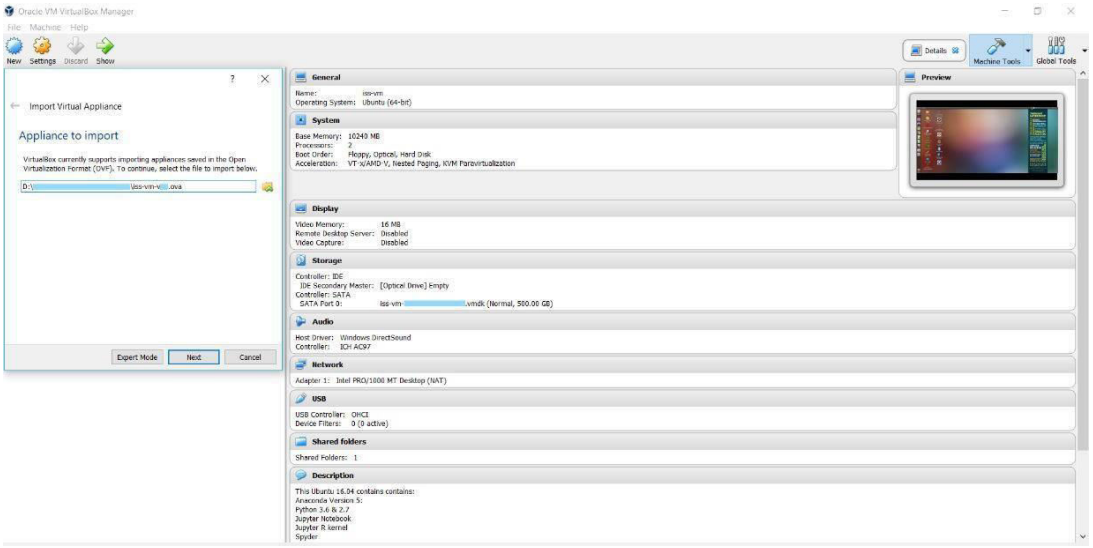
< User Guide for ai-vm Ubuntu 20.04>

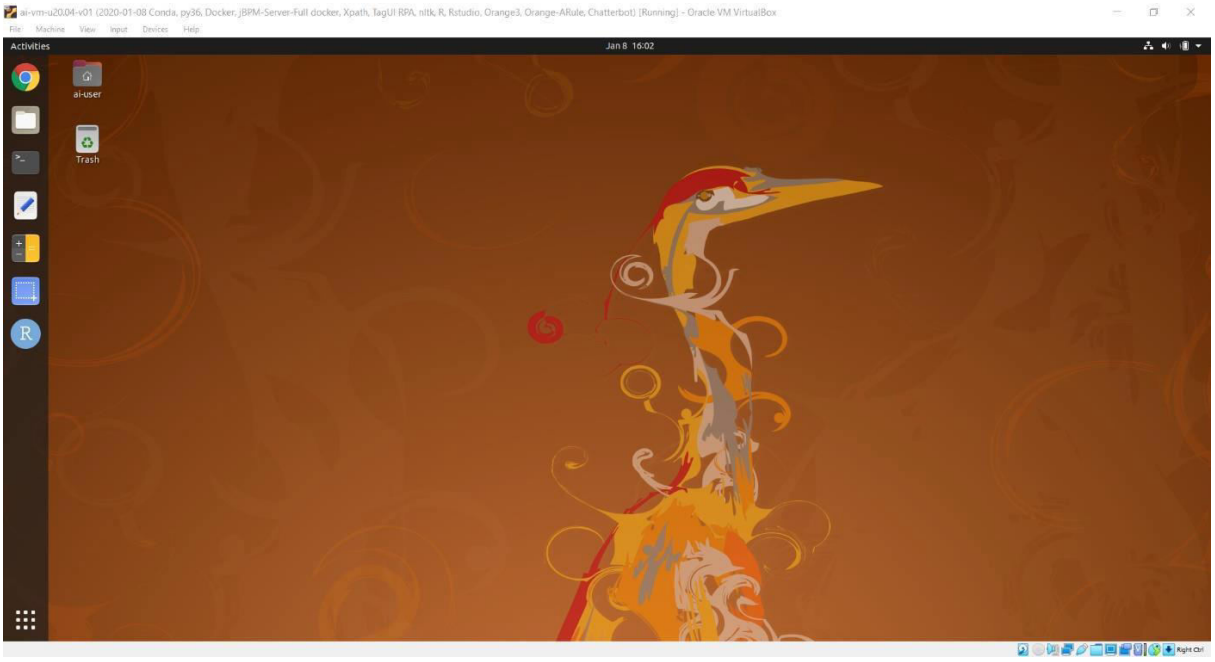
Installation steps:

1. Download and install Virtualbox software: https://www.virtualbox.org/wiki/Downloads
2. Download ai-vm virtual machine (an Appliance) from: https://drive.google.com/drive/folders/1vdl-QMyRy6YkqzHDOAHKz2N8jFCMbfaj?usp=sharing (about 12 GB in file size)
3. Put the .ova file(s) in one hard disk folder.
   [Note] Please check/ensure the 'virtualization' option is enabled in your computer's BIOS/hardware (Google it if not sure)
4. Start Virtualbox software
5. Click File -> Import Appliance



6. Click Start to use ai-vm

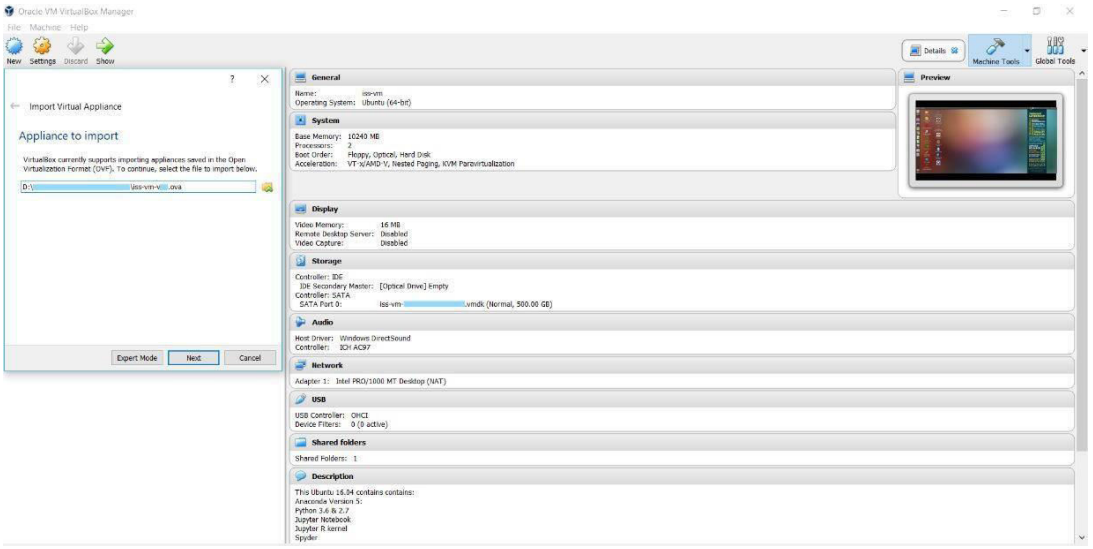
   User name: ai-user ***Password: ai-user***



< User Guide for iss-vm Ubuntu 16.04 >

Installation steps:

7. Download and install Virtualbox software (recommended version 5.2.20): https://www.virtualbox.org/wiki/Downloads
8. 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)
9. 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
10. Start Virtualbox software
11. Click File → Import Appliance



12. Click Start to use iss-vm

    User name: iss-user ***Password: iss-user***
13. 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

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