Cloud-Migration-SetupGuide-V1.03

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1 IMPORTANT INSTRUCTIONS

WHEN YOU CREATE SETUP AS PER THE INSTRUCTIONS BELOW PLEASE MAKE SURE THAT YOU

1. INSTALL ONLY THE VERSIONS AS MENTIONED IN THE DOCUMENT. INSTALLING A WRONG VERSION MIGHT RESULT IN ISSUES AND THE SOFTWARE MAY NOT WORK.
2. FOLLOW THE INSTRUCTIONS CAREFULLY AND KEEP ALL FILE NAMES EXACTLY AS MENTIONED IN THE DOCUMENT.
3. ON MAC DO NOT PUT ANY SPACES IN THE FILE/FOLDER NAMES.

Please prepare the setup as mentioned in this document. Issues would be observed if we deploy a different environment (for instance - Different Windows version, Linux distro etc.). Debugging these issues would not be possible in the training.

2   Introduction

Welcome to Cloud Course. This guide will help you to setup the environment for this hands-on course.

It is **STRONGLY** recommended that you finish the installation and AWS and Azure account creations before you come for the class.

Please retain all downloads in case you need to uninstall and install something again.

This document is valid for installations on Windows & Mac machines (Only for AWS, Azure instance access).

This guide is prepared based on 64-bit machine, if your machine is 32 bit, download and install the respective software versions accordingly.

Please download the corresponding software from respective website(s) as mentioned in the instructions below.

2.1   System Requirements

Hardware	Windows	Mac
Minimum RAM	8 GB	4 GB
Minimum CPU	Intel i5	Intel i5
Software	Windows	Mac
OS	64 bit version of Microsoft Windows 10	Mac OS X 10.10 and above

Note: This guide has been created for below mentioned software versions

   i.   Putty 0.70
   ii.   Puttygen 0.70
   iii.   Remote Desktop Connection for Windows (Latest)
   iv.   Remote Desktop Connection for Mac (Latest)

3 Windows

3.1 Docker Registration

- Open an internet browser and go to

  https://store.docker.com/signup

- Create an account on Docker portal

- Verify the email

- Login to Docker portal and make sure you are able to login successfully

3.2 Download Putty & Puttygen

- Open an internet browser and go to

  https://the.earth.li/~sgtatham/putty/latest/w64/putty.exe

- putty.exe will be downloaded

- Open an internet browser and go to

  https://the.earth.li/~sgtatham/putty/latest/w64/puttygen.exe

- puttygen.exe will be downloaded

3.3 Create a Github account

- Open an internet browser and go to

  https://github.com/

- Enter the email id and click Sign up for GitHub

- Follow the instructions to create the account.

3.4 Setup Remote Desktop Client

- Windows includes an RDP client by default. To verify, search for "Remote Desktop" from the windows search.

  How to enable remote connections on your PC

- o Open Control Panel.

- o Click on System and Security.

- o Click on Allow remote access.

- o Under Remote Desktop make sure to select Allow remote connections to this computer.

- o Click OK.

- o Click Apply.

- o Click OK to complete the task.

3.5   Installation of MySQL Workbench

- Go to [MySQL :: Download MySQL Installer](#) using your browser

- Click on **Download** button for the web installer

MySQL Installer 8.0.30

Select Operating System:

Microsoft Windows

Looking for previous GA versions?

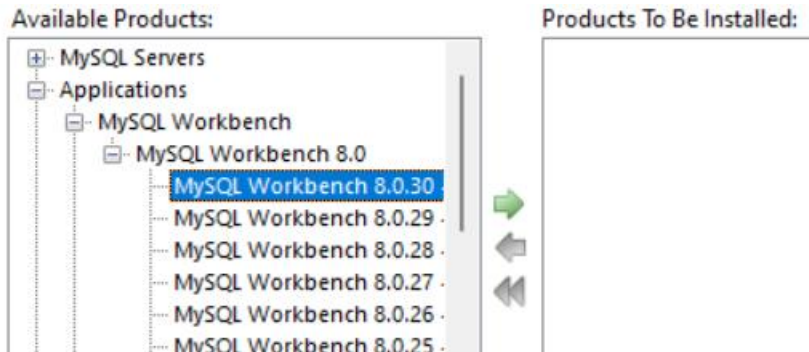| Windows (x86, 32-bit), MSI Installer	8.0.30	5.5M	**Download**
(mysql-installer-web-community-8.0.30.0.msi)		MD5: c095cf221e8023fd8391f81eadce65fb | Signature	
Windows (x86, 32-bit), MSI Installer	8.0.30	448.3M	**Download**
(mysql-installer-community-8.0.30.0.msi)		MD5: c9cbd5d788f45605dae914392a1dfeea | Signature	

- Click on the link **No thanks, just start my download.**

MySQL.com is using Oracle SSO for authentication. If you already have an Oracle Web account, click the Login link. Otherwise, you can signup for a free account by clicking the Sign Up link and following the instructions.
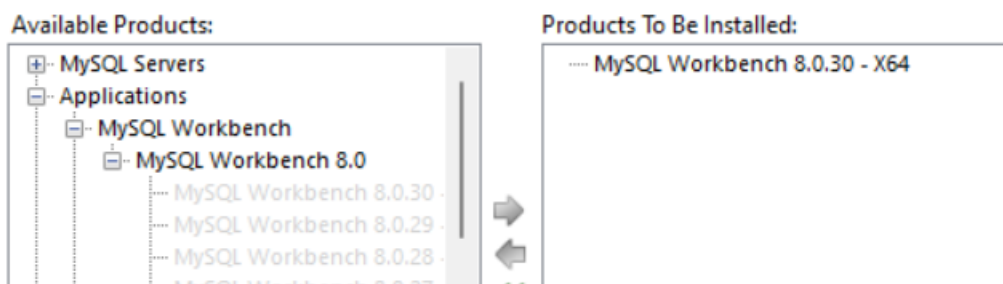
No thanks, just start my download.

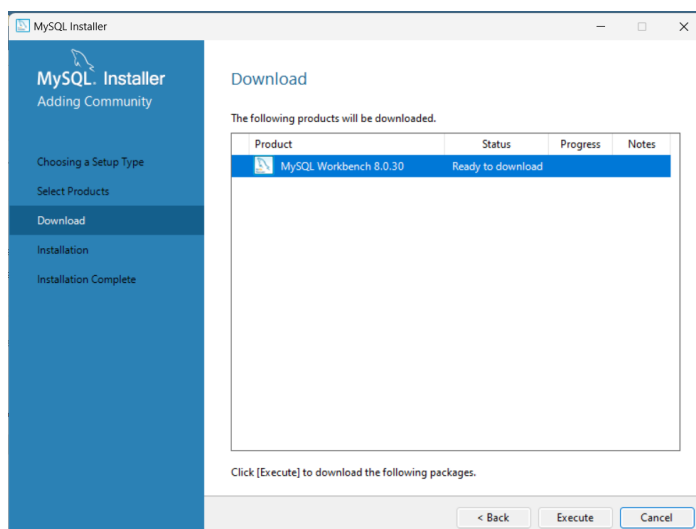- Double click on downloaded msi file.

- Click on the radio button **Custom** and click **Next** button

- Expand "Applications", select "MySQL WorkBench", select latest version of MySQL Workbench.

- Click on the right arrowhead button

- Click on **Next** button

- Select the prerequisites (in case it is displayed in your laptop) and click Execute.

- Click Next and Click Execute.

3.6   Installation of dbForge Comparison tool (Trial Version)

- Open an internet browser and go to
- https://www.devart.com/dbforge/mysql/compare-bundle/
- Click on Download and get the trial version

3.7   Installation of DbFit Tool

- Open an internet browser and go to
- http://dbfit.github.io/dbfit/
- Unzip the folder

3.8   Mongo Atlas set up

- Open an internet browser and go to
- https://cloud.mongodb.com/
- Click on Try Free

Try Free

- Sign up with either email/ gmail account
- Create a free Shared cluster with Azure Pune
- Enter Username and Password (Do not use special characters in password) and Create User
- Add your current IP to connect.
- Install Mongoimport tool
  - o   MongoDB Database Tools with this link
  - o   https://fastdl.mongodb.org/tools/db/mongodb-database-tools-windows-x86_64-100.6.1.msi
  - o   Run the installer with default settings

  o Go to installation folder (in windows C:\Program Files\MongoDB\Tools\100\bin)

  o Copy that path and Go to Environment Variables and add in System Variables -> Path

3.9 Installation of Filezilla Client

- Open an internet browser and go to

- https://filezilla-project.org/

- Download the latest version of **Filezilla Client** for your OS

3.10 Installation of Java Development Kit

Downloading the Java Development Kit

- Open an internet browser and go to

- https://www.oracle.com/java/technologies/javase/jdk15-archive-downloads.html

- Click the below link

  ⬇ jdk-15.0.2_windows-x64_bin.exe

- Select "Accept License Agreement"

- Click Download... button

You must accept the Oracle Technology Network License Agreement for Oracle Java SE to download this software.

☑ I reviewed and accept the Oracle Technology Network License Agreement for Oracle Java SE
Required

    Download jdk-15.0.2_windows-x64_bin.exe ⬇

- Create new account & login to oracle portal

- jdk installer will be downloading as soon as you will be logged in

Installing the Java Development Kit

1. Run the installer

2. Follow the instructions from the wizard until the installation is completed.

3. To test that Java path has been setup correctly type the following command in command prompt

   - java -version

3.11 Setup JMeter

Downloading JMeter

1. Open an internet browser and go to

   http://jmeter.apache.org/download_jmeter.cgi

2. Click zip link under "Binaries" section (e.g. **apache-jmeter-5.4.3.zip**)

Binaries

apache-jmeter-5.4.3.tgz sha512 pgp
apache-jmeter-5.4.3.zip sha512 pgp

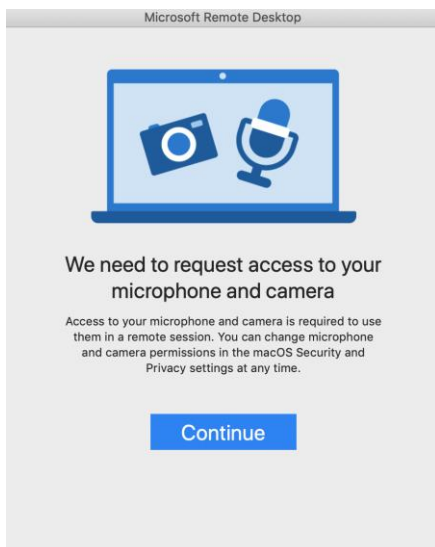3. After finishing the downloading, Unzip the folder

4 Mac

4.1 Setup Remote Desktop Client

- Open an internet browser and go to

  https://apps.apple.com/app/microsoft-remote-desktop/id1295203466?mt=12

- Click View in Mac App Store

- Click Open App Store.app

- Click GET

- Click INTSALL

- Click OPEN

- Click CONTINUE

- Follow the instructions from the wizard until the installation is completed

- Add Desktop window will be displayed