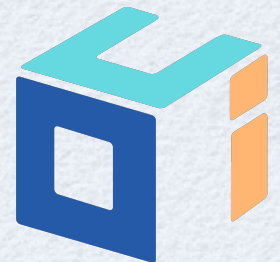# Full Stack JS Setup

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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

    **10.7.0 Current**
    Latest Features

- To verify
    - open a terminal window (or Command Prompt in Windows)
    - enter "`node -v`" to see version installed

# MySQL

- Relational database used in demo

- The following slides provide instructions for installing on macOS and Windows

- To install on Linux

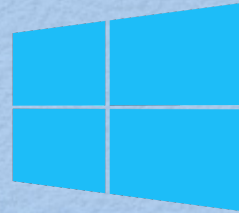  - see https://dev.mysql.com/doc/refman/5.7/en/linux-installation.html

# 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"
  - `mysql_secure_installation`
  - press enter for all other questions

    will be prompted for password multiple times; enter "`root`" for all

  - `mysql -uroot -p`
  - `set global innodb_fast_shutdown = 1;`
  - `exit`
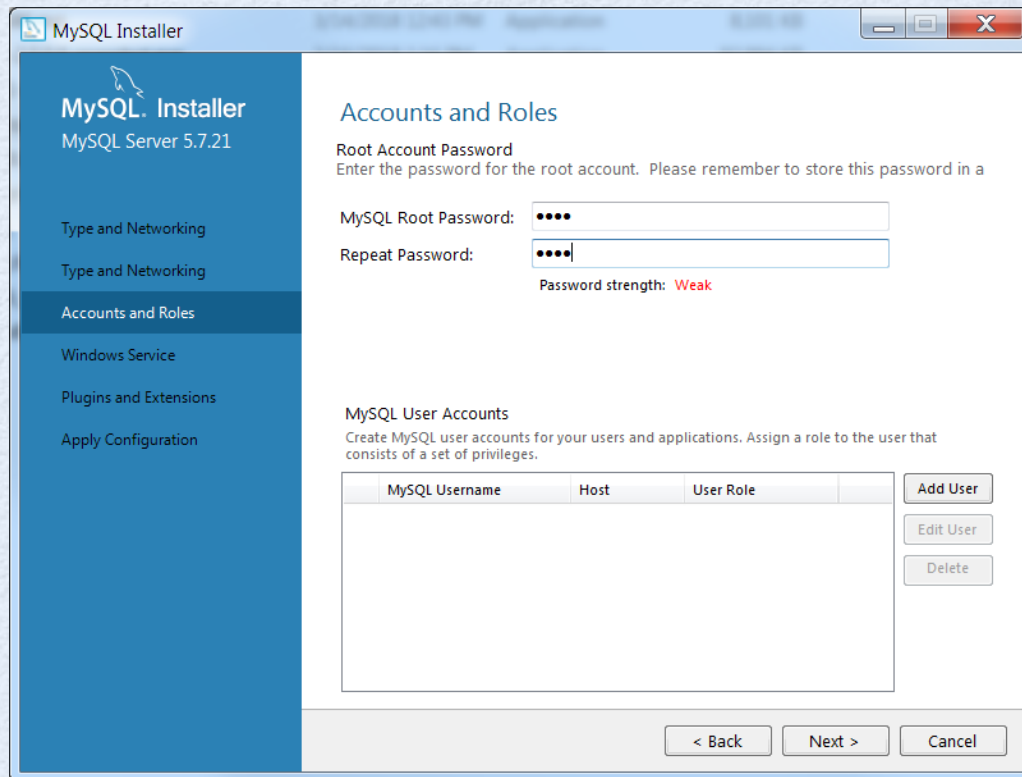  - `mysql_upgrade -uroot -p`
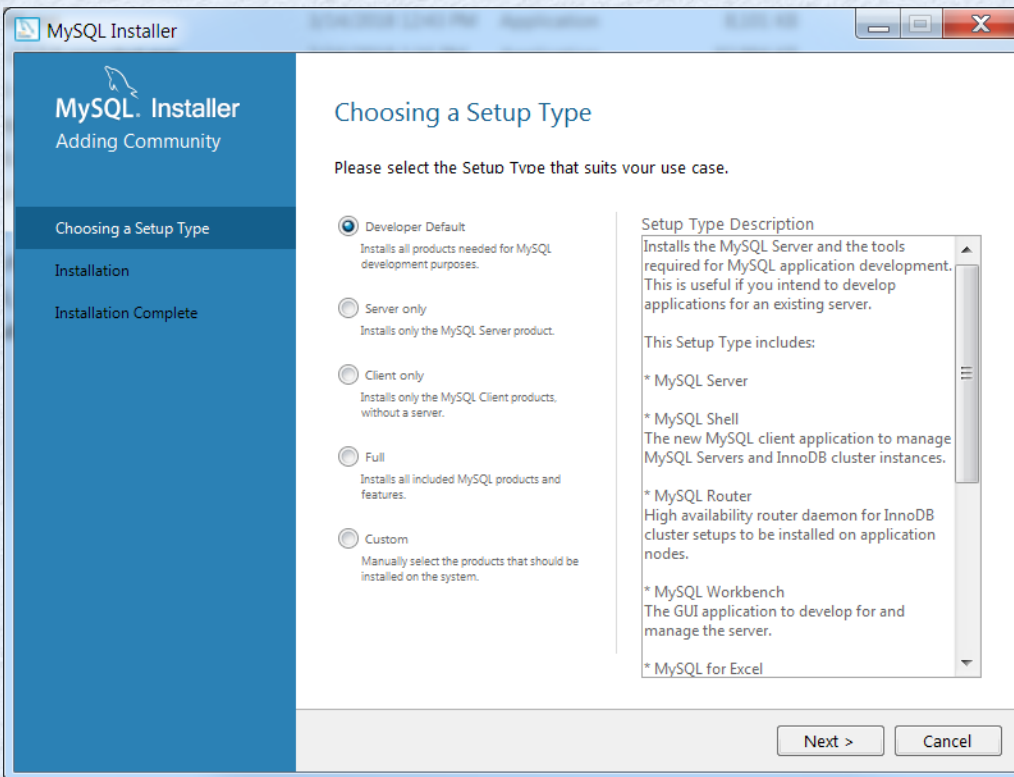
# MySQL Windows Install ...

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**

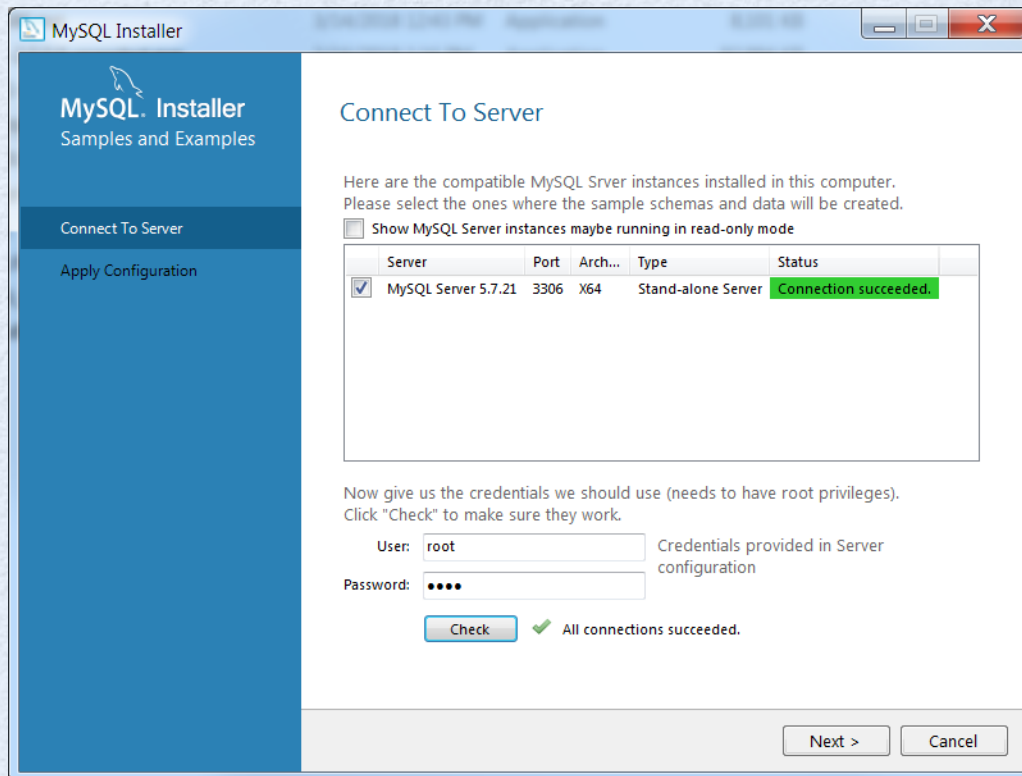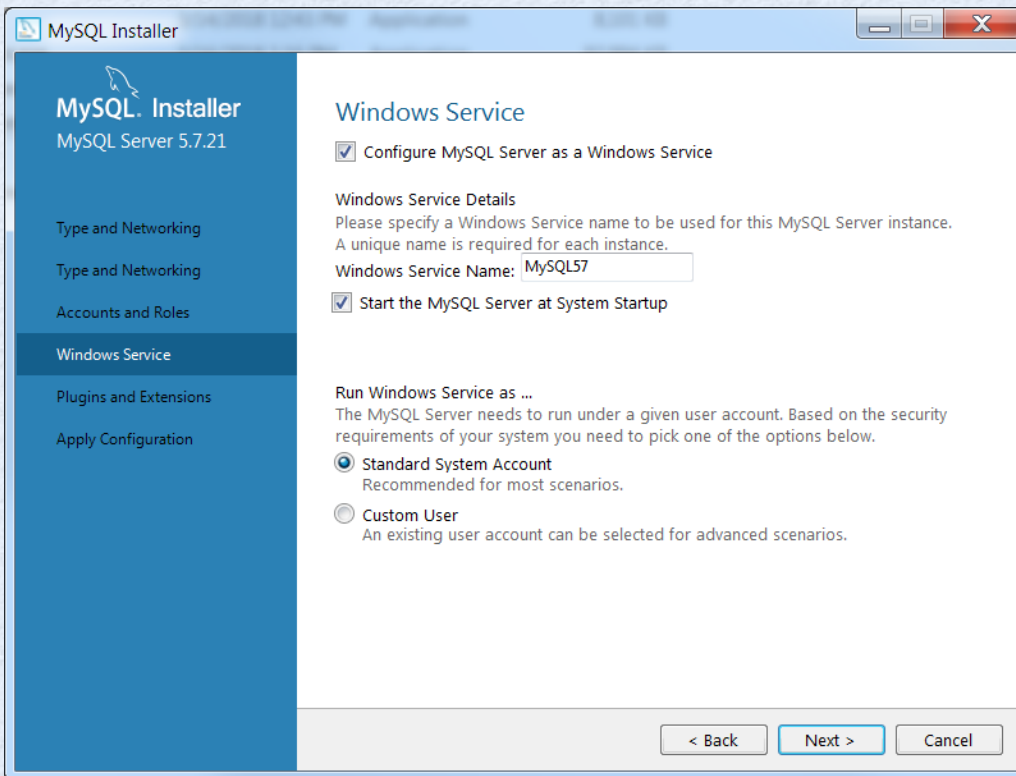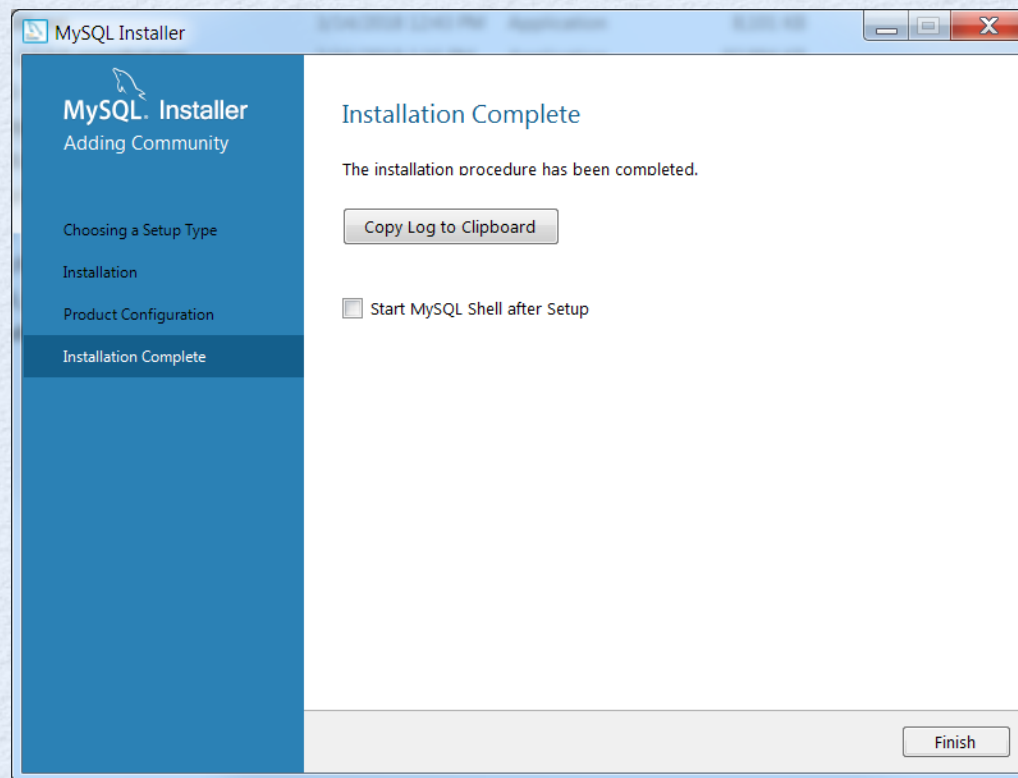# … MySQL Windows Install …

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 of text to be added

# Postman

- 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`