

Installing MySQL 5.7 on Windows for Specify

Specify Software Project www.specifysoftware.org

Specify 6 requires the MySQL Database Manager from Oracle Corporation in order to operate. The Oracle MySQL "Community Server" Release is an open source product, available at no cost. To install it, one must have an administrator level account or have software installation privileges on the target computer. MySQL is updated regularly by Oracle, your installer may be version 5.7 or higher.

Note: This MySQL installation guide is intended for standalone Windows (7,8,10) workstations – desktop computers which are managed by the Specify user and which are not intended to be used for a collection database that will be accessed from other computers. If your administrative unit, or campus manages MySQL for shared access on a server computer, the stand-alone workstation installation steps described below are not suitable for your situation. For multi-user, shared-server access to a MySQL Specify 6 database, talk to your technical support office, database, or network administrator about MySQL installation and configuration options. The Specify Software Project web site (www.specifysoftware.org) has documentation on setting up MySQL as a shared database server for multiple Specify 6 workstations. Contact the Specify Software Project (specify@ku.edu) if you would like to know more about MySQL installation and configuration options for Specify on database server computers.

MySQL on Windows computers requires free software from Microsoft known as the ".NET Framework 4.0". If you do not have it installed, the MySQL software installer will prompt you to download and install it. The last section of this document has an installation guide for the .NET Framework if you find you need to install it.

Downloading MySQL 5.7

1. Point your web browser to: https://dev.mysql.com/downloads/windows/installer/5.7.html

Generally Available (GA) Releases	Development Releases		
MySQL Installer 5.7.19			
Select Operating System:		Looking for pr	revious GA
MICrosoft Windows	~		
Windows (x86, 32-bit), MSI Installer	5.7.19	18.5M	Download
(mysql-installer-web-community-5.7.19.0.msi)	MD5:28e66ad9)bb79afa2e1	1583b6ad327a7 Signature
Windows (x86, 32-bit), MSI Installer	5.7.19	378.8M	Download
(mysql-installer-community-5.7.19.0.msi)	MD5:2578bfc30	c30273cee42	d77583b8596b5 Signature

2. Choose the larger, full MSI Installer download. You'll be taken to a new browser page with more install options, click "No Thanks, just start my download." at the bottom of the screen.



3. When the download finishes, choose the Run button. If asked to allow the app to install software/make changes, click "Yes".



4. After agreeing to the Oracle Software License Terms, check the "I accept the license terms" box, then click Next.



5. Select "Server only", then click Next.



6. If you are missing any of the required software or packages required for MySQL, you will either need to click "Execute" or install that software from its website.

MySQL Installer			- 🗆	×
MvSOL. Installer	Check Requiremen	ts		
Adding Community	The following products have f of this automatically. Require Click on those items to try and	ailing requirements. The installer will attemp ments marked as manual cannot be resolved d resolve them manually.	t to resolve som automatically.	e
License Agreement		-		
Choosing a Setup Type	For Product	Requirement	Status	
Check Requirements	O MySQL Server 5.7.19	Microsoft Visual C++ 2013 Runtime		
Installation				
Product Configuration				
Installation Complete				
	Requirement Details The installer is trying to auto to do. Requirement: Microsoft V Status:	matically resolve this requirement. There is no isual C++ 2013 Runtime 64 bits is not installed	thing you need	
		< Back Execute Next	> Car	ncel

For example, you may need to install the latest version of Visual Studio

🖶 Microsof	t Visual C++ 2013 Redistributable (x64) - 12.0.30	05	_		\times
N	Microsoft Visual C++ 2 Redistributable (x64) -	201 12	3 .0.30	501	
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MICROSO 2013	FT VISUAL C++ REDISTRIBUTABLE FOR	VISU	IAL STU	IDIO	
These license terms are an agreement between Microsoft Corporation (or hased on where you live one of its affiliates) and you. Please read them					~
✓ I agree to	o the license terms and conditions				
	[Ins	tall	Close	2

7. Once any missing requirements have a check next to them, click next.



8. Click Execute, and then click Next.

MySQL Installer			-		
MySQL. Installer	Installation				
Adding Community	Press Execute to upgrade the followir	ng products.			
	Product	Status	Progress	Notes	Τ
License Agreement	MySQL Server 5.7.19	Ready to Install			
Choosing a Setup Type					
Check Requirements					
Installation					
Product Configuration					
Installation Complete					
	Click [Execute] to install or update the	following packages			
		< Back	Execute	Canc	el

9. Click Next on the Product Configuration window. On the next Type and Networking window, choose Standalone MySQL Server, then Next.



10. In the dropdown menu for Server Configuration Type, select "Server Machine", then click Next.



The next screen asks for a password for the MySQL "Root" account. A root account has all privileges and permissions on the MySQL software installation. The account can create, change and delete entire databases. The account username is literally the word "root". Security Note: The MySQL installation by default will be visible to anyone on your network, and if you are not located behind an institutional network firewall with database ports blocked, it will be reachable by anyone on the internet. In order to prevent malicious breakins into your MySQL-Specify 6 installation, your MySQL root user password should be very strong. Do not use "root" or "specify" as your password, nor any other easily guessed word. Use a mixture of upper and lowercase letters, and numbers. It is vitally important to be able to recall this MySQL root account password to complete the Specify installation and to accept future Specify software updates. You will need it each time The Specify Project releases a major update, which is about twice a year. Record the root account password on paper and store it in a safe, memorable place or use a password management app. If the MySQL root account password is lost your Specify database will be in serious, potentially irreversible, trouble.

11. Now enter your MySQL root account password twice as shown, and then click Next.

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iviysQL. Installer	Accounts and Roles					
MySQL Server 5.7.19	Root Account Password Enter the password for the place.	root account. Pleas	e remember to store this p	assword in a secure		
Type and Networking	MySQL Root Password:	•••••	•			
Accounts and Roles	Repeat Password:	•••••	•			
		Password Strengt	h: Strong			
Windows Service						
Plugins and Extensions						
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Apply Configuration	MuSOL User Accounts					
Apply Configuration	MySQL User Accounts Create MySQL user accour consists of a set of privile	nts for your users and ges.	applications. Assign a role	to the user that		
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Appiy Configuration	MySQL User Accounts Create MySQL user accour consists of a set of privile MySQL Username	its for your users and ges. Host	applications. Assign a role	Add User Edit User Delete		

12. Click Next on this window, which will set MySQL to start when your computer starts.



< Back Next > Cancel

14. Click Execute (not Cancel).

NySQL Installer	- 🗆 X
MySQL. Installer MySQL Server 5.7.19	Apply Configuration Press [Execute] to apply the changes Configuration Steps Log
Type and Networking Accounts and Roles Windows Service Plugins and Extensions Apply Configuration	 Stopping Server [if necessary] Writing configuration file Updating firewall Adjusting Windows service [if necessary] Initializing Database [if necessary] Starting Server Applying security settings Creating user accounts Updating Start Menu Link Updating Firewall for MySQL Document Data Feature Set
	< Back Execute Cancel

15. Click Finish, then Next, then Finish to complete the MySQL installation. It is a good idea to reboot your computer to ensure that the setup was fully-completed. Now, see the Specify Collection Setup Wizard documentation for instructions on how to setup and configure a Specify database for your collection now that you have MySQL installed and operating.

MySQL Installer			×
MySQL Installer MySQL Server 5.7.19 Type and Networking Accounts and Roles Windows Service Plugins and Extensions Apply Configuration	Apply Configuration The configuration operation has stopped. Configuration Steps Log Stopping Server [if necessary] Writing configuration file Updating firewall Adjusting Windows service [if necessary] Initializing Database [if necessary] Starting Server Applying security settings Creating user accounts Updating Firewall for MySQL Document Data Feature Set		×
		Finis	h

Installing the Microsoft .NET Framework 4.0

1. If the Microsoft ".NET Framework 4.0" is not already installed, the MySQL installer will prompt you to install it, otherwise you can skip this section.

If MySQL indicates you need the package with a message like this:



Open a web browser to this URL:

http://www.microsoft.com/en-us/download/details.aspx?id=17851

2. Once at the Microsoft website, click the Download button.



3. When prompted to install other applications, just click "No thanks and continue".



4. In this window, choose Run.



5. Choose "Install".



6. Once the installation is complete, click Finish. Restart your computer.