



Installatie Abyss Web Server



Installatie Abyss X1 Web Server (AXWS) met PHP7 en MySQL gebeurt in drie stappen.

1. Installatie Abyss Web Server
2. Installatie PHP7
3. Installatie MySQL

- 1 Download het Abyss X1 Web Server pakket voor jouw systeem bij: <https://aprelium.com>

Abyss Web Server [Read More](#)

Abyss Web Server enables you to host your Web sites on your computer.

It supports secure SSL/TLS connections (HTTPS) as well as a wide range of Web technologies.

It can also run advanced PHP, Perl, Python, ASP, ASP.NET, and Ruby on Rails Web applications which can be backed by databases such as MySQL, SQLite, MS SQL Server, MS Access, or Oracle.

- [Abyss Web Server X1 is absolutely free!](#)

[Get your copy now.](#) [Free Download](#)

- [Features overview](#)

- [Do you need advanced capabilities? The professional edition Abyss Web Server X2 is certainly for you.](#) [Buy Now](#)

Home Downloads Buy Online Help & Support Forum

Download Abyss Web Server X1

- » Download Language Files
- » Installation Instructions
- » Upgrading Instructions
- » Privacy Policy

Download the Personal Edition (Free - No expiration)

The latest version is Abyss Web Server X1 (version 2.11.8)

[Download Abyss Web Server X1 for Windows \(2369 KB\)](#)
(The setup package contains both 32-bit and 64-bit editions.)

[Download Abyss Web Server X1 for Mac OS X/macOS \(3334 KB\)](#)
(Universal Binary)

[Download Abyss Web Server X1 for Linux \(2385 KB\)](#)
(The setup package contains both 32-bit and 64-bit editions.)

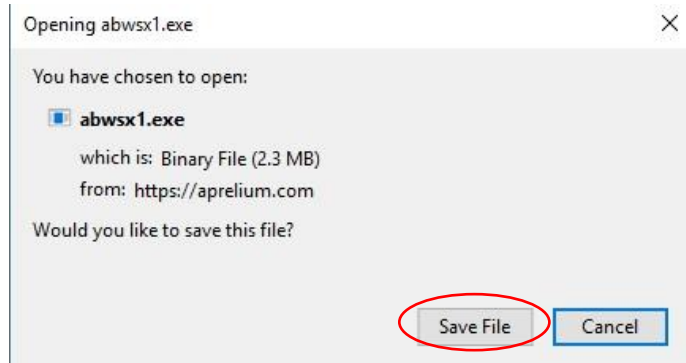


Installatie Abyss Web Server

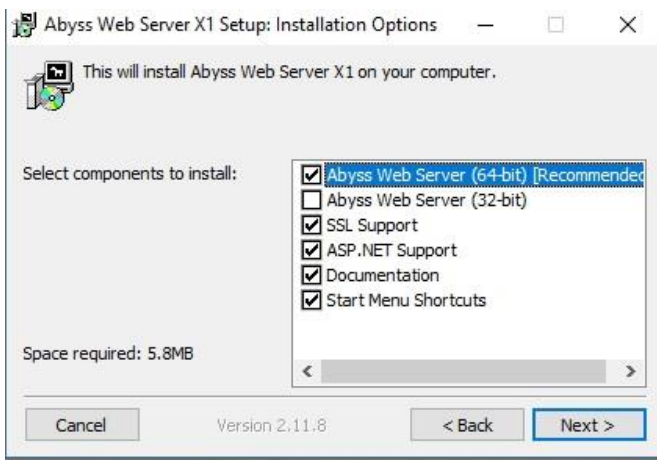


2

Sla het bestand op.

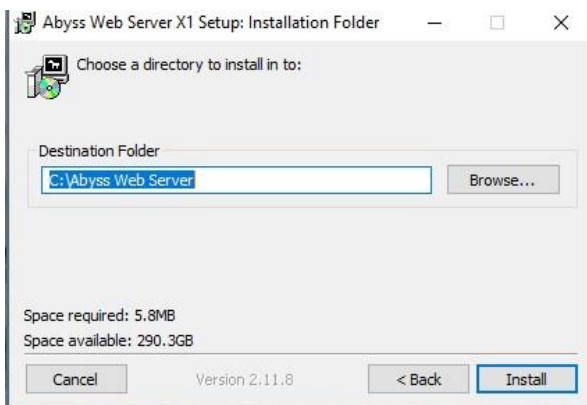


3

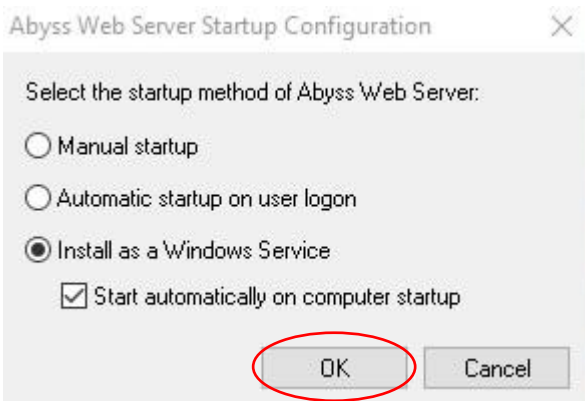


Start het installatieprogramma en accepteer de licentie voorwaarden. Kies de installatie met al de gesuggereerde opties.

4



Gebruik de standaard (default) locatie voor installatie. Dit voorkomt problemen met de installatie van PHP7 en MySQL. Tevens zullen in de rest van de lessen van deze standaard locatie uitgegaan.



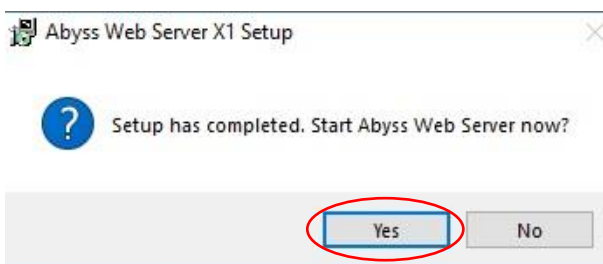


Installatie Abyss Web Server

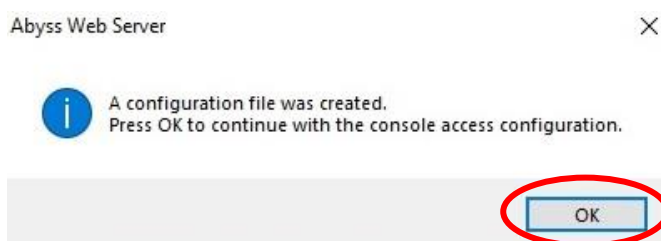


5

Installatie volbracht.



Zet een vinkje bij "Private Networks,..." en haal vinkje weg bij "Public networks.."



Kies de taal die je wilt gebruiken.





Installatie Abyss Web Server



6

Kies een gebruikersnaam en wachtwoord voor toegang tot de Abyss server console.

Access Credentials

Abyss Web Server Console :: Console Configuration :: Access Credentials

Help

Please enter a login and a password. You will use them to authenticate yourself everytime you access the console.

Login :

Password :

Password Again :

Your browser will ask you to enter the new login and password after pressing OK.

OK Cancel

Login met de gekozen gebruikersnaam en wachtwoord.

Abyss Web Server Console

Abyss Web Server Console

Help

Hosts :

Host	Status	
Default Host On Port 80	Running	Stop Configure
Add		



Start je browser en type de URL <http://localhost> in. Je krijgt dan de Abyss standaard welkom pagina te zien.

Welcome to Abyss Web Server

Abyss Web Server is running correctly on your system. You should now change this page with yours.

Please include in your web pages (at least the first) the 'Powered by Abyss Web Server' banner to promote the use of the software.

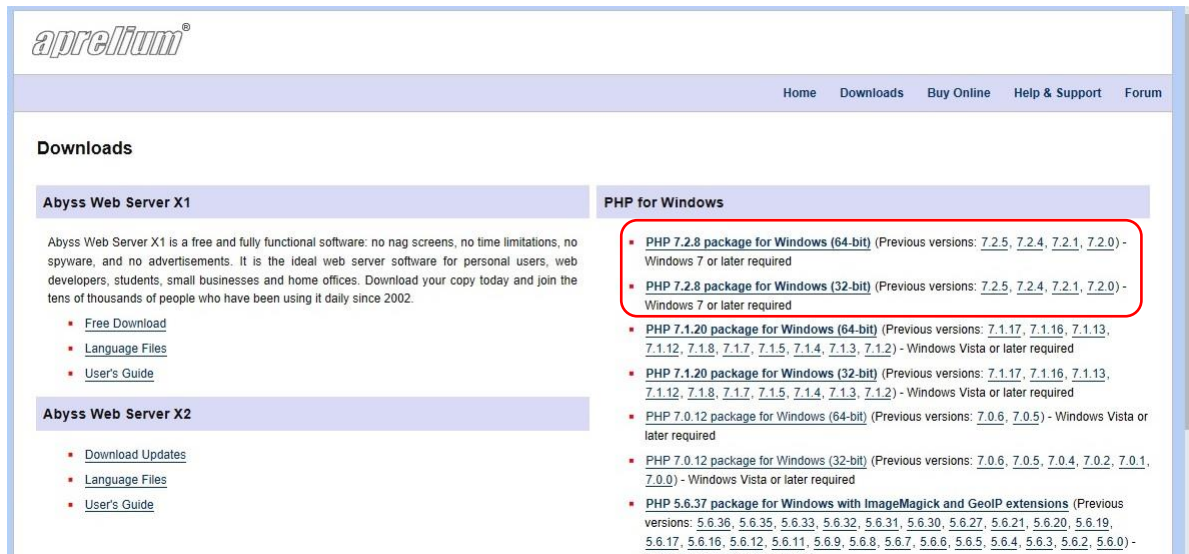
Abyss Web Server - Copyright © 2001-2017 Apertium - All rights reserved



De Abyss Web Server installatie is nu klaar. Ga nu verder met de installatie van PHP7 en vervolgens met die van MySQL.

1

Download de PHP installatie software voor je systeem bij:
<https://aprelum.com/downloads/>



The screenshot shows the 'Downloads' section of the Aprelume website. It features two main columns: 'Abyss Web Server X1' and 'PHP for Windows'. The 'PHP for Windows' column contains a list of download links for various PHP versions (7.2.8, 7.1.20, 7.0.12, 5.6.37) for both 64-bit and 32-bit Windows. The first two links are highlighted with a red rectangle.

Downloads

Abyss Web Server X1

Abyss Web Server X1 is a free and fully functional software: no nag screens, no time limitations, no spyware, and no advertisements. It is the ideal web server software for personal users, web developers, students, small businesses and home offices. Download your copy today and join the tens of thousands of people who have been using it daily since 2002.

- Free Download
- Language Files
- User's Guide

Abyss Web Server X2

- Download Updates
- Language Files
- User's Guide

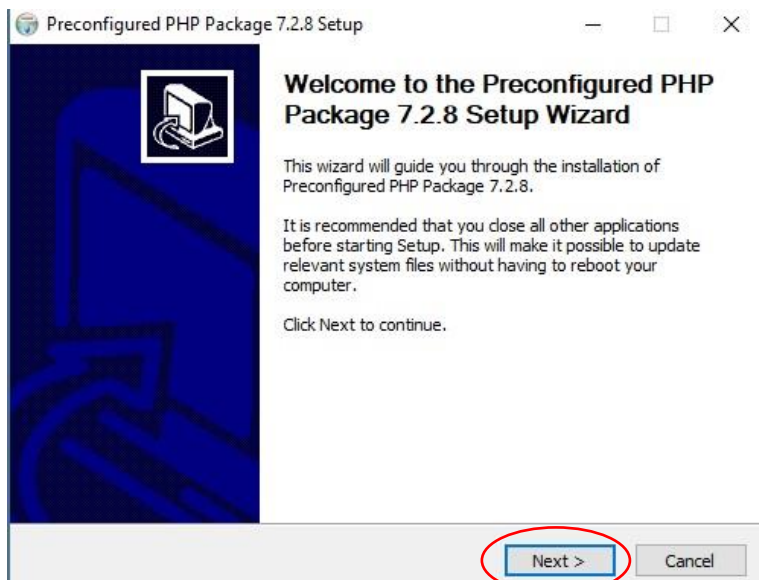
PHP for Windows

- PHP 7.2.8 package for Windows (64-bit) (Previous versions: 7.2.5, 7.2.4, 7.2.1, 7.2.0) - Windows 7 or later required
- PHP 7.2.8 package for Windows (32-bit) (Previous versions: 7.2.5, 7.2.4, 7.2.1, 7.2.0) - Windows 7 or later required
- PHP 7.1.20 package for Windows (64-bit) (Previous versions: 7.1.17, 7.1.16, 7.1.13, 7.1.12, 7.1.8, 7.1.7, 7.1.5, 7.1.4, 7.1.3, 7.1.2) - Windows Vista or later required
- PHP 7.1.20 package for Windows (32-bit) (Previous versions: 7.1.17, 7.1.16, 7.1.13, 7.1.12, 7.1.8, 7.1.7, 7.1.5, 7.1.4, 7.1.3, 7.1.2) - Windows Vista or later required
- PHP 7.0.12 package for Windows (64-bit) (Previous versions: 7.0.6, 7.0.5) - Windows Vista or later required
- PHP 7.0.12 package for Windows (32-bit) (Previous versions: 7.0.6, 7.0.5, 7.0.4, 7.0.2, 7.0.1, 7.0.0) - Windows Vista or later required
- PHP 5.6.37 package for Windows with ImageMagick and GeolIP extensions (Previous versions: 5.6.36, 5.6.35, 5.6.33, 5.6.32, 5.6.31, 5.6.30, 5.6.27, 5.6.21, 5.6.20, 5.6.19, 5.6.17, 5.6.16, 5.6.12, 5.6.11, 5.6.9, 5.6.8, 5.6.7, 5.6.6, 5.6.5, 5.6.4, 5.6.3, 5.6.2, 5.6.0) - Windows Vista or later required

Voor Windows kies uit 64-bit of 32-bit, afhankelijk van je Windows versie. Voor de Mac scroll door naar onderen. Kies daar de juiste versie voor jou systeem. De Mac versie van PHP is momenteel bij versie 5.

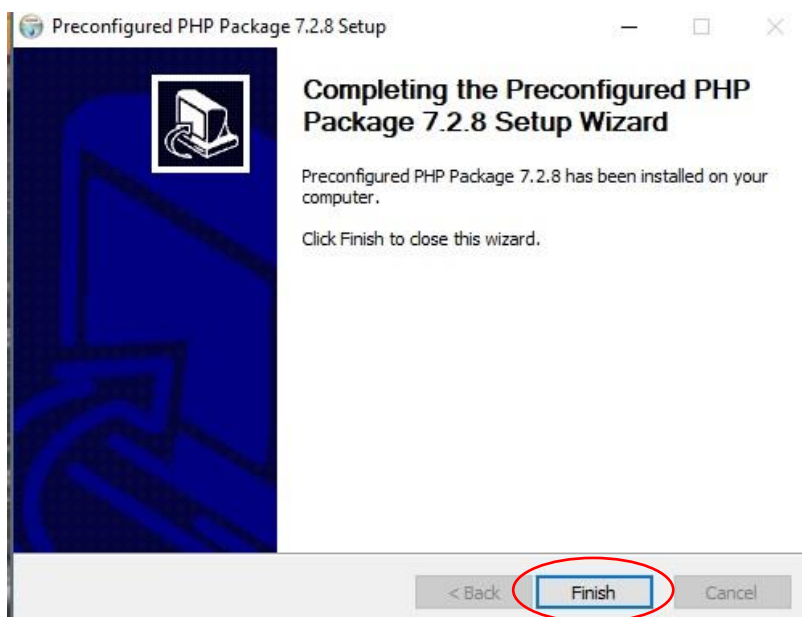
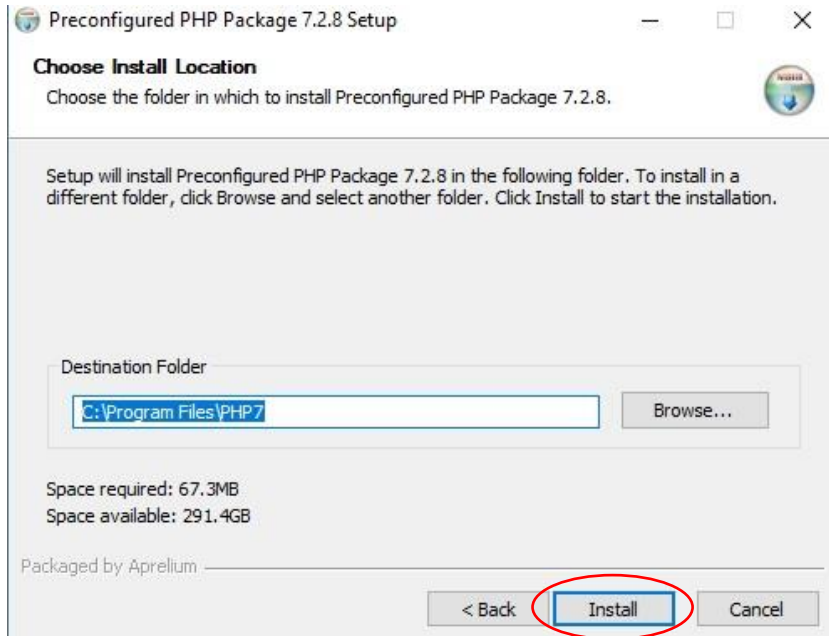
2

Wanneer het downloaden klaar is start het installatie programma en volg de instructies.



Installatie PHP 7 Engine

Installeer de software op de standaard locatie. Dit voorkomt complicaties met de samenwerking met de Abyss Web Server. Klik op de installatie knop.

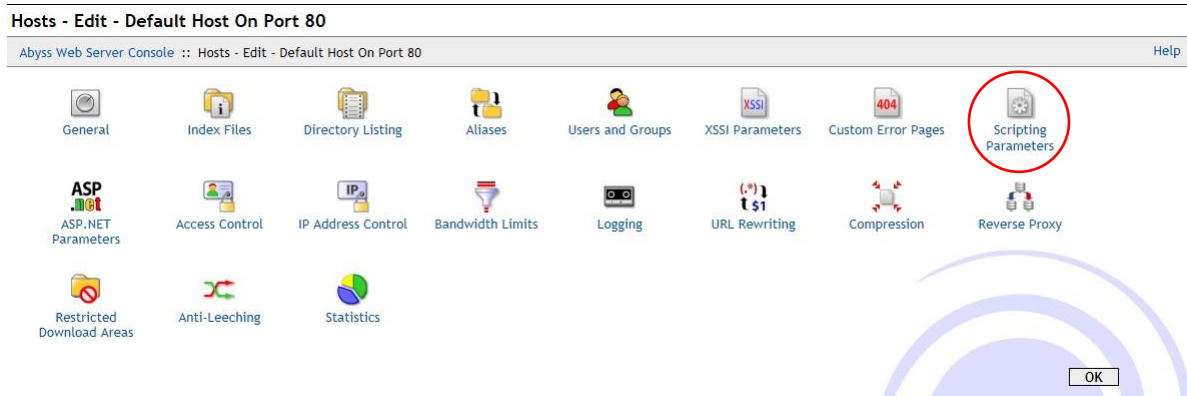


- 3 De Abyss Web Server moet geconfigureerd worden om PHP scripts te herkennen en uit te voeren.

Host	Status		
Default Host On Port 80	Running	Stop	Configure
Add			

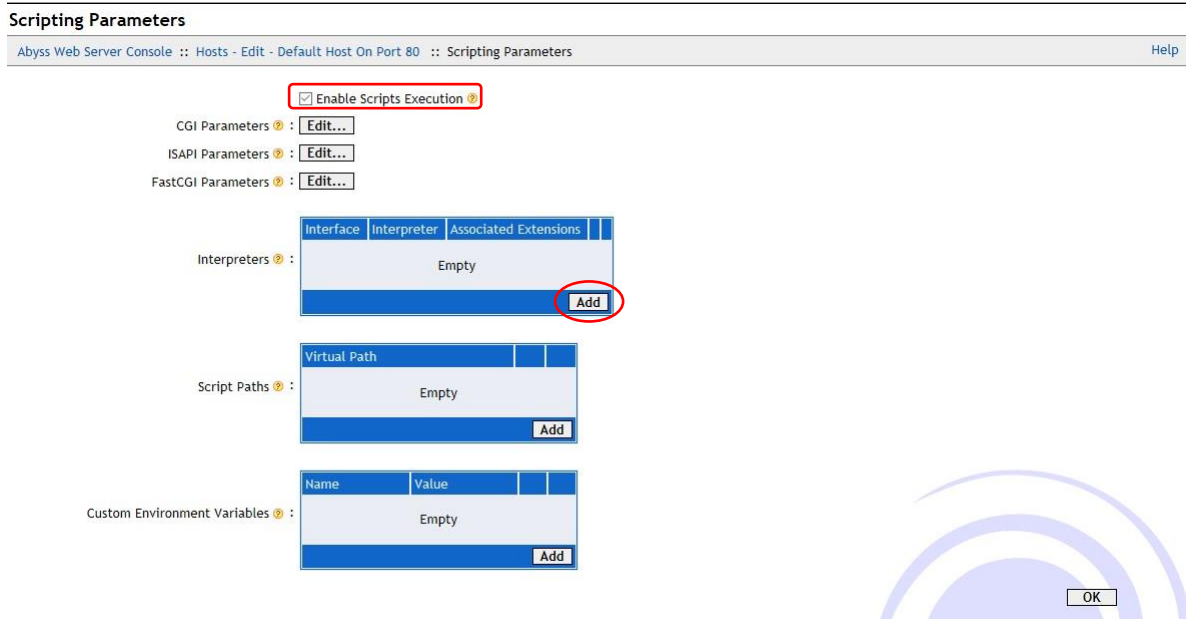
4

Klik op de Scripting Parameters icoon om de Scripting Parameters pagina te kunnen aanpassen.



5

Controleer dat de Enable Scripts Execution hokje is aangevinkt. Klik dan op de add knop in de Interpreters tabel.

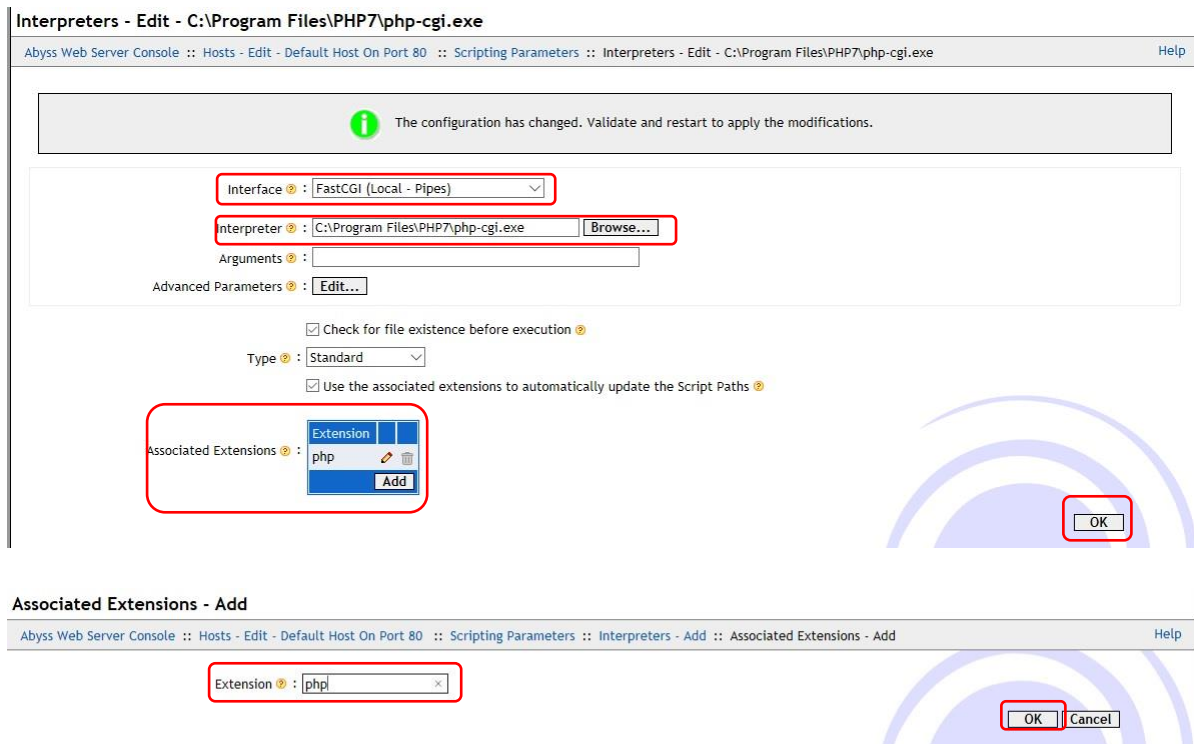




Installatie PHP 7 Engine

6

Pas de Interface aan naar 'FastCGI'. De Interpreter naar de locatie van de PHP interpreter (**php-cgi.exe**) op je systeem. Voeg de extensie 'PHP' toe en klik op de OK knop.



7

Klik de Restart knop in de Console venster om de veranderingen aan de Abyss configuratie toe te voegen.



De Abyss Web Server behoort te werken en documenten met de **.php** extensie herkennen en te interpreteren door de PHP engine.

8

Open notepad en type het onderstaande script in.
<?php phpinfo() ?>

Sla het script op als phpinfo.php in het Abyss document pad map, normaal gesproken bij C:\\Abyss Web Server\\htdocs

9

Type de volgende locatie in de URL van je browser.
<http://localhost/phpinfo.php> De Abyss laat je dan de PHP configuratie pagina zien met alle informatie over PHP



Installatie PHP 7 Engine

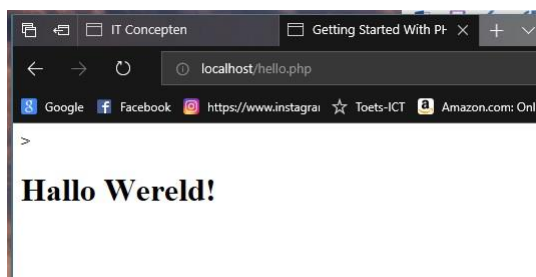


PHP Version 7.2.8	
System	Windows NT JAFO-NSP 10.0 build 17134 (Windows 10) AMD64
Build Date	Jul 18 2018 09:57:47
Compiler	MSVC15 (Visual C++ 2017)
Architecture	x64
Configure Command	cscript /nologo configure.js "--enable-snapshot-build" "--enable-debug-pack" "--with-pdo-oci=c:\php-snap-build\deps_aux\oracle\x64\instantclient_12_1\sdk,shared" "--with-oci8-12c=c:\php-snap-build\deps_aux\oracle\x64\instantclient_12_1\sdk,shared" "--enable-object-out-dir=../obj/" "--enable-com-dotnet=shared" "--without-analyzer" "--with-pgo"
Server API	CGI/FastCGI
Virtual Directory Support	enabled
Configuration File (php.ini) Path	C:\WINDOWS
Loaded Configuration File	C:\Program Files\PHP7\php.ini
Scan this dir for additional .ini files	(none)
Additional .ini files parsed	(none)
PHP API	20170718
PHP Extension	20170718
Zend Extension	320470718

Maak het volgende script in notepad, notepad++ of een andere tekst editor.

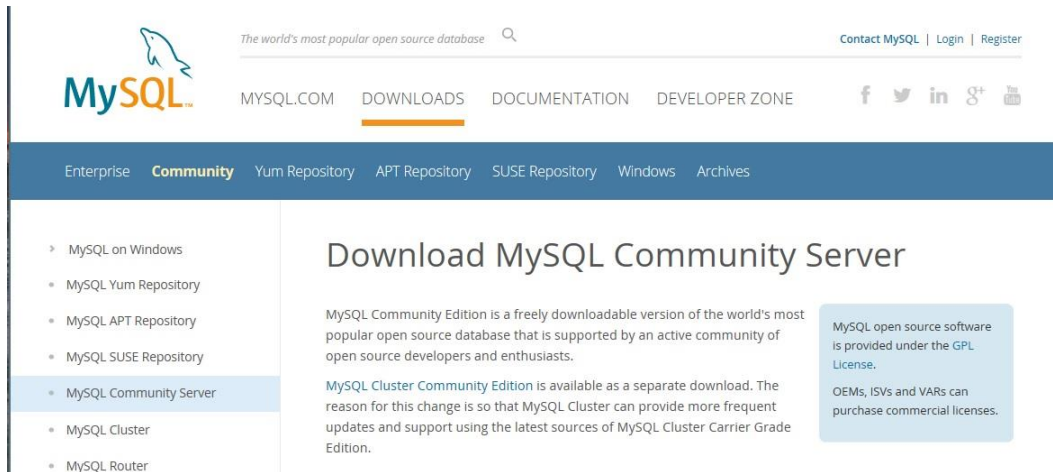
```
hello.php
1 <!DOCTYPE HTML>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8">
5     <title>
6       Getting Started With PHP
7     </title>
8   </head>
9   <body>
10    <?php
11      #De traditionle groet
12      echo '<h1>Hallo Wereld!</h1>';
13    ?>
14  </body>
15 </html>
```

Bewaar het script in de Abyss server's **/htdocs** map en geef het de naam **hello.php**. In de URL van je browser tik je in **http://localhost/hello.php**.



1

Download en installeer the software voor MySQL van <https://dev.mysql.com/downloads/mysql/>

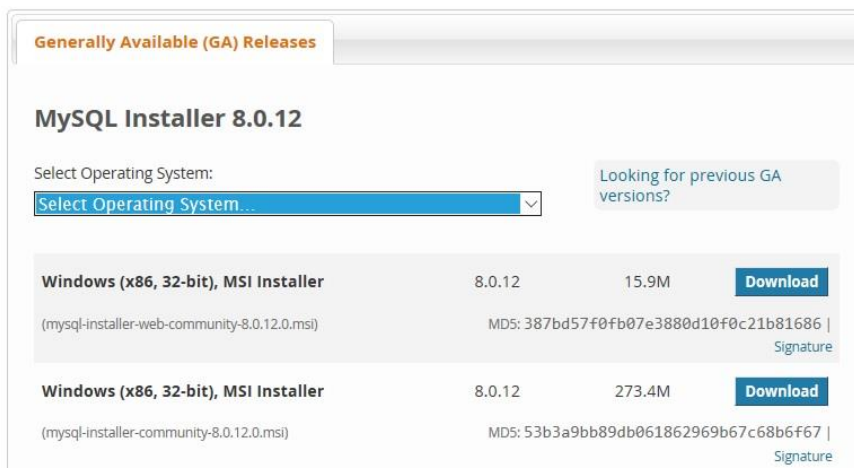


The screenshot shows the MySQL Downloads page. The header includes the MySQL logo, the tagline "The world's most popular open source database", and links for "Contact MySQL", "Login", and "Register". The main navigation bar has links for "MySQL.COM", "DOWNLOADS" (highlighted), "DOCUMENTATION", and "DEVELOPER ZONE". A secondary navigation bar lists "Enterprise", "Community" (highlighted), "Yum Repository", "APT Repository", "SUSE Repository", "Windows", and "Archives". The left sidebar lists various MySQL products, with "MySQL Community Server" selected. The main content area is titled "Download MySQL Community Server" and describes the MySQL Community Edition as a freely downloadable version of the world's most popular open source database. It also mentions the MySQL Cluster Community Edition. A blue box on the right states: "MySQL open source software is provided under the GPL License. OEMs, ISVs and VARs can purchase commercial licenses."

Heb je MacOS, klik dan in de search balk boven en tik in: MySQL for MacOS en kies uit de getoonde lijst de juiste versie voor jouw systeem.



The screenshot shows the MySQL on Windows page. The header and navigation are identical to the previous screenshot. The left sidebar lists various MySQL products, with "MySQL on Windows" selected. The main content area is titled "MySQL on Windows" and describes the suite of tools for developing and managing business critical applications on Windows. It highlights the "MySQL Installer" as an easy-to-use, wizard-based installation experience. A blue box on the right states: "MySQL open source software is provided under the GPL License. OEMs, ISVs and VARs can purchase commercial licenses."



The screenshot shows the MySQL Installer 8.0.12 download page. The header includes the "Generally Available (GA) Releases" tab. The main content area is titled "MySQL Installer 8.0.12". Below the title, there is a "Select Operating System:" dropdown menu with "Select Operating System..." selected. To the right, there is a link "Looking for previous GA versions?". Below this, there is a table with two rows of download links for Windows (x86, 32-bit) MSI Installers.

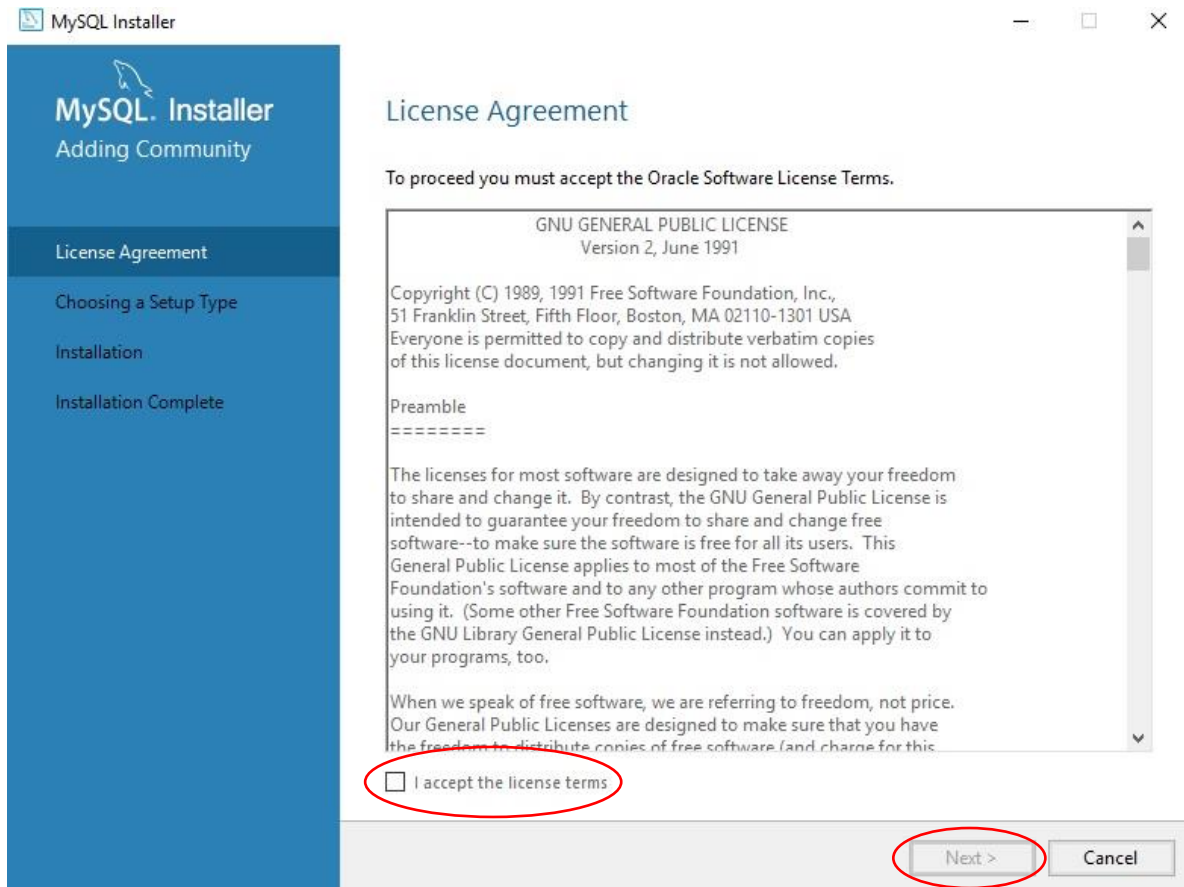
Operating System	Version	Size	Download
Windows (x86, 32-bit), MSI Installer (mysql-installer-web-community-8.0.12.0.msi)	8.0.12	15.9M	Download
Windows (x86, 32-bit), MSI Installer (mysql-installer-community-8.0.12.0.msi)	8.0.12	273.4M	Download

MD5: 387bd57f0fb07e3880d10f0c21b81686 | Signature

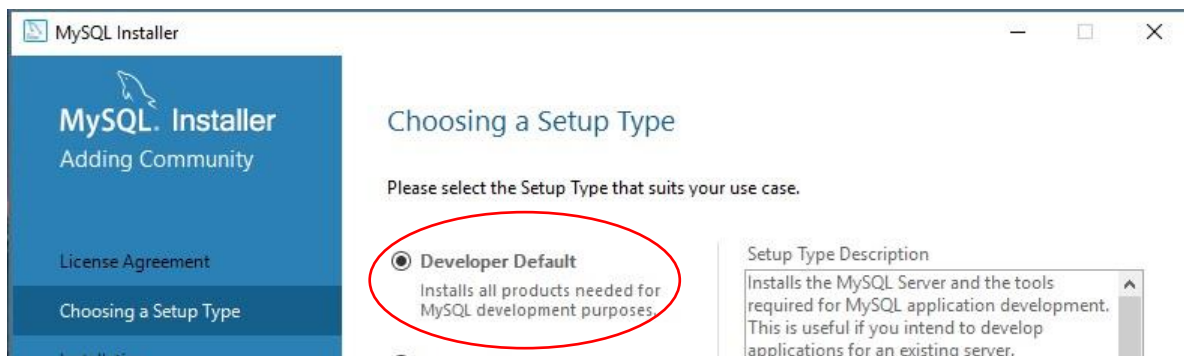
MD5: 53b3a9bb89db061862969b67c68b6f67 | Signature

2

Start het installatie programma. Accepteer de licentie voorwaarden. Klik op de Next knop. Kies Developer Default.

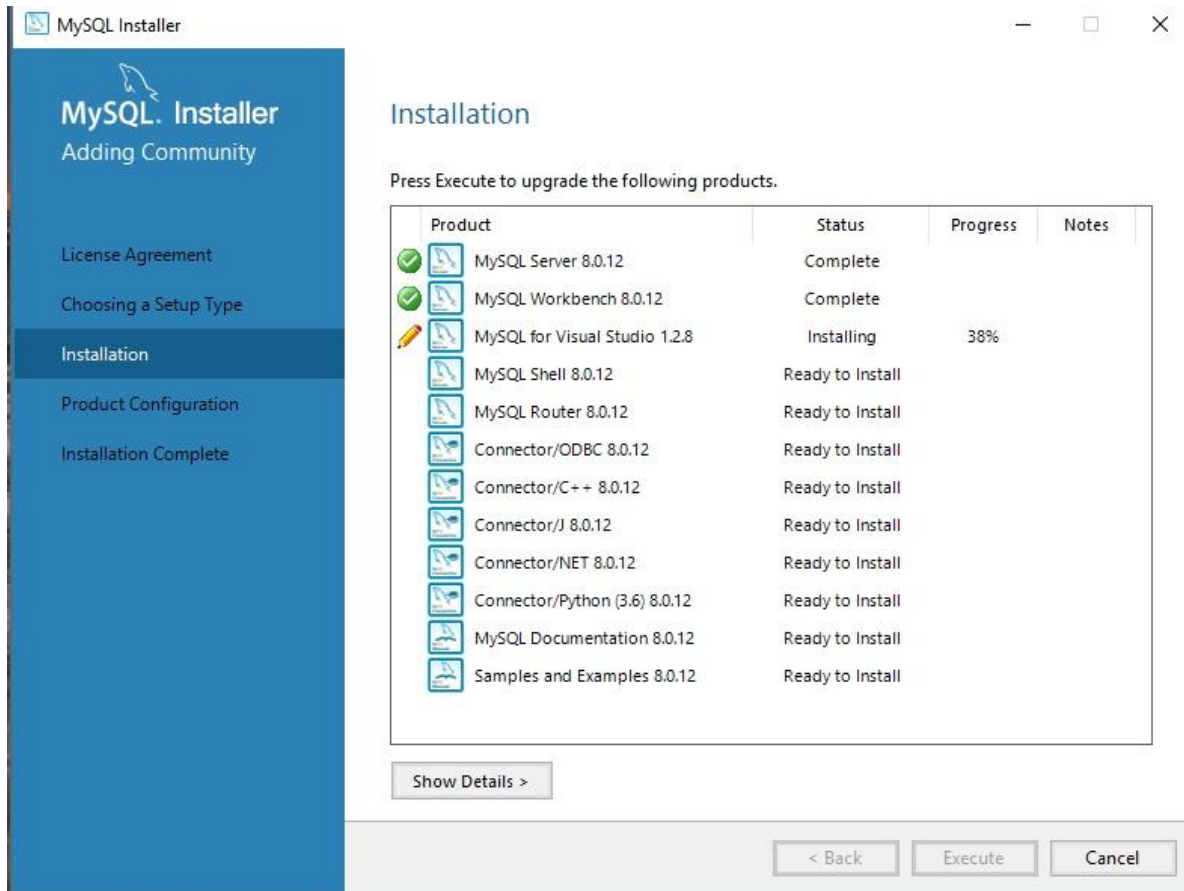


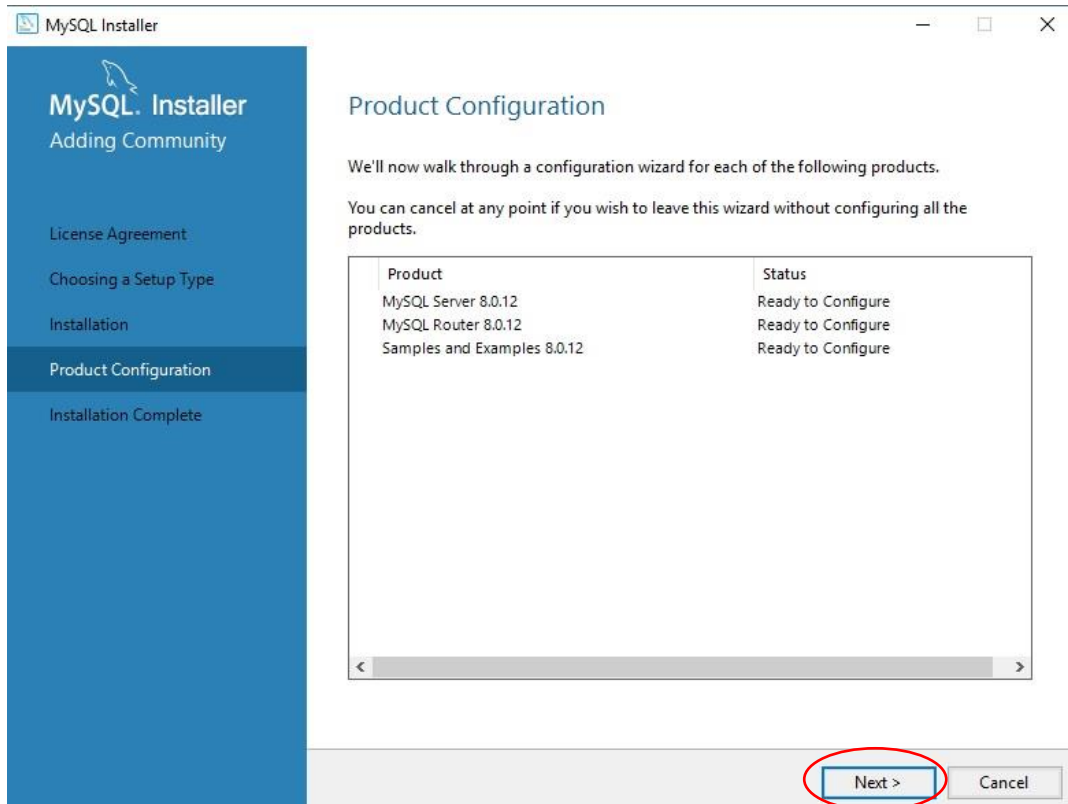
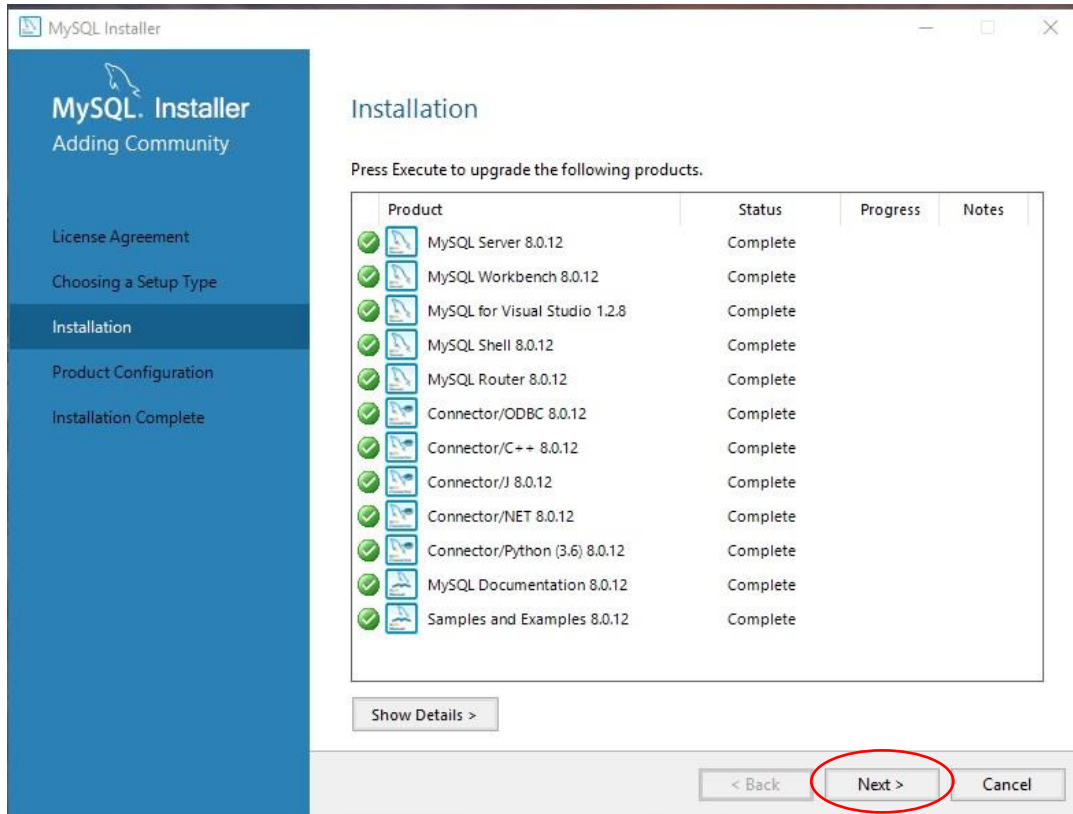
Kies Developer Default.



3

Zorg dat je internet verbinding hebt zodat het programma eventuele missende delen kan downloaden.





MySQL Installer
MySQL Server 8.0.12

Group Replication
Type and Networking
Authentication Method
Accounts and Roles
Windows Service
Logging Options
Advanced Options
Apply Configuration

Group Replication

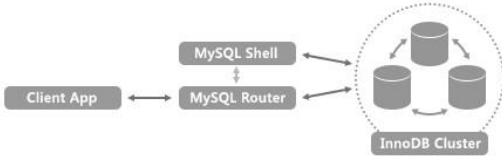
☒ **Standalone MySQL Server / Classic MySQL Replication**
Choose this option if you want to run the MySQL Server either standalone with the opportunity to later configure classic MySQL Replication.

Using this option you can manually configure your replication setup and provide your own high availability solution if required.

☐ **Sandbox InnoDB Cluster Setup (for testing only)**
The [InnoDB cluster](#) technology provides an out-of-the-box HA (high availability) solution for MySQL using Group Replication technology.

This option allows you to test an InnoDB cluster setup on your local computer using several MySQL Server sandbox instances. Read more about this [here](#).

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.



Next >
Cancel

MySQL Installer
MySQL Server 8.0.12

Group Replication
Type and Networking
Authentication Method
Accounts and Roles
Windows Service
Apply Configuration

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.

Config Type: Development Computer

Connectivity
Use the following controls to select how you would like to connect to this server.

☒ TCP/IP Port: 3306 X Protocol Port: 33060

☒ Open Windows Firewall ports for network access

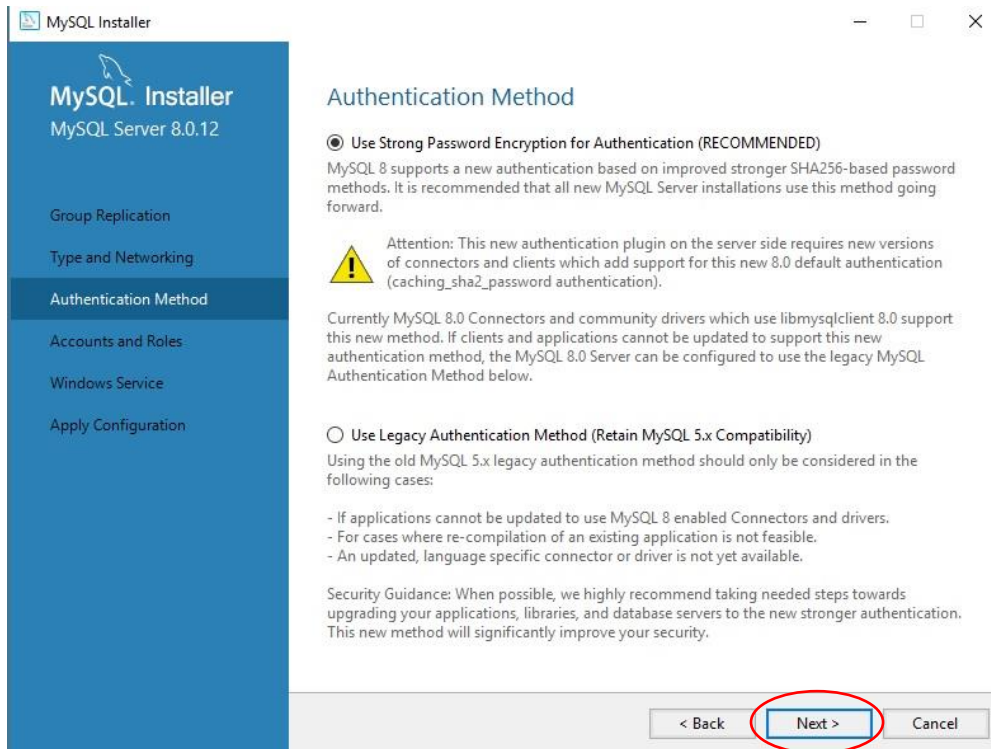
☐ Named Pipe Pipe Name: MYSQL

☐ Shared Memory Memory Name: MYSQL

Advanced Configuration
Select the check box below to get additional configuration pages where you can set advanced and logging options for this server instance.

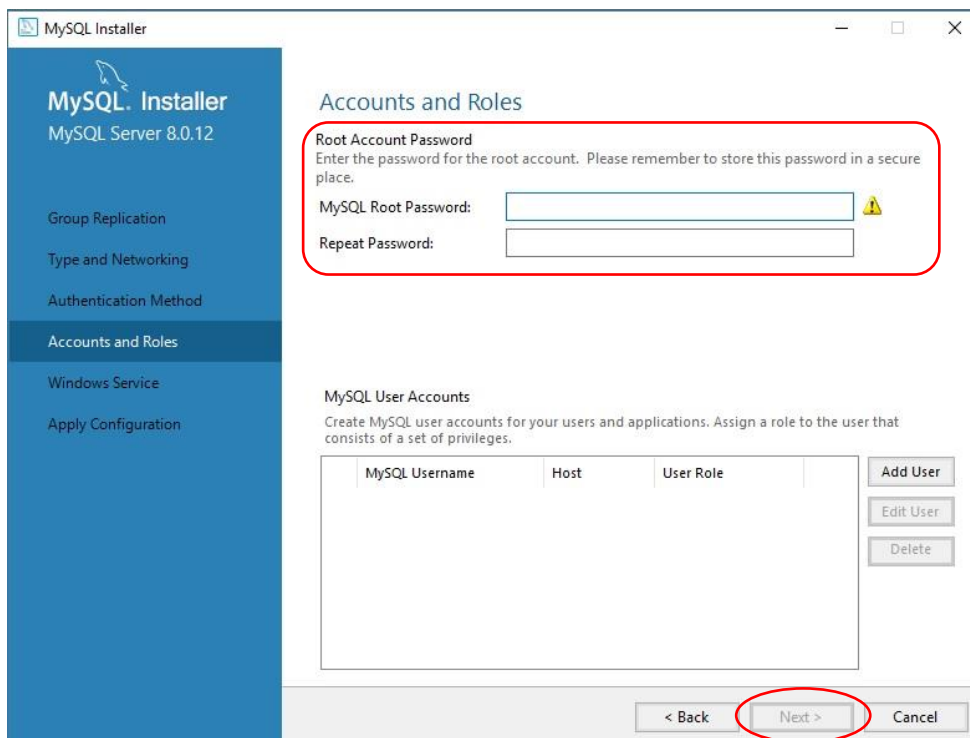
☐ Show Advanced and Logging Options

< Back
Next >
Cancel



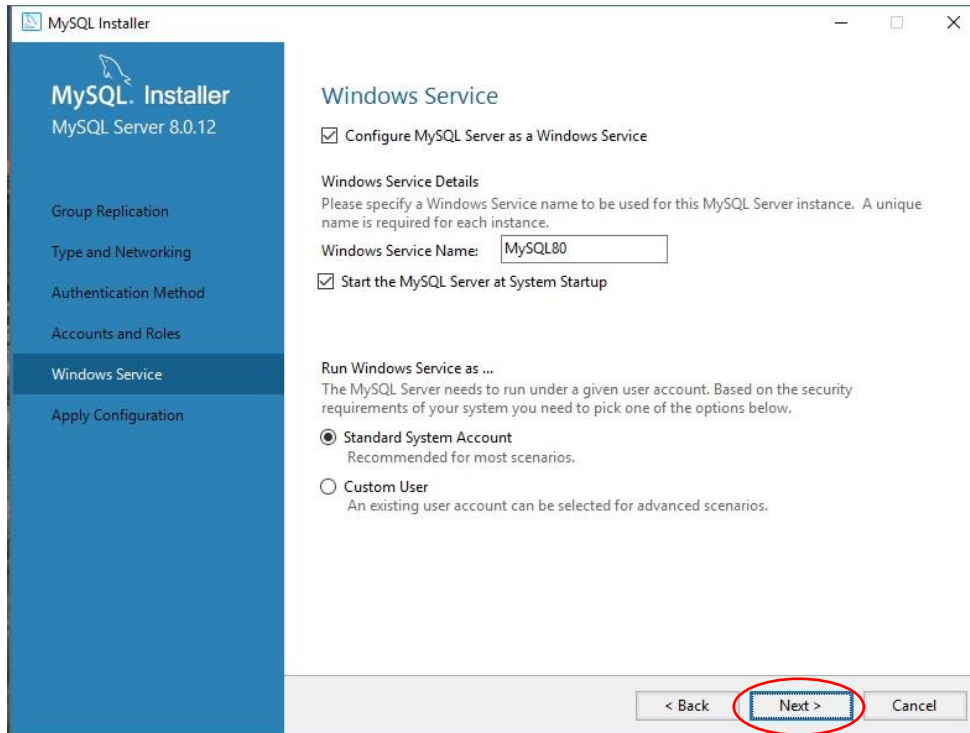
4

Voer twee keer een zelfde wachtwoord in voor de **root** user en klik op de Next knop. Gebruik voor deze lessen het wachtwoord **root**.



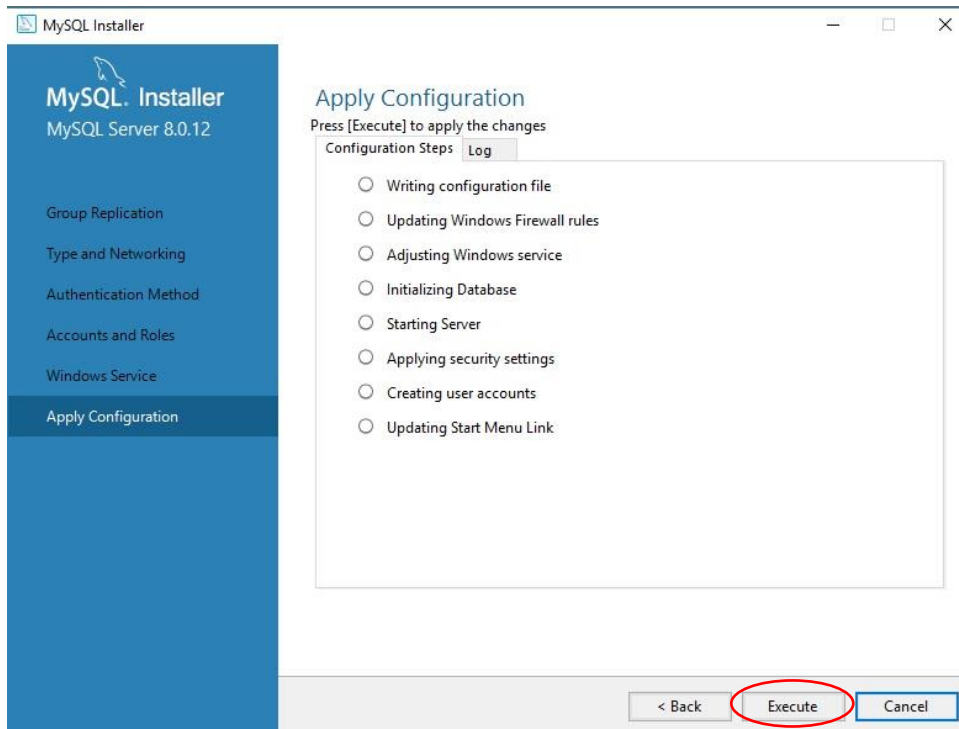
5

Accepteer de voorgestelde Windows Service Name en kies ervoor om de service als Standaard System Account te gebruiken

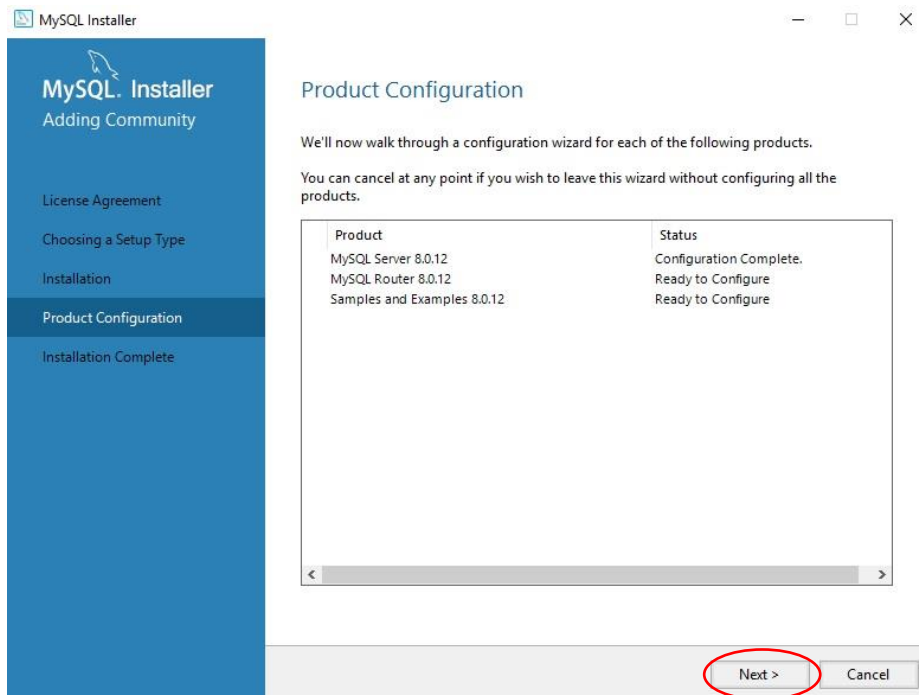
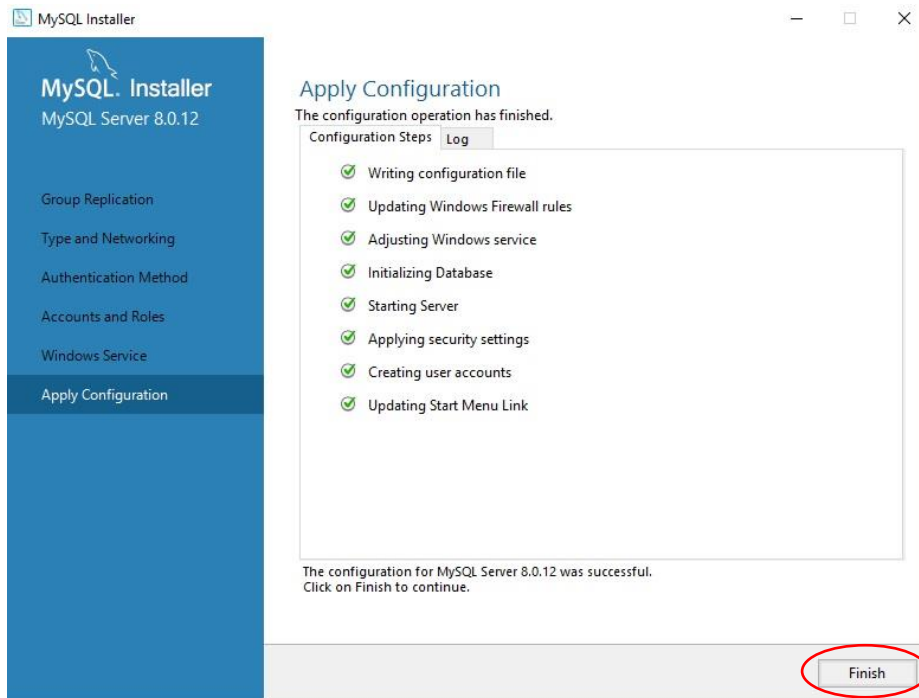


6

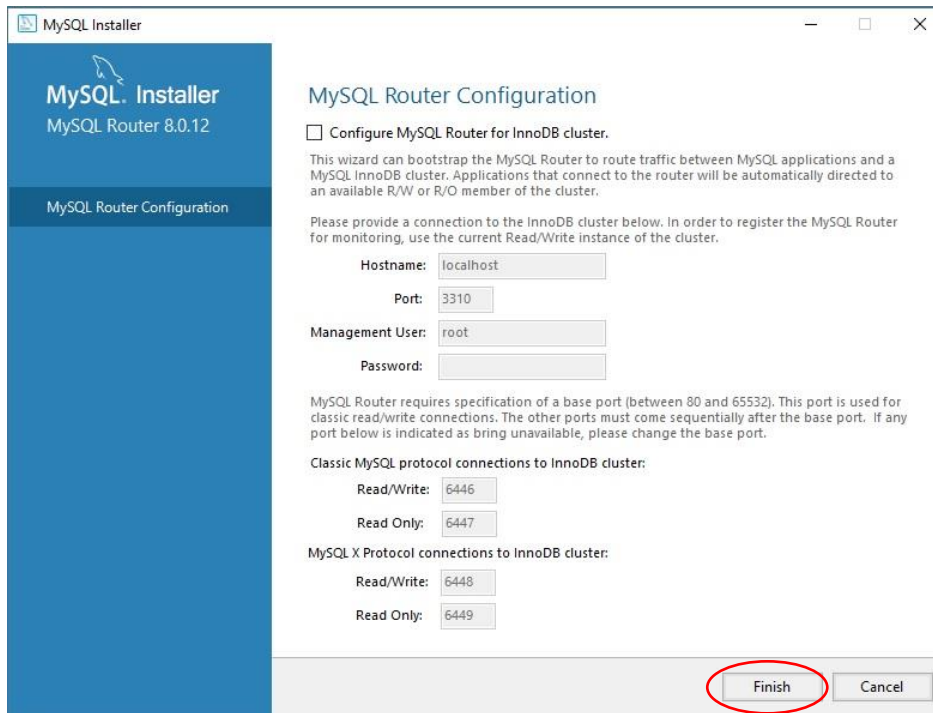
Pas de gemaakte wijzigingen toe. Klik op de knop Execute.



Klik op de knop Finish nadat alle wijzigingen zijn toegevoegd.



Laat alle router configuraties staan en klik op de knop Finish.



MySQL Router Configuration

☐ Configure MySQL Router for InnoDB cluster.

This wizard can bootstrap the MySQL Router to route traffic between MySQL applications and a MySQL InnoDB cluster. Applications that connect to the router will be automatically directed to an available R/W or R/O member of the cluster.

Please provide a connection to the InnoDB cluster below. In order to register the MySQL Router for monitoring, use the current Read/Write instance of the cluster.

Hostname:

Port:

Management User:

Password:

MySQL Router requires specification of a base port (between 80 and 65532). This port is used for classic read/write connections. The other ports must come sequentially after the base port. If any port below is indicated as being unavailable, please change the base port.

Classic MySQL protocol connections to InnoDB cluster:

Read/Write:

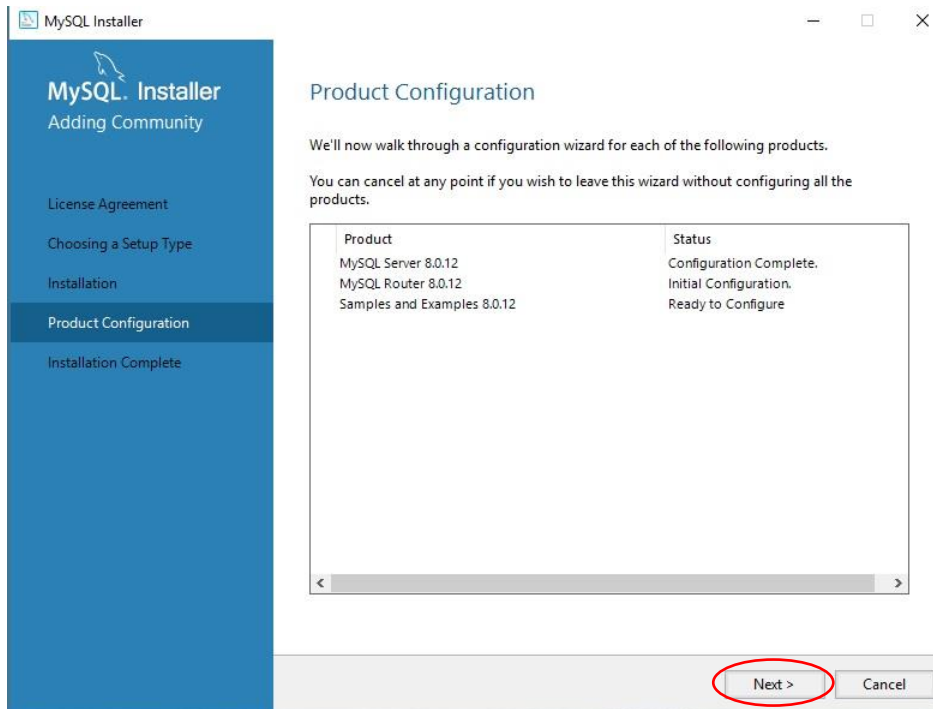
Read Only:

MySQL X Protocol connections to InnoDB cluster:

Read/Write:

Read Only:

Finish **Cancel**



Product Configuration

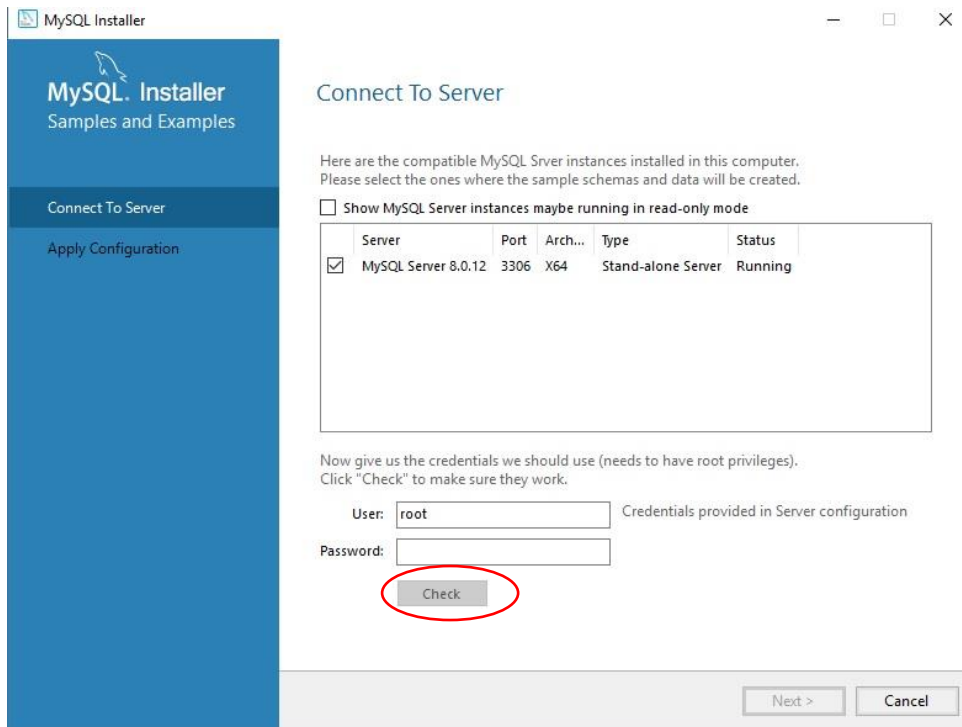
We'll now walk through a configuration wizard for each of the following products.

You can cancel at any point if you wish to leave this wizard without configuring all the products.

Product	Status
MySQL Server 8.0.12	Configuration Complete.
MySQL Router 8.0.12	Initial Configuration.
Samples and Examples 8.0.12	Ready to Configure

Next > **Cancel**

Maak verbinding met de server. Voer het eerder gekozen wachtwoord voor de **Root user** in en klik op de Check knop.



MySQL Installer

MySQL. Installer
Samples and Examples

Connect To Server

Apply Configuration

Connect To Server

Here are the compatible MySQL Svr instances installed in this computer. Please select the ones where the sample schemas and data will be created.

☐ Show MySQL Server instances maybe running in read-only mode

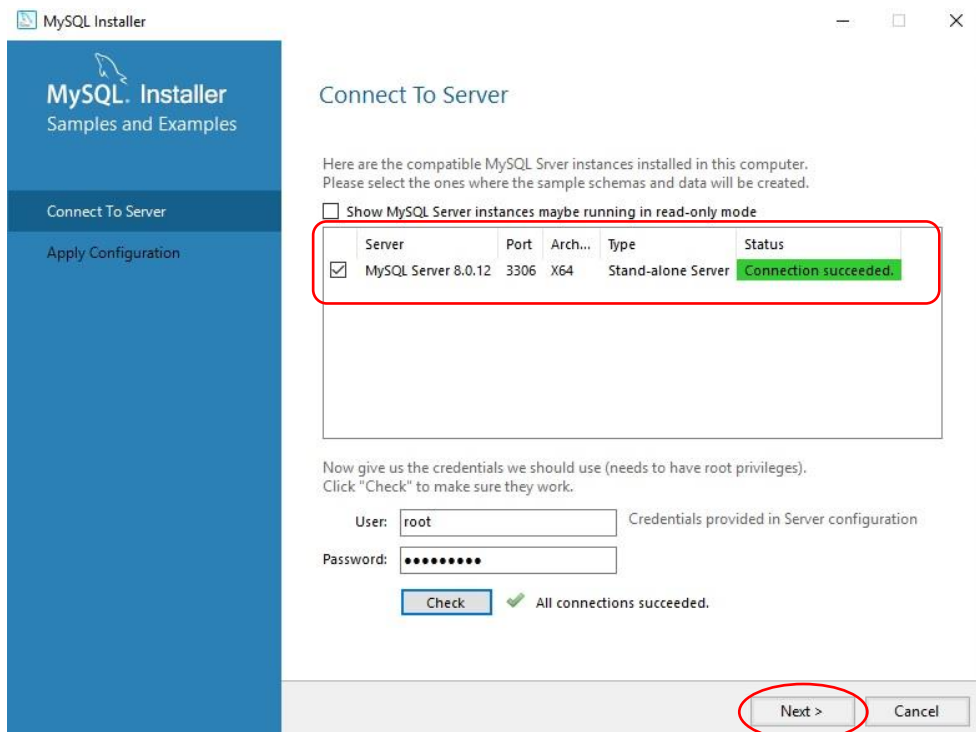
Server	Port	Arch...	Type	Status
☒ MySQL Server 8.0.12	3306	X64	Stand-alone Server	Running

Now give us the credentials we should use (needs to have root privileges). Click "Check" to make sure they work.

User: Credentials provided in Server configuration

Password:

Controleer dat de verbinding succesvol is. Klik dan op de Next knop.



MySQL Installer

MySQL. Installer
Samples and Examples

Connect To Server

Apply Configuration

Connect To Server

Here are the compatible MySQL Svr instances installed in this computer. Please select the ones where the sample schemas and data will be created.

☐ Show MySQL Server instances maybe running in read-only mode

Server	Port	Arch...	Type	Status
☒ MySQL Server 8.0.12	3306	X64	Stand-alone Server	Connection succeeded.

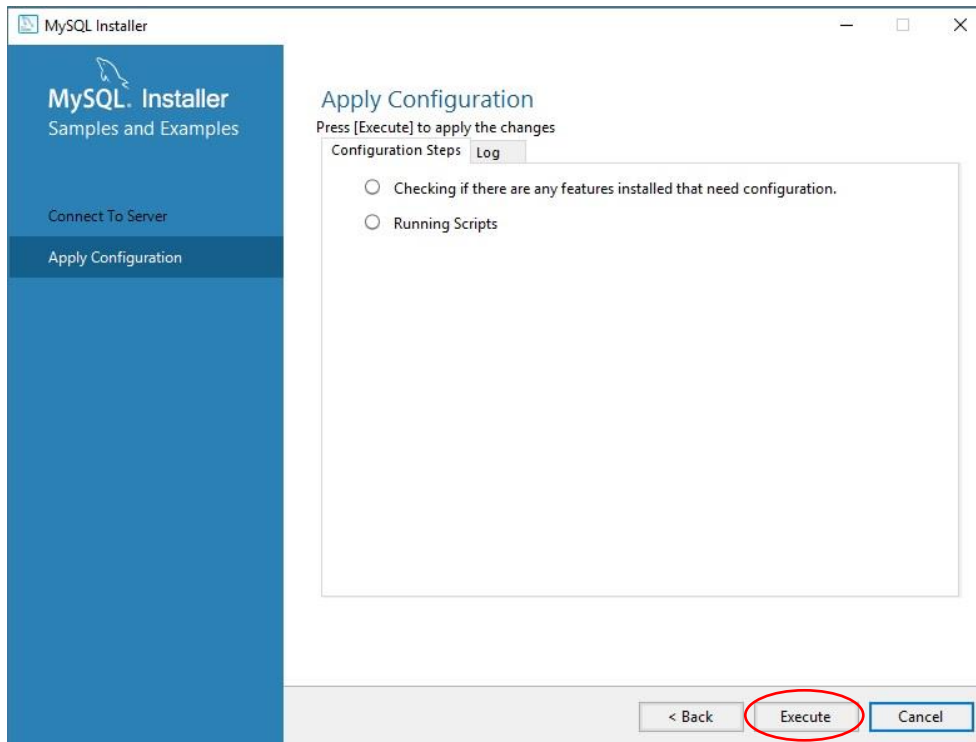
Now give us the credentials we should use (needs to have root privileges). Click "Check" to make sure they work.

User: Credentials provided in Server configuration

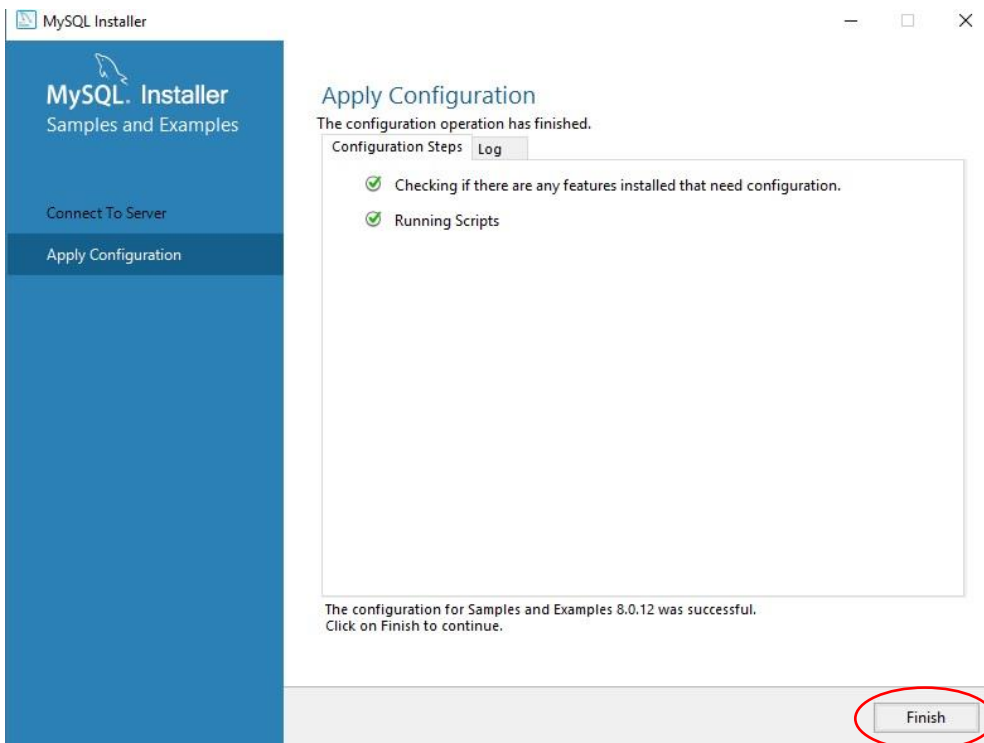
Password:

☒ All connections succeeded.

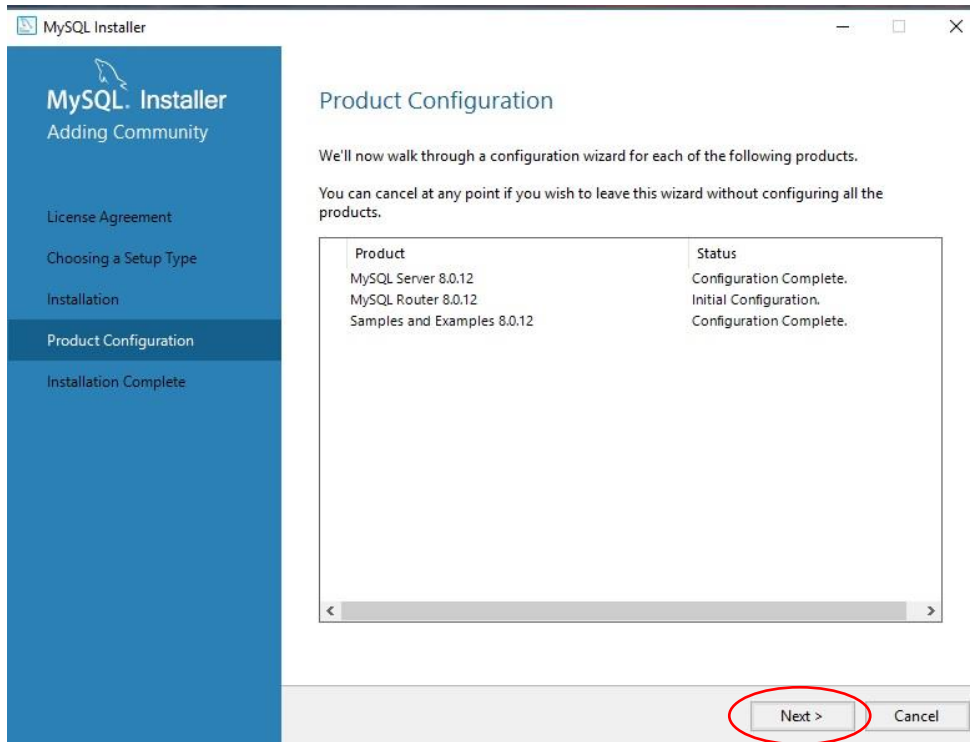
Pas de configuratie wijzigingen toe. Klik op de knop Execute.



Klik op de knop Finish.

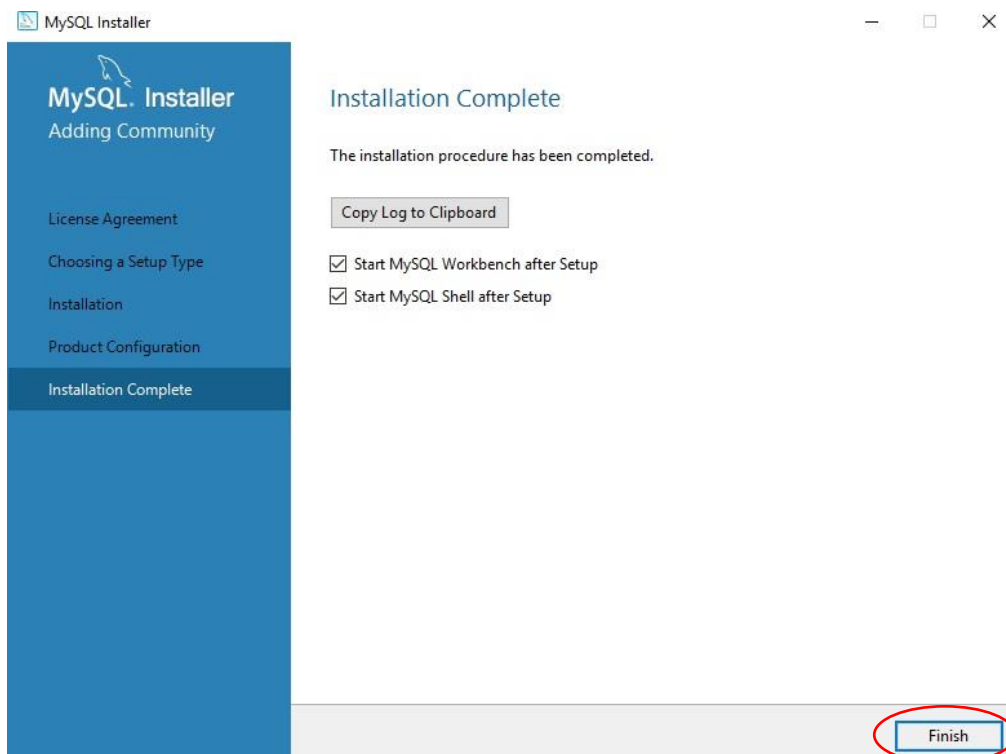


Klik op de knop Next.

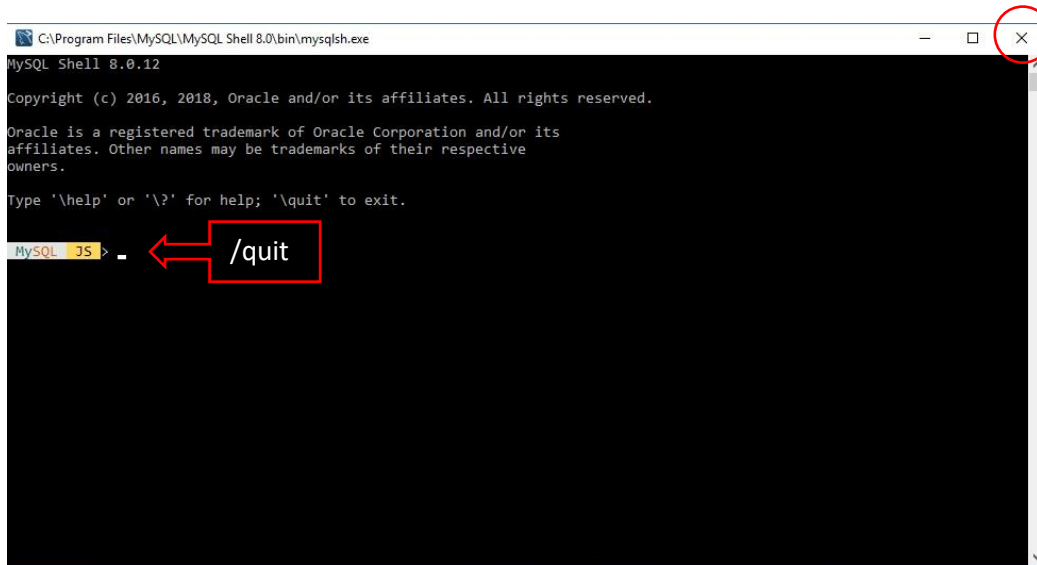


Klik op de knop Next.

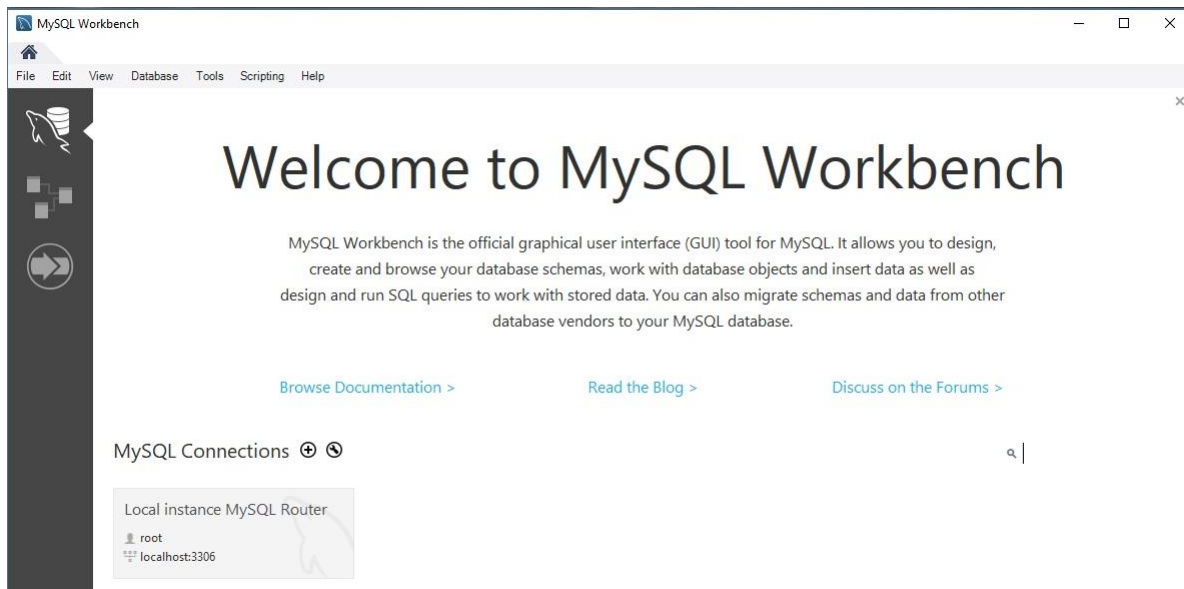
7 De installatie van MySQL is afgerond. Klik op de knop Finish.



Sluit het MySQL venster af. Typ \quit of klik op de knop X rechts boven in het venster.

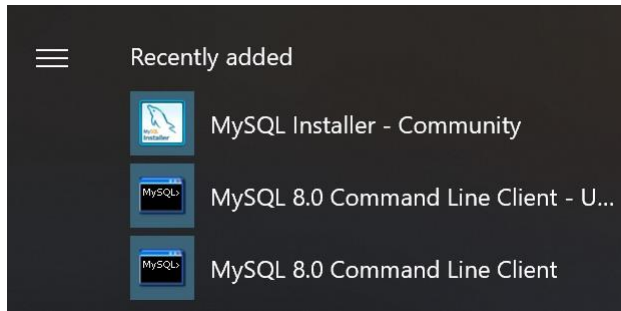


Als alles goed verlopen is zie je nu het MySQL Workbench venster. Dit is de grafische tool om met MySQL databases te werken.



De Abyss Web Server, de PHP engine en MySQL zijn nu geïnstalleerd en klaar voor gebruik.

Je kunt nu via start de MySQL Command Line Client starten

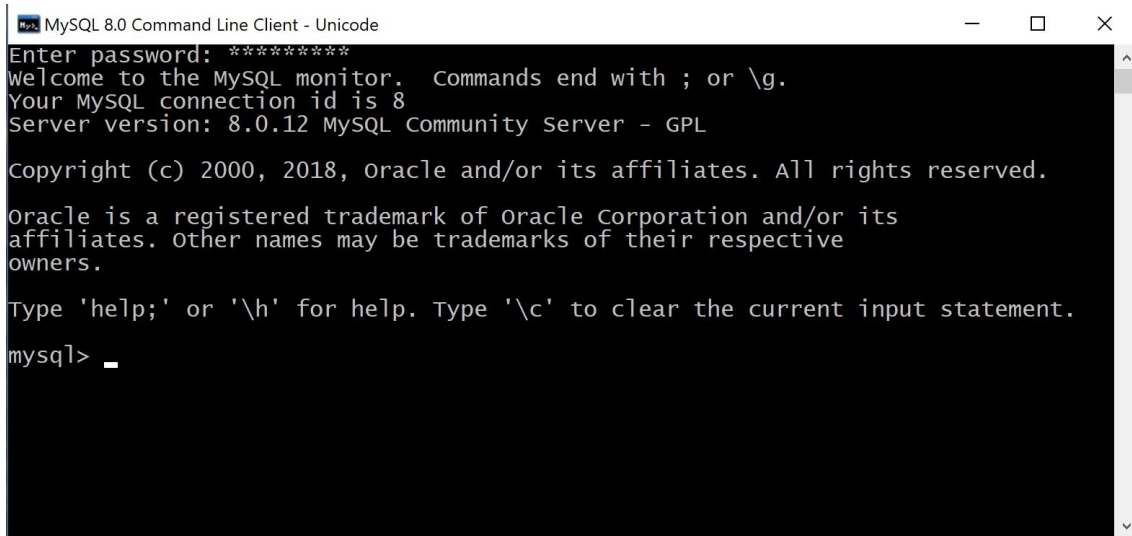


Er zijn twee versies van de client:

1. MySQL 8.0 Command Line Client – UniCode
2. MySQL 8.0 Command Line Client

1

Start het MySQL 8.0 Command Line Client – Unicode console op.



```
MySQL 8.0 Command Line Client - Unicode
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.12 MySQL Community Server - GPL

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owners.

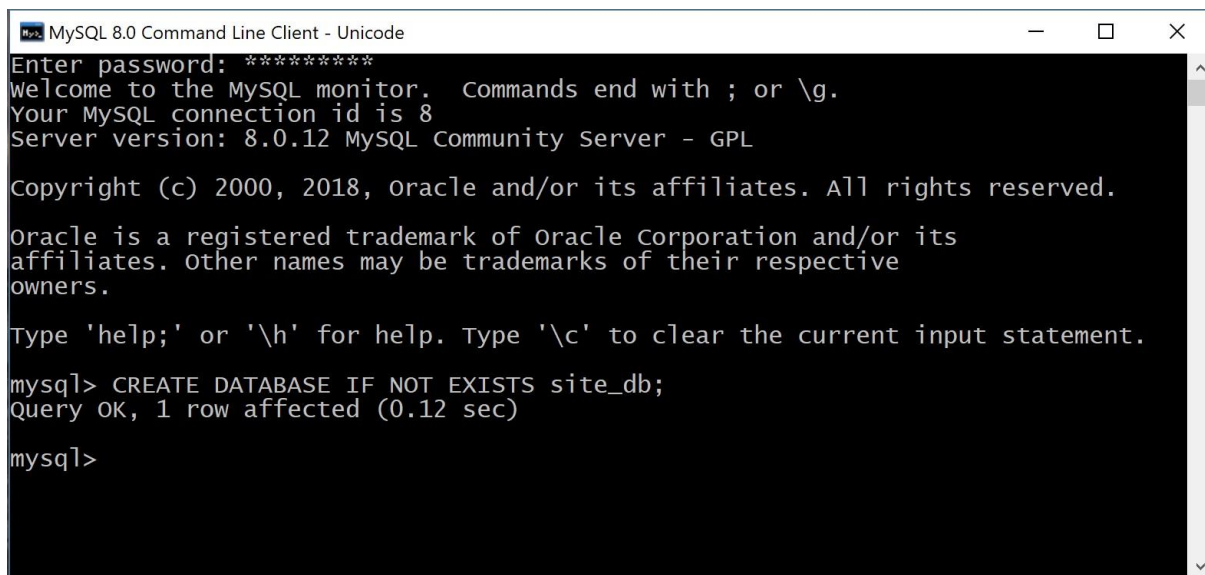
Type 'help;' or '\\h' for help. Type '\\c' to clear the current input statement.

mysql> _
```

2

Bij de mysql> commando prompt, tik exact het Volgende commando in om een nieuwe database 'site_db' aan te maken.

CREATE DATABASE IF NOT EXISTS site_db;



```
MySQL 8.0 Command Line Client - Unicode
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.12 MySQL Community Server - GPL

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\\h' for help. Type '\\c' to clear the current input statement.

mysql> CREATE DATABASE IF NOT EXISTS site_db;
Query OK, 1 row affected (0.12 sec)

mysql>
```

3

ik vervolgens het Volgende commando in om alle databases te tonen die nu bestaan.

SHOW DATABASES;

```
MySQL 8.0 Command Line Client - Unicode
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> CREATE DATABASE IF NOT EXISTS site_db;
Query OK, 1 row affected (0.12 sec)

mysql> SHOW DATABASES;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| sakila |
| site_db |
| sys |
| world |
+-----+
7 rows in set (0.01 sec)

mysql>
```

De root user van MySQL heeft alle rechten. Het is echter niet verstandig om andere gebruikers ook alle rechten te geven.

De root user kan andere gebruikers aanmaken in het MySQL Command Line Client (CLC) venster door een 'grant' instructie te gebruiken.

```
GRANT privileges ON database-name.*
TO 'user-name'@'host-name' IDENTIFIED BY 'password';
```

1

Indien uitgelogd, log in de MySQL CLC venster als root gebruiker en tik het volgende commando in om een nieuwe user aan te maken.

Kies je eigen gebruikersnaam en wachtwoord.

CREATE USER 'nieuwe gebruikersnaam'@'localhost' IDENTIFIED BY 'wachtwoord';

```
mysql> CREATE USER 'rellis'@'localhost' IDENTIFIED BY 'teacher';
Query OK, 0 rows affected (0.06 sec)
```

GRANT SELECT, INSERT, UPDATE ON site_db.* TO 'gebruikersnaam'@'localhost';

```
mysql> GRANT SELECT,INSERT,UPDATE ON site_db.* TO 'rellis'@'localhost';
Query OK, 0 rows affected (0.07 sec)

mysql>
```

2

Tik nu het volgende commando in om na te gaan of de gebruiker is toegevoegd en om zijn/haar rechten te tonen.

`SHOW GRANTS FOR 'gebruikersnaam'@'localhost';`

```
mysql> SHOW GRANTS FOR 'rellis'@'localhost';
+-----+
| Grants for rellis@localhost |
+-----+
| GRANT USAGE ON *.* TO `rellis`@`localhost` |
| GRANT SELECT, INSERT, UPDATE ON `site_db`.* TO `rellis`@`localhost` |
+-----+
2 rows in set (0.00 sec)
```

Je hebt nu een andere user aan gemaakt die beperkte rechten (SELECT, INSERT en UPDATE) heeft over de database.