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

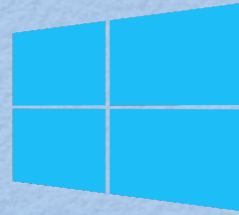 - see https://dev.mysql.com/doc/refman/5.7/en/linux-installation.html

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"
  - `mysql_secure_installation`
  - press enter for all other questions
  - `mysql -uroot -p`
  - `set global innodb_fast_shutdown = 1;`
  - `exit`
  - `mysql_upgrade -uroot -p`

> will be prompted for password multiple times; enter "`root`" for all
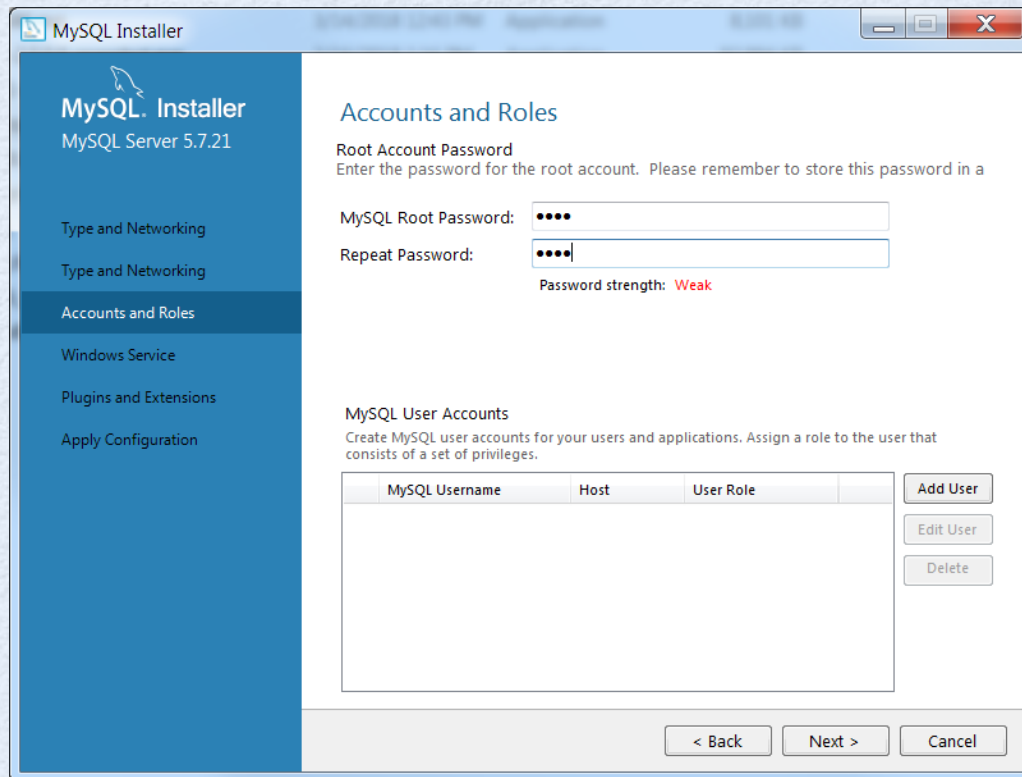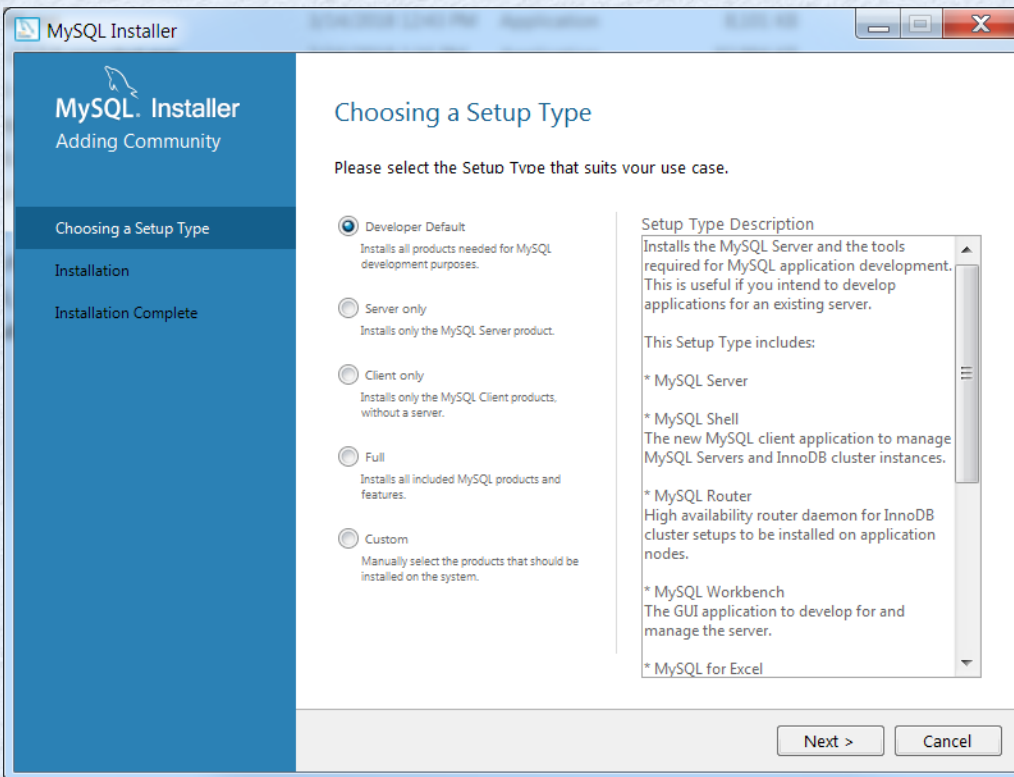
MySQL Windows Install ...

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

5

... MySQL Windows Install ...

Keep default setting
of "Developer Default"

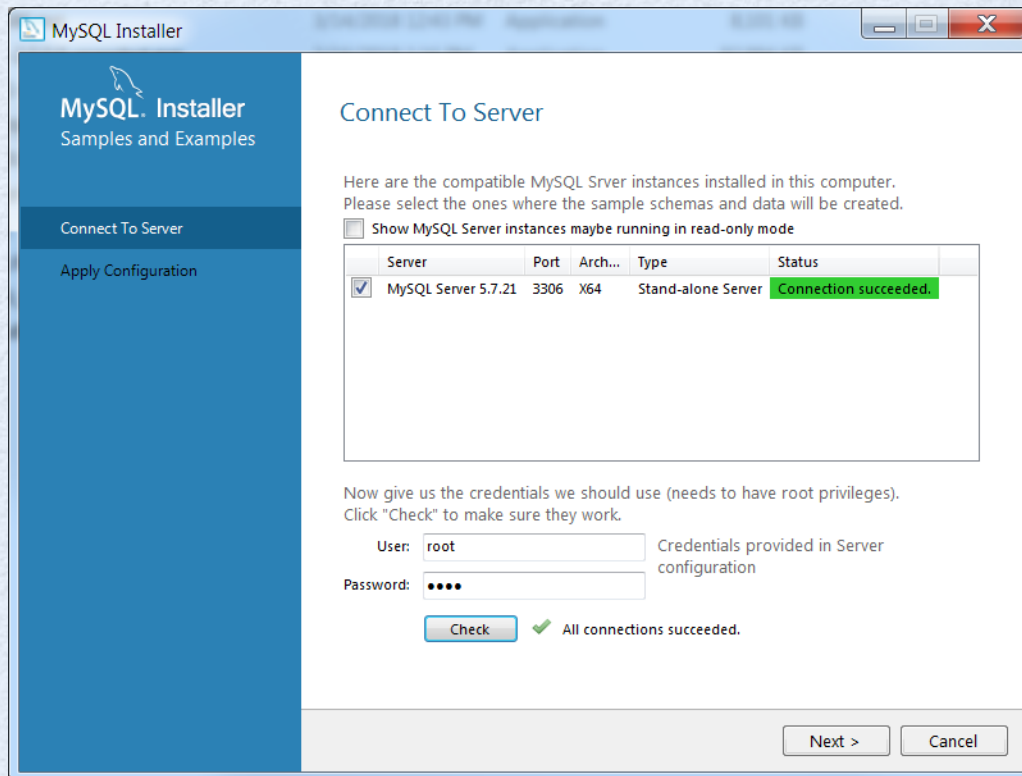Enter "root" for
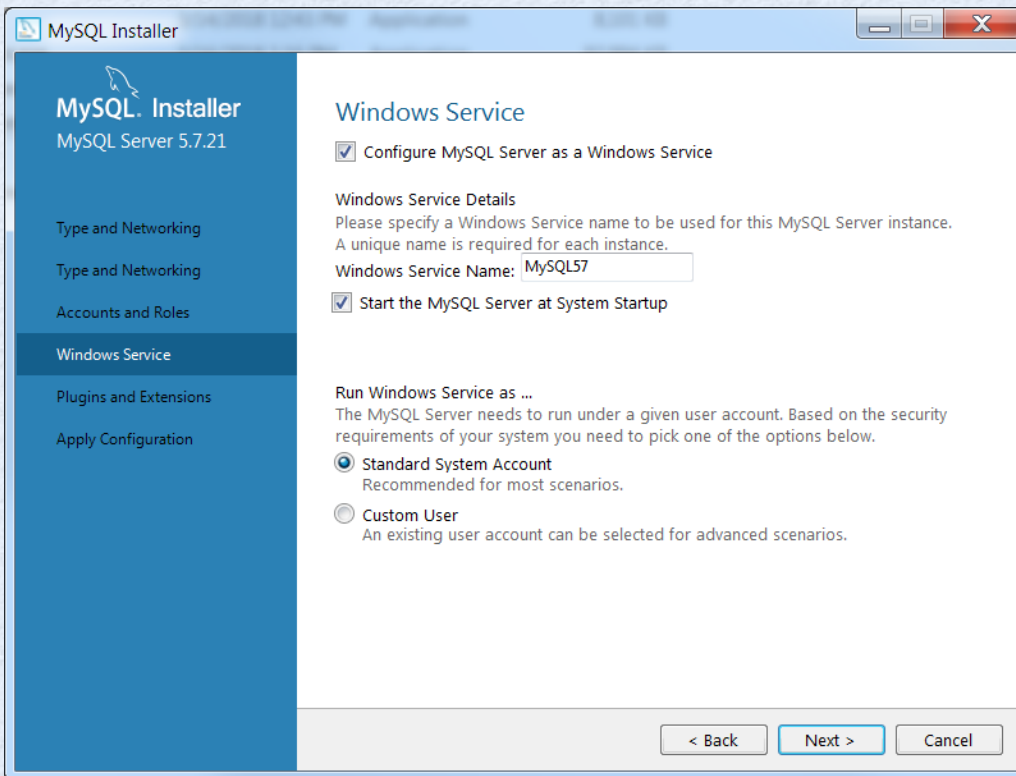MySQL Root Password
and Repeat Password

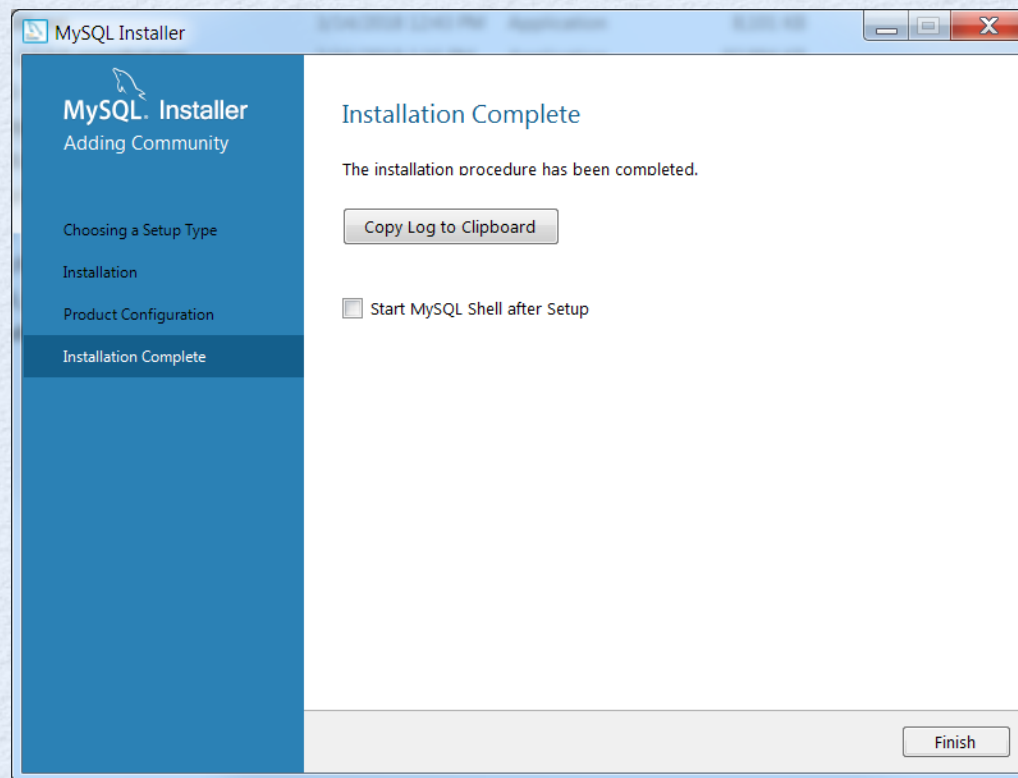# ... MySQL Windows Install ...

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

9

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

- 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`