

# Full Stack JS Setup

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OCI | TRAINING

# Node.js



- To install
  - browse <https://nodejs.org/>
  - click large, green box for "Current" to download installer
  - double-click downloaded installer and follow instructions
- To verify
  - open a terminal window (or Command Prompt in Windows)
  - enter "**node -v**" to see version installed

**10.7.0 Current**

Latest Features



# MySQL

- Relational database used in demo
- The following slides provide instructions for installing on macOS and Windows
- To install on Linux
  - see <https://dev.mysql.com/doc/refman/5.7/en/linux-installation.html>



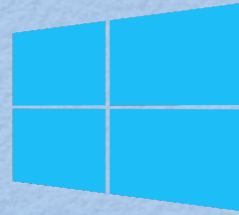
# MySQL macOS Install



- Install Homebrew
  - follow instructions at <https://brew.sh/>
- Use **brew** command to install MySQL
  - open terminal window
  - enter **brew install mysql**
- Set root password to "root"
  - open terminal window
  - enter following commands
    - **mysql -uroot**
    - **alter user 'root'@'localhost' identified by 'root';**
    - **exit**



# MySQL Windows Install ...



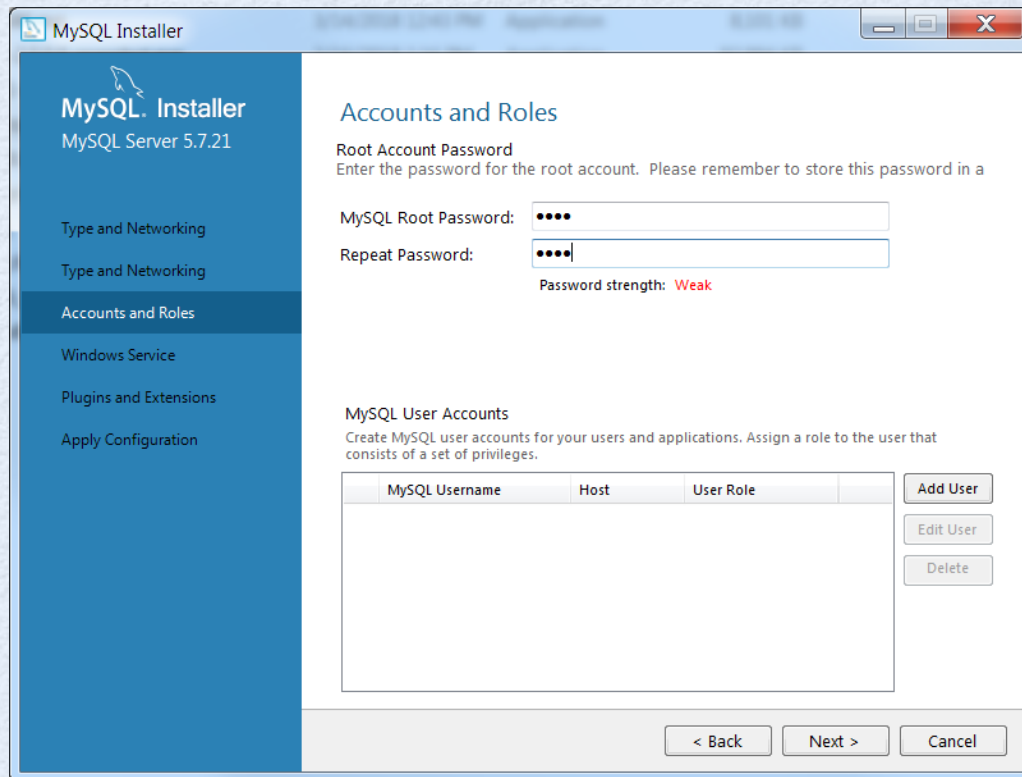
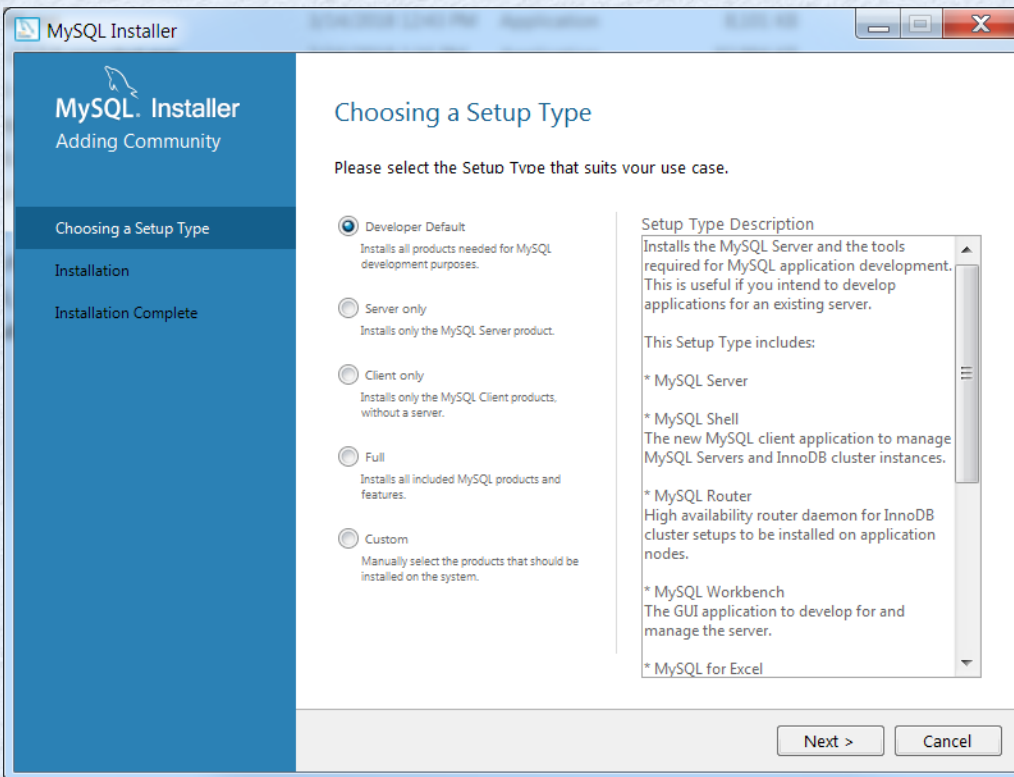
Skip this if you already have MySQL installed and know the password for the MySQL root account.

- Browse <https://dev.mysql.com/downloads>
- Click "MySQL on Windows"
- Click "MySQL Installer"
- Click "Download" button near bottom of page
  - will want you to create an "Oracle Web" account, but can click "No thanks, just start my download"
- Double-click downloaded installer
- Accept all defaults except for noted exceptions on next two slides

# ... MySQL Windows Install ...

Keep default setting  
of "Developer Default"

Enter "root" for  
MySQL Root Password  
and Repeat Password

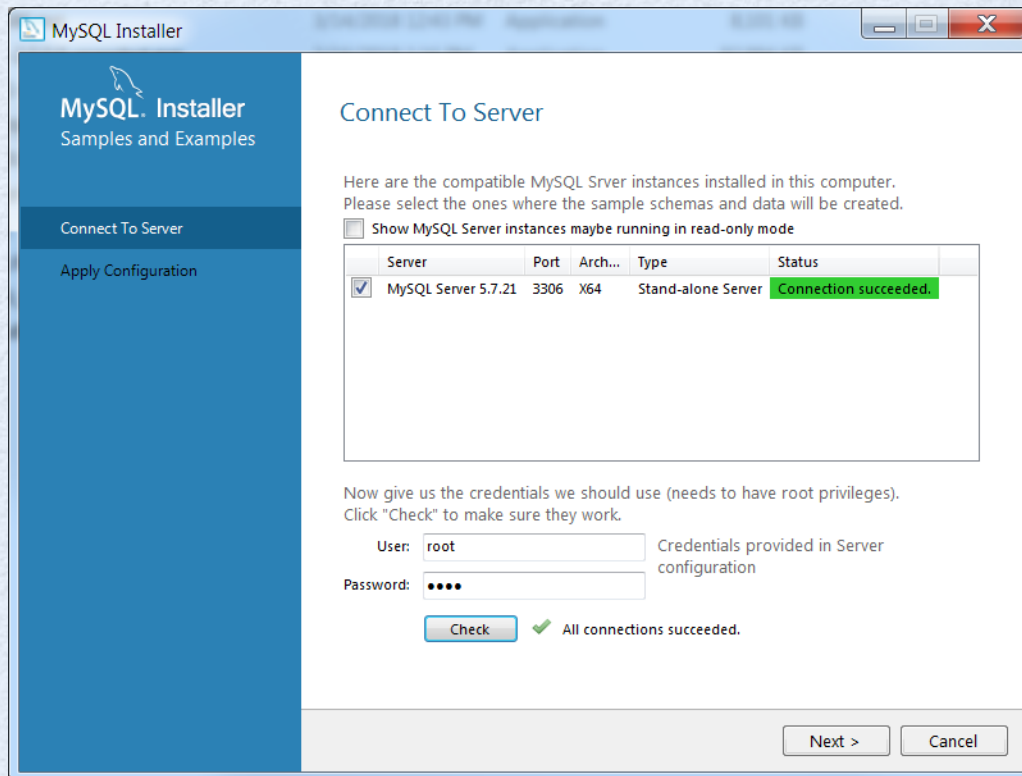
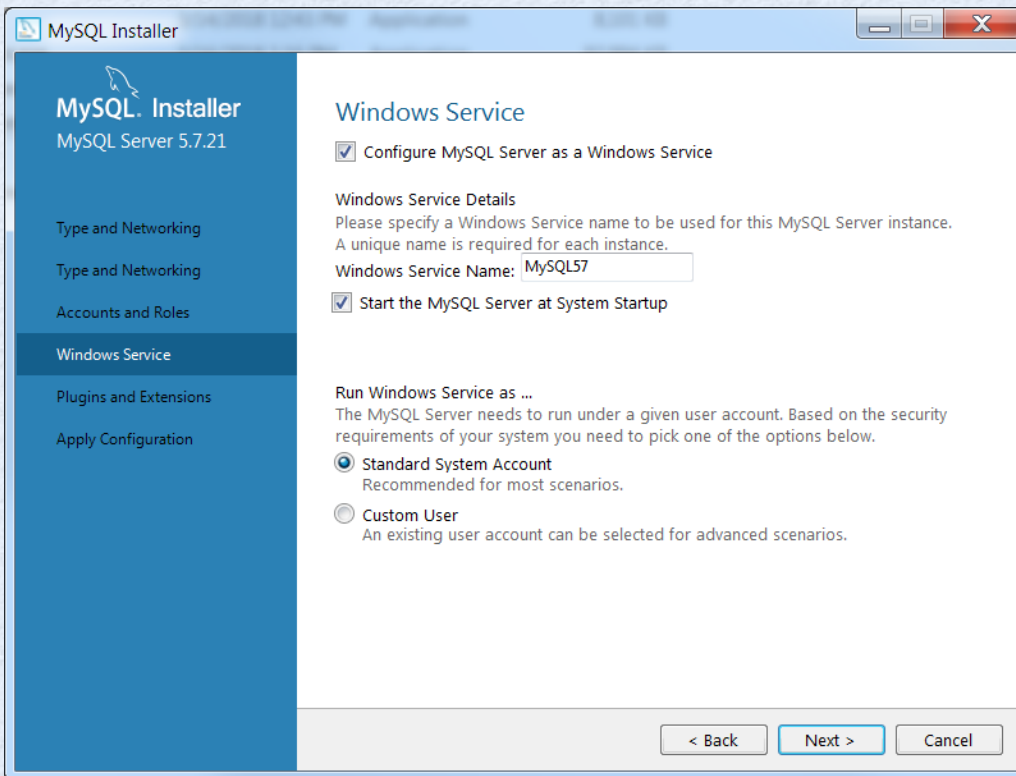




# ... MySQL Windows Install ...

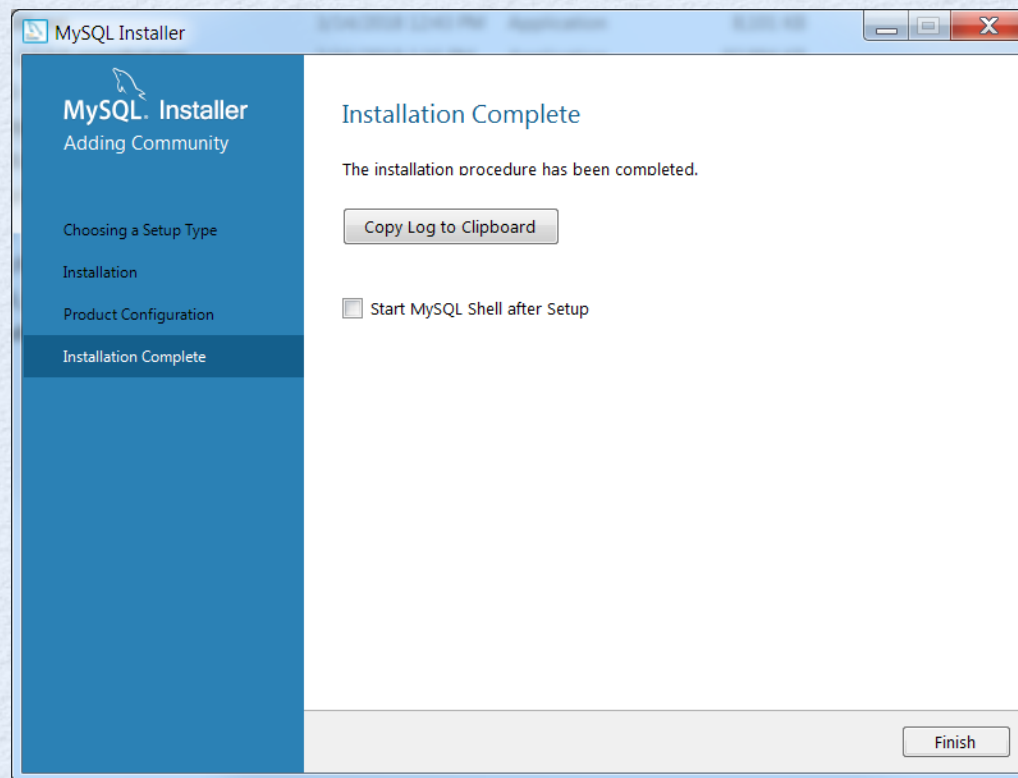
Accept defaults on this page  
so the MySQL Server  
runs as a Windows service

Enter "root" for Password  
and click "Check" button



# ... MySQL Windows Install ...

Click "Finish" button to complete installation





# ... MySQL Windows Install

- Set **PATH** environment variable
  - can use System Control Panel
  - add following to end of existing value (assuming version 5.7)  
`;C:\Program Files\MySQL\MySQL Server 5.7\bin`
  - note semicolon at beginning

# Postman

<https://www.getpostman.com/>

- Application for testing REST APIs
- Free for basic use cases
- Browse <https://getpostman.com>
- Click “Download the App” button
- Unzip and double-click downloaded installer





# Git

<https://git-scm.com/>

- Distributed version control system
- To install
  - browse <https://git-scm.com>
  - click "Download" button
  - double-click downloaded installer



# Demo App

- To download
  - open a terminal window (or Command Prompt in Windows)
  - cd to directory where you want to install the demo
  - enter `git clone https://github.com/mvolkmann/react-tour-of-heroes.git`
- To run
  - see instructions at <https://github.com/mvolkmann/react-tour-of-heroes>

