# How to install MySQL Server 8 (64-bit) for Qbit-TNT

Ken Austin 2018-03-06

# (\*\* Work in progress \*\*)

### Downloads

Download the community MySQL server setup program mysql-installer-community-5.7.21.0.msi from <u>https://dev.mysql.com/downloads/windows/installer/5.7.html</u>. Choose the 32-bit MSI installer, about 370 MB.

Download the MySQL Connector/ODBC setup program mysql-connector-odbc-5.3.10-win32.msi from <a href="https://dev.mysql.com/downloads/connector/odbc/">https://dev.mysql.com/downloads/connector/odbc/</a>. Choose the 32-bit MSI installer, about 8 MB.

#### Install MySQL Server

Make sure you are logged into the *Cubiscan* account, which has administrator rights. User *Measure* is not an administrator.

Start the mysql-installer-community program. (These instructions reflect ver 1.4 of the installer)

Accept the license terms, then click [Next].

Select Server Only, then click [Next].



If this requirement for Visual C++ 2013 Redistributable pops up, click [Execute] (not [Next]!).

MySQL Installer			X
MySQL. Installer Adding Community	Check Requirement The following products have fr of this automatically. Requirer Click on those items to try and	ts ailing requirements. The installer will attempt to i ments marked as manual cannot be resolved auto I resolve them manually.	esolve some matically.
License Agreement			<b>C</b> 1
Choosing a Setup Type	O MySQL Server 5.7.21	Kequirement Microsoft Visual C++ 2013 Redistrib	Status
Check Requirements	o myste server smi21		
Installation			
Product Configuration			
Installation Complete			
		< Back Execute Next >	Cancel

Check the "agree" box, then click [Install].



Make sure installation is successful.

If this fails for whatever reason (which it sometimes does), you must click [Cancel] on the MySQL server installer program, download the setup file from Microsoft and install it manually, then restart the MySQL server installer program.

Click [Close].



If Visual C++ 2013 Redistributable installed correctly, click [Next].

~			
MySQL. Installer	Check Requirement	5	
Adding Community	The following products have fa of this automatically. Requirer	illing requirements. The installer will attemp nents marked as manual cannot be resolved	t to resolve some automatically.
icense Agreement	Citics on those items to by and	resolve them manually.	
Chocoming a Setup Type	For Product	Requirement	Status
Dheck Requirements	S MySQL Server 5.7.21	Microsoft Visual C++ 2013 Redistrit	h
etallation			
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Click [Execute] to install MySQL Server.

Kyser installer   Ading community   License Agreement Chock Requirements Installation Product Configuration Installation Complete License Installation Complete	MySQL Installer			
MySQL. Installer Adding Community       Installation         License Agreement       Product Status         Check Requirements       MySQL Server 5.7.21         Installation       Product Configuration         Installation Complete       Click [Execute] to install or update the following packages	S.			
Adding Community         License Agreement         Choosing a Setup Type         Check Requirements         Installation         Product Configuration         Installation Complete         Click [Execute] to install or update the following packages	MySQL: Installer	Installation		
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Check Requirements         Installation         Product Configuration         Installation Complete         Click [Execute] to install or update the following packages	Liconco Agreement	Product	Status Prog	jress Notes
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Check Requirements Installation Product Configuration Installation Complete Click [Execute] to install or update the following packages	Choosing a Setup Type			
Installation Product Configuration Installation Complete Click [Execute] to install or update the following packages	Check Requirements			
Product Configuration Installation Complete Click [Execute] to install or update the following packages	Installation			
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Click [Execute] to install or update the following packages	Installation Complete			
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Click [Execute] to install or update the following packages				
Click [Execute] to install or update the following packages				
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<u>A Back</u> Execute Cancel			< <u>B</u> ack E <u>x</u> ect	ite <u>C</u> ancel

Wait for installation to complete, then click [Next].

NySQL Installer			1000		x
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MySQL. Installer	Installation				
Adding Community	Press Everyte to ungrade the followin	a products			
	Product	Status	Progress	Notes	
License Agreement	MySQL Server 5.7.21	Complete	riogress		1
Choosing a Setup Type	L				
Check Requirements					
Installation					
Product Configuration					
Installation Complete					
	<u>Show Details &gt;</u>				
		< <u>B</u> ack	<u>N</u> ext >	<u>C</u> ancel	

At Product Configuration page, click [Next].

MySQL Installer		
MySQL. Installer Adding Community	Product Configuration We'll now walk through a configuration	on wizard for each of the following products.
License Agreement	You can cancel at any point if you wis products.	sh to leave this wizard without configuring all the
Choosing a Setup Type	Product	Status
Check Requirements	MySQL Server 5.7.21	Ready to Configure
Installation		
Product Configuration		
Installation Complete	<	II
		Next > Cancel

"Standalone MySQL Server" should be selected by default. Click [Next].

MySQL Installer	
MySQL. Installer MySQL Server 5.7.21	Type and Networking  Standalone MySQL Server / Classic MySQL Replication Choose this option if you want to run the MySQL Server either standalone with the opportunity to later configure classic MySQL Replication.
Type and Networking	Using this option you can manually configure your replication setup and provide your own high
Type and Networking	availability solution if required.
Accounts and Roles	Sandbox InnoDB Cluster Setup (for testing only) The <u>InnoDB cluster</u> technology provides an out-of-the-box HA (high availability)
Windows Service	solution for MySQL using Group Replication technology.
Plugins and Extensions	This option allows you to test an InnoDB cluster setup on your local machine using several MySQL Server sandbox instances. Read more about this <u>here</u> .
Advanced Options Apply Configuration	To setup a real-world production InnoDB cluster please choose the standard MySQL Server configuration instead on all desired hosts and use the MySQL Shell afterwards to create or expand the InnoDB cluster setup.
	Client App $\longrightarrow$ MySQL Router InnoDB Cluster
	Next > Cancel

# Accept the defaults for Type and Networking. Click [Next].

NySQL Installer			
MySQL. Installer	Type and Networking		
MySQL Server 5.7.21	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.		
Type and Networking	Config Type: Development Machine 🗸		
Type and Networking	Connectivity		
Accounts and Roles	Use the following controls to select how you would like to connect to this server.		
Windows Consist	☑ TCP/IP Port Number: 3306		
Windows Service	Open Firewall port for network access		
Plugins and Extensions	Named Pipe Pipe Name: MYSQL		
Apply Configuration	Shared Memory Memory Name: MYSQL		
	Advanced Configuration		
	Select the checkbox 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		

# Enter a root password. Use dodoroot Click [Add User].

MySQL Installer			-	
MySQL. Installer	Accounts and Ro	les		
MySQL Server 5.7.21	Root Account Password Enter the password for the r place.	oot account. Pleas	e remember to store thi	s password in a secure
Type and Networking	MySQL Root Password:	•••••		
Type and Networking	Repeat Password:	•••••		
Accounts and Roles		Password strengt	th: Weak	
Windows Service				
Plugins and Extensions	MySQL User Accounts			
Apply Configuration	Create MySQL user accoun consists of a set of privileg	ts for your users and es.	l applications. Assign a r	ole to the user that
	MySQL Username	Host	User Role	<u>A</u> dd User
				<u>E</u> dit User
				Delete
			< <u>B</u> ack	<u>N</u> ext > <u>C</u> ancel

Username is  ${\tt qbit}, password is {\tt cubiscan}.$  Leave other fields as default. Click [OK].



Make sure  $\operatorname{qbit}$  is listed as a user account. Click [Next].

MySQL Installer				
MySQL. Installer MySQL Server 5.7.21	Accounts and Ro Root Account Password Enter the password for the r place.	les root account. Please	e remember to store this pa	ssword in a secure
Type and Networking	MySQL Root Password:	•••••		
Type and Networking	Repeat Password:	•••••	in Mart	
Accounts and Roles		Password strengt	in: weak	
Windows Service				
Plugins and Extensions	MySQL User Accounts			
Apply Configuration	Create MySQL user account consists of a set of privileg	ts for your users and es.	l applications. Assign a role	to the user that
	MySQL Username	Host	User Role	<u>A</u> dd User
	🧟 qbit	%	DB Admin	Edit User
			< <u>B</u> ack <u>N</u> ex	t > Cancel

## Accept the defaults for Windows Service. Click [Next].



Accept the defaults for Plugins and Extensions. Click [Next].

MySQL Installer	
MySQL. Installer	Plugins and Extensions
	MySQL as a Document Store Use the following controls to select how you would like to connect to this server.
Type and Networking	Port Number: 33060
Type and Networking	Open Firewall port for network access
Accounts and Roles	Starting with MySQL Server 5.7, MySQL supports document store development. In order to provide a complete document store/NoSQL experience there is a new communications raced called the X Protocol. The servanded capabilities of the X
Windows Service	Protocol enable us to provide modern developer APIs with features such as asynchronous calls, pipelining, and more. In addition to implementing document
Plugins and Extensions	collections, the new X DevAPI also supports relational and combined document store/relational capabilities. Now developers, designers and DBAs can deploy MixCOL databaser that implement document force relational or buries.
Apply Configuration	MySQL databases that implement document store, relational, or hybrid document/relation models.
	< <u>Back</u> <u>Next</u> <u>Cancel</u>

Click [Execute] to apply the configuration.



## Click [Finish].

Apply Configuration
The configuration operation has finished. 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 Start Menu Link Updating Firewall for MySQL Document Data Feature Set
Finish

## Configuration is complete. Click [Next].

MySQL Installer		
MySQL. Installer Adding Community	Product Configuration	ion wizard for each of the following products.
License Agreement	You can cancel at any point if you w products.	ish to leave this wizard without configuring all the
Choosing a Setup Type	Product	Status
Check Requirements	MySQL Server 5.7.21	Configuration Complete.
Installation		
Product Configuration		
Installation Complete		
	•	4
		Next >

# Click [Finish].

MySQL Installer			
MySQL. In Adding Comm	<b>staller</b> nunity	Installation Complete The installation procedure has been completed.	
License Agreemen Choosing a Setup Check Requireme Installation Product Configur	nt Type nts	C <u>o</u> py Log to Clipboard	
Installation Comp	lete		
			Einish

### Install the MySQL ODBC Connector

Start the mysql-connector-odbc installer.

#### Click [Next].



Select "I accept", then click [Next].



## "Typical" is selected by default. Click [Next].



## Click [Install].



When installation is finished, click [Finish].



## Configure MySQL Server

Start the MySQL 5.7 Command Line Client. (There are two flavors; either one will work.)



#### Enter the root password: dodoroot



Type: create database Cubiscan; and press Enter (don't omit the semicolon). This will create the database TNT will use.



Response should be: Query OK. 1 row affected

Type: quit; and press Enter.



## Finish

Installation and configuration of MySQL is complete.

In TNT-main.ini files, set database type to 2, and make sure only one module is set as Database Master. Comment out all the Connection String entries in order to use the hardcoded default.