

AWS VM Setup Guide

Pre-requisite Softwares:

- 1) Oracle VirtualBox 5.1 and above
- 2) Ubuntu 16.10 (iso image - 64 bit Desktop version)
- 3) Java 8 and above
- 4) Python 2.6 and above
- 5) Eclipse 4.2 and above

VM Setup Instructions:

Step1: Install Oracle VirtualBox

Step2: Download Ubuntu 16.10 64-bit Desktop iso image and save into local disk

URL: <http://releases.ubuntu.com/16.10/ubuntu-16.10-desktop-amd64.iso>

Step3: VM Creation from VirtualBox

VM Name: AWS-Box-Ubuntu16

Mem Size: 4 GB (4096 MB)

Hard Disk Size: 20 GB

(Create Virtual Hard Disk -> File Type - VMDK -> Storage Type - Dynamically Allocated -> Size - 20 GB)

Step4: Configure VM to boot from Ubuntu iso image

a) Open VM settings (Right click on above created VM -> Settings)

b) Storage -> Controller IDE -> Empty -> Attributes: Optical Drive -> Choose File -> Select downloaded Ubuntu 16.10 iso image

Step5: VM OS installation and Configuration

Machine Name: AWS-Box

(Create an user with Administrator rights)

Username: awslab

Password: aws@123

(Rest all keep it default)

Step6: VM OS installation complete and Login

Step7: Remove unwanted softwares

Go to "Ubuntu Software" -> Installed -> Remove below softwares (to reduce VM size)

LibreOffice, Libre Calc, Games, Shotwell, etc.

Step8: Create working directory

```
cd ~
```

```
mkdir aws-training
```

```
cd aws-training
```

```
mkdir programs
```

```
mkdir labs
```

```
mkdir examples
```

Step9: Python pip Installation - Open Terminal and Run below commands

```
cd ~/Downloads  
curl "https://bootstrap.pypa.io/get-pip.py" -o "get-pip.py"  
python get-pip.py --user
```

Step10: AWS CLI Installation - Open Terminal and Run below commands

```
pip install awscli --user
```

```
#Verify AWS CLI installation  
aws --version
```

Step11: Java Installation - Open Terminal and Run below commands

```
sudo add-apt-repository ppa:webupd8team/java  
sudo apt-get update  
sudo apt-get install oracle-java8-installer
```

```
#Verify Java installation  
java -version  
javac -version
```

Step11: Eclipse Installation

Download Eclipse IDE for Linux 64bit from <https://www.eclipse.org/downloads>

```
cd ~/Downloads  
tar -xzf eclipse-java-oxygen-1a-linux-gtk-x86_64.tar.gz -C ~/aws-training/programs
```

Step11: Eclipse AWS Toolkit Installation

Start Eclipse (Open Files -> Goto '/home/awslab/aws-training/programs/eclipse' -> double-click 'eclipse')
Select workspace directory as '/home/awslab/aws-training/labs/examples'
(May take few minutes to start Eclipse IDE)

Goto Eclipse Help menu -> Install New Software -> Enter this URL - <https://aws.amazon.com/eclipse>
Unselect AWS Toolkit for Android Development and continue next steps and Finish.
Prompt to 'Restart Eclipse' -> Say OK

Note: Please do not directly copy the commands and execute in the server terminal. Advised to copy to text editor and execute in the server to avoid any encoding and syntax errors.