on where you live, one of its VI agree to the license terms and con	utable (x86) - 12.0.305 × sual C++ 2013 ble (x86) - 12.0.30501 TERMS TRIBUTABLE FOR VISUAL STUDIO ment between Microsoft Corporation (or x affiliates) and your Please read them ditions	

2.Install MySQL server:

I download the *mysql-5.5.53-winx64.msi* for MySQL server;

After downloading, click to start install:



Type: recommend typical

🕵 MySQL Server 5.5 Setup	-		×	₩MySQL Server 5.5 Setup —	×
Choose Setup Type Choose the setup type that best suits your needs				Ready to install MySQL Server 5.5	\bigcirc
Typical Installs the most common program features. Recommended	for mo	st users.		Click Install to begin the installation. Click Back to review or change any of your installation settings. Click Cancel to exit the wizard.	
Custom Allows users to choose which program features will be insta they will be installed. Recommended for advanced users. Complete All program features will be installed. Requires the most dis	lled and k space.	d where			
Back Next		Cance	ł	Back Install	Cancel



3.Configuration:

After installing the MySQL Server, a window will pop up for configuring the server.





Set the Port number (please remember)

м

	MySQL Server Instance Configuration Wizard	×
	MySQL Server Instance Configuration	
	Configure the MySQL Server 5.5 server inst	ance.
	Please set the networking options.	
	Enable TCP/IP Networking	
	Enable this to allow TCP/IP (local connections through	connections. When disabled, only named pipes are allowed.
	Port Number: 3306	Add firewall exception for this port
	Please set the server SQL mode.	
	✓ Enable Strict Mode	
	database server. It is recom	r to behave more like a traditional mended to enable this option.
	<	Back Next > Cancel
ySQL Server Instance Configuration Wiz	zard ×	MySQL Server Instance Configuration Wizard
MySQL Server Instance Configuration		MySQL Server Instance Configuration
Configure the MySQL Server 5.5 server	instance.	Configure the MySQL Server 5.5 server instance.
Please select the default character set.		Please set the Windows options.
Standard Character Set		✓ Install As Windows Service
Hellor Makes Latin1 the defau English and other West	Jlt charset. This character set is suited for t European languages.	This is the recommended way to run the MySQL server on Windows.
C Best Support For Multilingualism		Service Name: MySQL
Make UTF8 the default character set for storing	character set. This is the recommended g text in many different languages.	↓ Launch the MySQL Server automatically
		Include Bin Directory in Windows PATH
Manual Selected Default Charact	ter Set / Collation acter set to use.	Check this option to include the directory containing the server / client executables in the Windows PATH
Character Set:	in1 🗸	variable so they can be called from the command line.
	< Back Next > Cancel	< Back Next > Cancel

Set the root password which is used to connect the database server (please remember)



4. Install MySQL Workbench:

click the downloaded .msi file for workbench to start install

🕼 MySQL Workbench 5.2 CE	- Setup Wizard	X MuSOI Workhanch 5.2 CE Satur Wittard X					
jer mysul workbench 5.2 CE	Welcome to the Setup Wizard for MySQL Workbench 5.2 CE The Setup Wizard will install version 5.2.47 on your computer. To continue, click Next.	 #MySQL Workbench 5.2 CE - Setup Wizard X Destination Folder Click Next to install to this folder, or click Change to install to a different folder. Install MySQL Workbench 5.2 CE to: C:\Program Files (x86)\MySQL MySQL Workbench 5.2 CE\ Change 					
MySQL.	< Back Next > Cencel	< Back Next > Cancel					
/ MySQL Workbench 5.2 CE - S	etup Wizard	X 🐕 MySQL Workbench 5.2 CE - Setup Wizard X					
Setup Type Choose the setup type that best	: suits your needs.	Ready to Install the Program The wizard is ready to begin installation.					
Please select a setup type.	stures will be installed. (Requires the most disk space.)	If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard. Current Settings:					
Custom	program features you want installed and where they	Setup Type: Complete Destination Folder: C:\Program Files (x86)\MySQL\MySQL Workbench 5.2 CE\					
will be installed	J. Recommended for advanced users.						
	< Back Next > Cancel	< Back Install Cancel					

Install successfully:



5.Test: Connecting MySQL Server via Workbench:

Start MySQL Server

Windows

Services							-	- 🗆	3
ile Action View	Help								
• 🔿 🖂 🖾 🖉	3 🗟 🛛 📷 🕨 🗰 🕪 🕨								
Services (Local)	 Services (Local) 								_
	MySQL	Name	Description	Status	Startup Type	Log On As			
		Conternet Explorer ETW Collector Service	ETW Collect		Manual	Local Syste			
	Stop the service	O IP Helper	Provides tu	Running	Automatic	Local Syste			
	Pause the service	IPsec Policy Agent	Internet Pro	-	Manual (Trig	Network S			
	right of source	KtmRm for Distributed Transaction Coordinator	Coordinates		Manual (Trig	Network S			
		Link-Laver Topology Discovery Mapper	Creates a N		Manual	Local Service			
		Local Session Manager	Core Windo	Running	Automatic	Local Syste			
		Alicrosoft (R) Diagnostics Hub Standard Collector	Diagnostics		Manual	Local Syste			
		Alicrosoft Account Sign-in Assistant	Enables use	Running	Manual (Trig	Local Syste			
		Microsoft iSCSI Initiator Service	Manages In		Manual	Local Syste			
		Alicrosoft Passport	Provides pr	Running	Manual (Trig	Local Syste			
		Microsoft Passport Container	Manages Io	Running	Manual (Trig	Local Service			
		Microsoft Software Shadow Copy Provider	Manages so		Manual	Local Syste			
		Alicrosoft Storage Spaces SMP	Host service	Running	Manual	Network S			
		Alicrosoft Windows SMS Router Service.	Routes mes		Manual (Trig	Local Syste			
		🛱 MySQL		Running	Automatic	Local Syste			
		Net.Tcp Port Sharing Service	Provides abi		Disabled	Local Service			
		Netlogon	Maintains a		Manual	Local Syste			
		Network Connected Devices Auto-Setup	Network Co		Manual (Trig	Local Service			
		Retwork Connection Broker	Brokers con	Running	Manual (Trig	Local Syste			
		Network Connections	Manages o	Running	Manual	Local Syste			
		Average Antipation (1997) Assistant	Provides Dir		Manual (Trig	Local Syste			
		Network List Service	Identifies th	Running	Manual	Local Service			

Mac



Connect server via workbench:

Create a new connection on the workbench panel (Bottom Left or '+' mark);

Type the hostname (127.0.0.1 for local), Port, username (root) and password;

Setup New Conn	nection	-	- 0	×
Connection Name: Connection Method: Parameters Advan	Type a [Standard (TCP/IP) v Methor	name for the	e connection Innect to the Ri	DBMS
Hostname: Username:	127.0.0.1 Port: 3306 Name or IP address of the server host root Name of the user to connect with, Person is to connect with,	: TCP/IP po	rt.	
Password: Default Schema:	Please enter password for the following service: Service: Mysd@127.0.0.1:3306 User: root Password: Save password in vaul	Cancel	> select it late	r.
	Test Connection	Can	cel C	ж

After successful connection, you will see the following interface with a test database on the left (or system database in Mac version).

