**< User Guide for iss-vm >**

**Installation steps:**

1. Download and install Virtualbox software (recommended version 5.2.20): <https://www.virtualbox.org/wiki/Downloads>
2. Download iss-vm virtual machine (an Appliance) from:

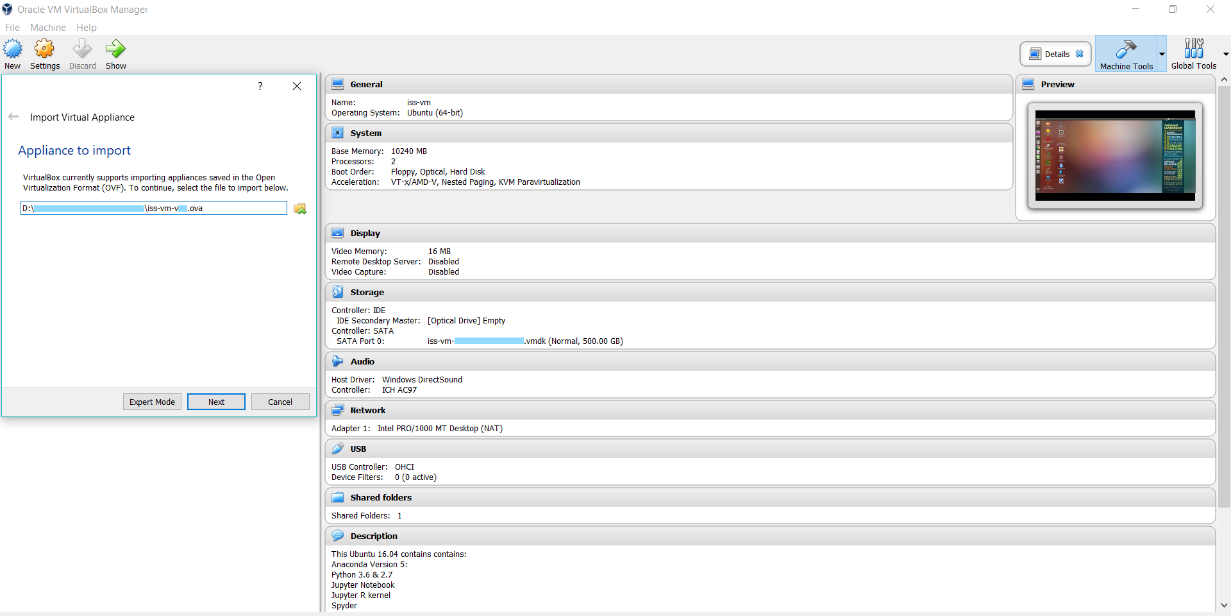
<http://bit.ly/iss-vm-v20a> ( part 1 about 11 GB in file size )

<http://bit.ly/iss-vm-v20b> ( part 2 about 11 GB in file size )

<http://bit.ly/iss-vm-v20c> ( part 3 about 10 GB in file size )

**[Note] Please check/ensure the 'virtualization' option is enabled in your computer's BIOS/hardware (Google it if not sure)**

1. Put all three zip files in same folder; select the first file iss-vm-vNN.zip.001; use tools like 7-zip to un-compress. https://www.7-zip.org/download.html
2. Start Virtualbox software
3. Click File 🡪 Import Appliance



1. Click Start to use iss-vm
2. Most data science software are on the desktop



**This iss-vm Ubuntu 16.04 contains:**

\* Anaconda-Linux-x86\_64

\* casperjs (and phantomjs) on ubuntu

\* CLIPS (Rule Based Expert System)

\* DeepMind PySC2 - StarCraft II Learning Environment

\* Docker

\* durable-rules

\* Eclipse IDE

\* Git (Git Bash)

\* Google APIs Client Library for Python: google-api-python-client

\* Google Cloud SDK: gcloud & datalab

\* JBoss KIE 7.12

\* Jupyter Notebook

\* Jupyter R kernel

\* keras

\* Maven

\* MongoDB Node.js npm

\* MySQL

\* nltk & nltk data : nltk.download('popular')

\* Orange

\* Orange3-Associate

\* pip

\* pip install face\_recognition

\* Python 2.7 in conda environment: iss-env-py2

\* Python 3.6 in conda environment: iss-env-py3

\* R 3.6.1 in conda environment: iss-env-py3

\* pytorch

\* R 3.6.1

\* R Rattle

\* R Studio

\* Redis

\* Robotic Operating System (ROS) Kinetic

\* ROS Kinetic

\* scikit-learn

\* Sikuli: visual recognition to automate desktop applications

\* Solver (Nonlinear Programming / Genetic Algorithms) for LibreOffice

\* spaCy

\* Spyder

\* TagUI

\* TagUI-Python

\* tensorflow

\* Weka

\* wmctrl

\* xdotool

linux machine name : iss-vm

linux user id : iss-user

linux user password : iss-user

anaconda python 3 environment : iss-env-py3

anaconda python 2 environment : iss-env-py2

MySQL user id : iss-user

MySQL user password : iss-user

MySQL root user id : root

MySQL root user password : iss-user

VirtualBox shared folder in guest (iss-vm linux) operating system:

**/media/sf\_vm\_shared\_folder**

VirtualBox shared folder in host operating system:

**E:\0020\_vm\_disk\vm\_shared\_folder**

Copyright © 2018-2020 GU Zhan (Sam)

SOME RIGHTS RESERVED

[zhan.gu@nus.edu.sg](mailto:zhan.gu@nus.edu.sg)

This iss-vm is free for personal usage. Please write to us for commercial usage enquiry.