Installing MySQL

This is a step by step guide for installing the MySQL database and MySQL Workbench, and the creation and population of the HARVESTER database.

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Downloading Software

All application software can be downloaded from the MySQL website. There are two applications that are required:

MySQL Database https://dev.mysql.com/downloads/mysql/5.7.html

MSQL Workbench https://dev.mysql.com/downloads/workbench/

These instructions are designed for the MSI installer option so make sure you download the MySQL Installer for Windows option. If you are new to MySQL or don't feel confident installing on the commandline, then the MSI installer is the best option. Alternatively, if you are a more advanced user, you could opt of the ZIP Archive.

Installing the MySQL Database Software

Navigate to the downloaded MySQL database installation application, typically *mysql-installer-community-5.7.22.1.exe*, and run it.





Read the licence agreement then click *I accept the licence terms* and click the *Next* button.

	r lease select the setap rype that saits you	ur use case.
License Agreement Choosing a Setup Type Installation Installation Complete	 Developer Default Installs all products needed for MySQL development purposes. Server only Installs only the MySQL Server product. Client only Installs only the MySQL Client products, without a server. Full Installs all included MySQL products and features. Custom Manually select the products that should be installed on the system. 	Setup Type Description Installs only the MySQL Server. This type should be used where you want to deploy a MySQL Server, but will not be developing MySQL applications.

Select the Server only option and click Next.

MySQL Installer				
MySQL. Installer Adding Community	Installation			
	Press Execute to upgrade the following pro	ducts.	Program	Notor
License Agreement	MySQL Server 5.7.22	Ready to Install	Progress	Notes
Choosing a Setup Type				
Installation				
Product Configuration				
Installation Complete				
	Click [Execute] to install or update the follow	ving packages		
		< <u>B</u> ack	Execute	<u>C</u> ancel

Click *Execute* to begin the installation.

NySQL Installer				_ 🗆 ×
MySQL. Installer	Installation			
	Press Execute to upgrade the following	products.	D	Natas
License Agreement	MySQL Server 5.7.22	Complete	Progress	Notes
Choosing a Setup Type				
Installation				
Product Configuration				
Installation Complete				
	<u>Show Details ></u>			
		< <u>B</u> ack	<u>N</u> ext >	<u>C</u> ancel

Installation takes a few moments.



Click Next to begin configuration of MySQL. Most options are default settings.



Select the default Standalone option and click Next to continue.

NySQL Installer	
MySQL. Installer MySQL Server 5.7.22	Type and Networking Server Configuration Type Choose the correct server configuration type for this MySQL Server installation. This setting will define how much system resources are assigned to the MySQL Server instance.
Group Replication	Config Type: Development Computer
Type and Networking	Connectivity
Accounts and Roles	Use the following controls to select how you would like to connect to this server. TCP/IP Port Number: 3306
Windows Service	Open Windows Firewall port for network access
Plugins and Extensions	Named Pipe Pipe Name: MYSQL
Apply Configuration	Shared Memory Memory Name: MYSQL
	Advanced Configuration
	Select the check box below to get additional configuration page where you can set advanced options for this server instance. Show Advanced Options
	< <u>B</u> ack <u>N</u> ext > <u>C</u> ancel

Select the default options and click *Next*.

NySQL Installer				
MySQL. Installer MySQL Server 5.7.22	Accounts and Ro Root Account Password Enter the password for the place.	DIES root account. Please	remember to store this pa:	ssword in a secure
Group Replication Type and Networking	MySQL Root Password: Repeat Password:		n Modium	
Accounts and Roles		Password strengtr	E Medium	
Windows Service				
Plugins and Extensions	MySQL User Accounts			
Apply Configuration	Create MySQL user accour consists of a set of privile	nts for your users and ges.	applications. Assign a role f	to the user that
	MySQL Username	Host	User Role	Add User
				Edit User
			< <u>B</u> ack <u>N</u> ex	t > Cancel

Now set a root password and keep it safe. You will need it to administer the daytabase. Now click *Add User* to create a database user.

🔝 MySQL User De	tails		x
Please specify	the usernam	e, password, and database role.	
Server	Username Host	alpha localhost	
	Role	DB Admin 💌	
	Authentication	MySQL	
	Password	•••••	
Cont	firm Password	•••••	
		Password Strength: Weak	
		<u>O</u> K <u>C</u> ancel	

Create the new database user and set the Host to localhost.

NySQL Installer				
MySQL. Installer MySQL Server 5.7.22	Accounts and Ro Root Account Password Enter the password for the place.	D les root account. Please r	remember to store th	is password in a secure
Group Replication	MySQL Root Password:	•••••		
Type and Networking	Repeat Password:	Password strength:	Medium	
Accounts and Roles				
Windows Service				
Plugins and Extensions	MySQL User Accounts			
Apply Configuration	Create MySQL user accour consists of a set of privile	nts for your users and a ges.	pplications. Assign a	role to the user that
	MySQL Username	Host	User Role	Add User
	alpha	localhost	DB Admin	<u>E</u> dit User <u>D</u> elete
			< <u>B</u> ack	Next > Cancel

Click Next.



Select the default options and click *Next*.



Select the default options and click *Next*.



The installer will now apply the configuration setting to the database. When the configuration is completed, click *Finish*.

MySQL Installer			
MySQL. Installer Adding Community	Product Configuration We'll now walk through a configuration	n wizard for each of the following products.	
License Agreement	You can cancel at any point if you wish products.	to leave this wizard without configuring all the	
Choosing a Setup Type	Product	Status	
Installation	MySQL Server 5.7.22	Configuration Complete.	
Product Configuration			
Installation Complete			
	۲.		F
		<u>N</u> ext > <u>C</u>	ancel

Click *Next* to begin Product configuration.

NySQL Installer		
MySQL. Installer Adding Community	Installation Complete The installation procedure has been completed.	
License Agreement	Copy Log to Clipboard	
Choosing a Setup Type		
Installation		
Product Configuration		
Installation Complete		
	<u> </u>	inish

Installing MySQL Workbench

Navigate to the downloaded MySQL Workbench software, typically *mysql-workbench-community- 6.3.8-win32.exe*, and run it.



Click Next.

Select the *Add* option and click *Next*.

🔂 MySQL Workbench 6.3 CE - Setup W	izard		×
Custom Setup Select the program features you want ins	stalled.		e a
Click on an icon in the list below to change h	now a feature is in:	stalled.	
Program Shortcut		Feature Descrip Core component MySQL Workben This feature req your hard drive.	tion ts needed to run uch uires 0KB on
Help	< <u>B</u> ack	<u>N</u> ext >	Cancel

Click Next.

🖶 MySQL Workbench 6.3 CE - Setup Wizard
Ready to Modify the Program
The wizard is ready to begin installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
Current Settings:
Setup Type:
Destination Folder:
C:\Program Files\MySQL\MySQL Workbench 6.3 CE\
< <u>B</u> ack <u>Install</u> Cancel

Click *Install*. The installation will only take a few moments then the **Completed** screen will be displayed.



Creating and Populating the Harvester Database

Open the MySQL Workbench application.



Click on the *Local Instance MySQL* box to log into the local database.

🕅 Connect to MySQL Server		
Please enter password for the following service:		
Workbench	Service:	Mysql@localhost:3306
	User:	root
	Password:	
		Save password in vault
		OK Cancel

Enter the root password to that set when you were installing the database and click *Ok*.

Once Workbench is open, navigate to the *Open SQL Script* in the the *File* menu.



In the file dialog box, navigate to

C:\Program Files (x86)\SIGINT Systems\Harvester\resources\setup\database

and open the *create_db.sql* file.



Once the file is open, click the *Execute* icon \checkmark on the toolbar.

This will create the new HARVESTER database. Next open and execute the *populate_db.sql* file. This will build all the narrative tables that HARVESTER requires to run.

Once the is done, the MySQL has been successfully installed and the HARVESTER has been successfully created.

You can now run HARVESTER for the first time!