

VIRTUALIZATION

CONFIGURATION AND CREATION OF VIRTUAL MACHINE

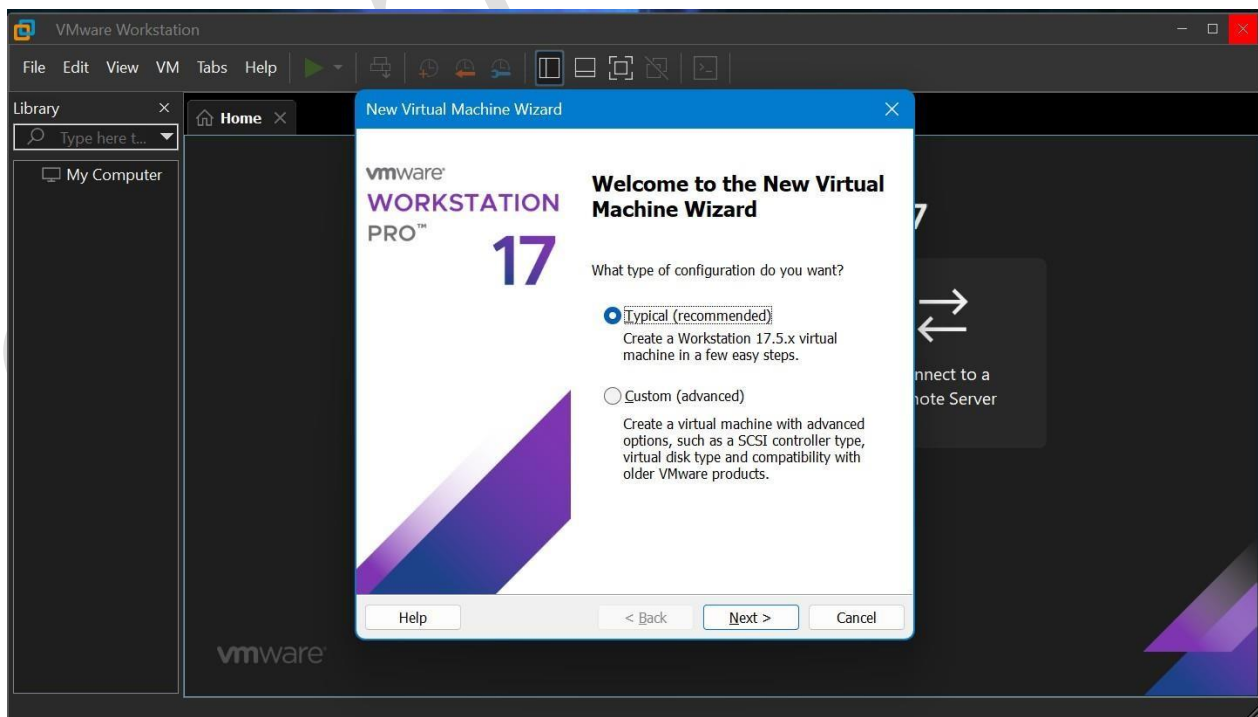
AIM:

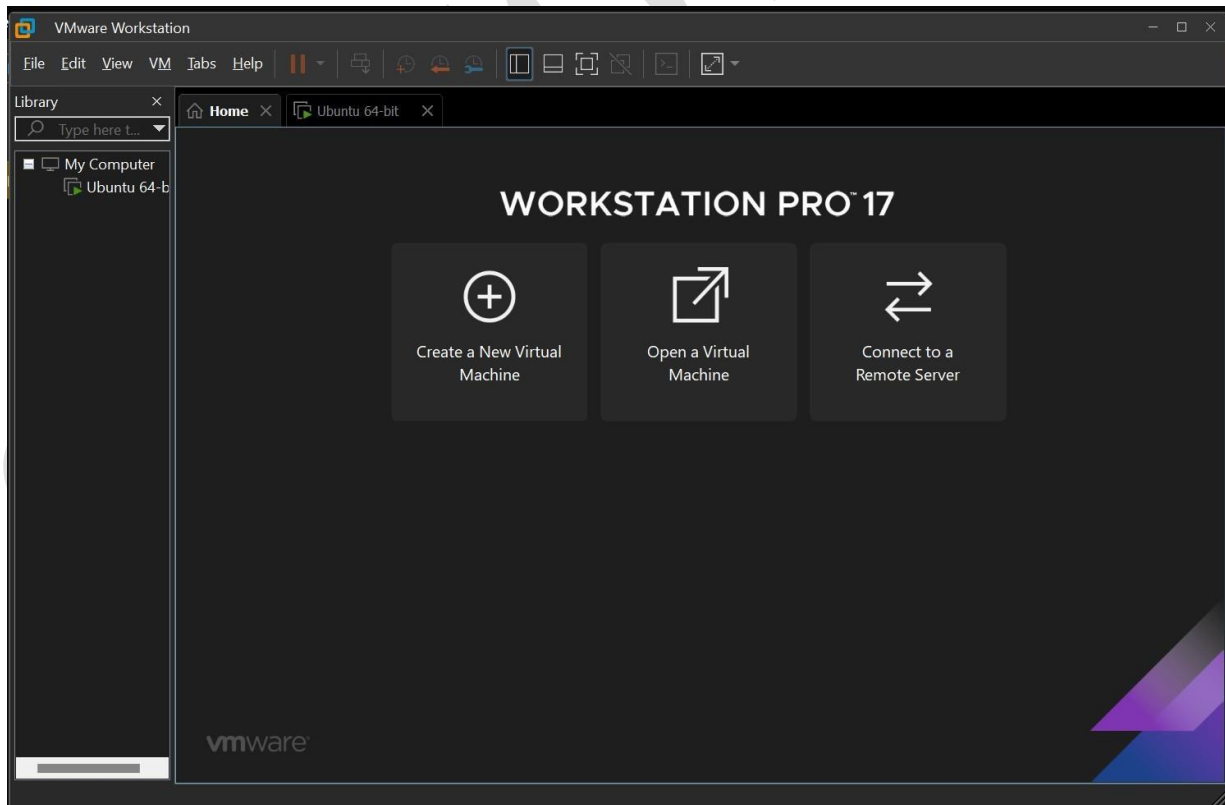
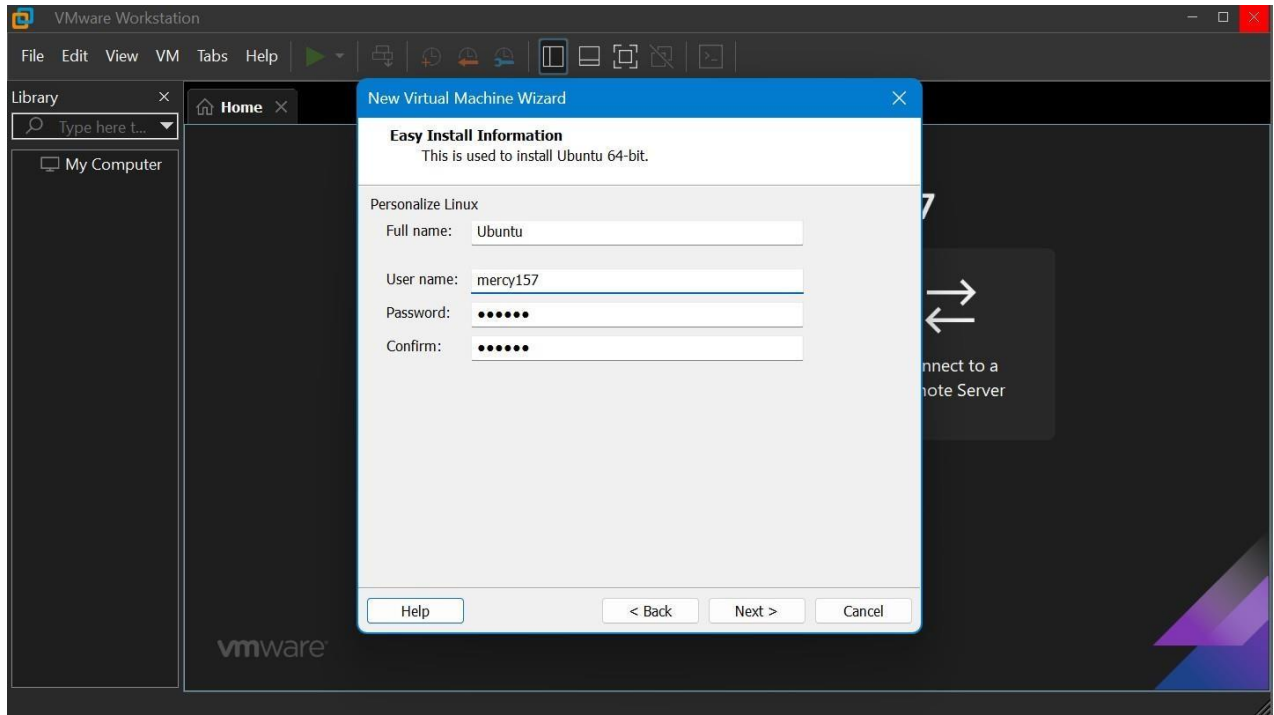
To configure a Virtual Machine using VMware and Launch the VM and execute a simple program using C/PYTHON/JAVA.

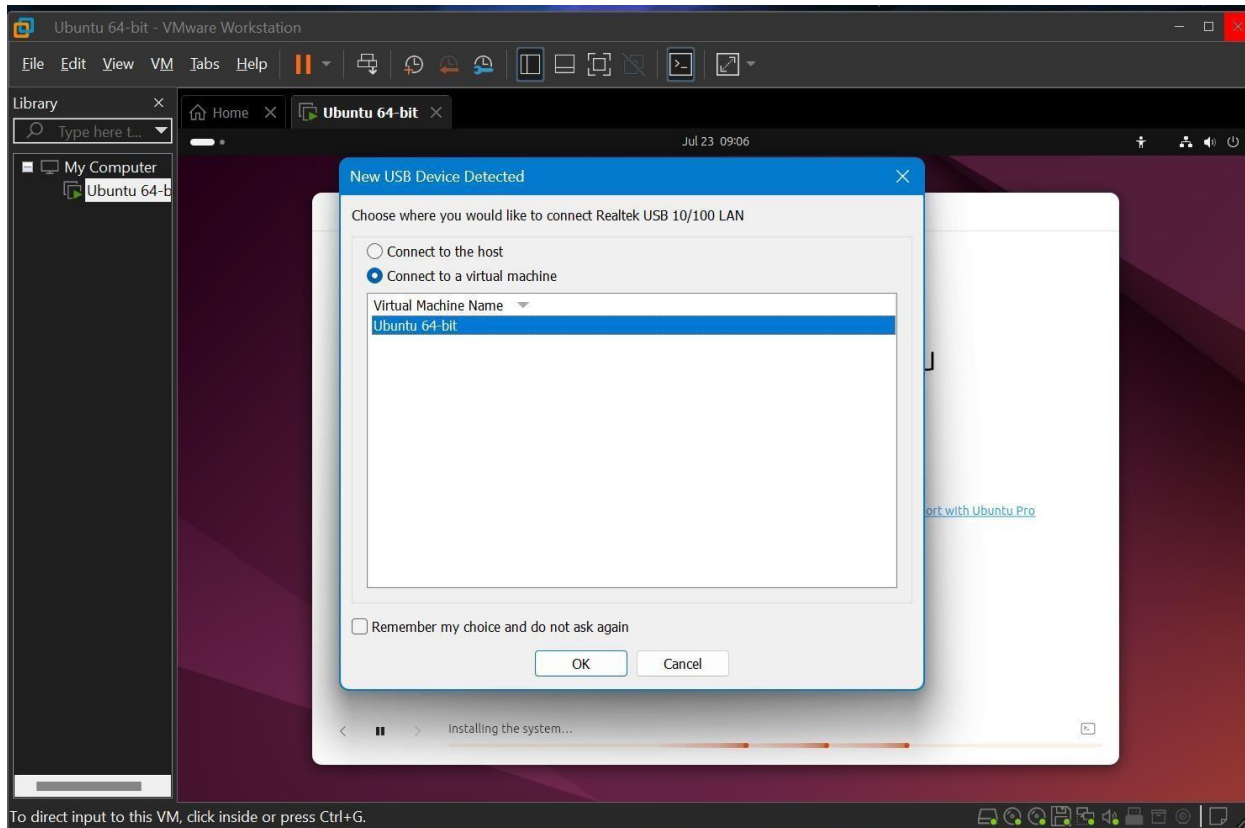
PROCEDURE:

1. Launch a VM ware
2. Create new virtual machine
3. Customize the set-up
4. Set username and password
5. Browse for .iso file of an operating system
6. Configure the hardware capacity
7. Finish and power on the VM
8. Install C or PYTHON OR JAVA Compiler and execute a simple program

OUTPUT:







```
ubuntu@ubuntu-virtual-machine:~$ vi Nav.java
ubuntu@ubuntu-virtual-machine:~$ javac Nav.java
Command 'javac' not found, but can be installed with:
sudo apt install openjdk-11-jdk-headless # version 11.0.24+8-1ubuntu3-22.04, or
sudo apt install default-jdk # version 2:1.11-72build2
sudo apt install ecj # version 3.16.0-1
sudo apt install openjdk-17-jdk-headless # version 17.0.12+7-1ubuntu2-22.04
sudo apt install openjdk-18-jdk-headless # version 18.0.2+9-2-22.04
sudo apt install openjdk-19-jdk-headless # version 19.0.2+7-0ubuntu3-22.04
sudo apt install openjdk-21-jdk-headless # version 21.0.4+7-1ubuntu2-22.04
sudo apt install openjdk-8-jdk-headless # version 8u422-b05-1-22.04
ubuntu@ubuntu-virtual-machine:~$ java Nav.java
Command 'java' not found, but can be installed with:
sudo apt install openjdk-11-jre-headless # version 11.0.24+8-1ubuntu3-22.04, or
sudo apt install default-jre # version 2:1.11-72build2
sudo apt install openjdk-17-jre-headless # version 17.0.12+7-1ubuntu2-22.04
sudo apt install openjdk-18-jre-headless # version 18.0.2+9-2-22.04
sudo apt install openjdk-19-jre-headless # version 19.0.2+7-0ubuntu3-22.04
sudo apt install openjdk-21-jre-headless # version 21.0.4+7-1ubuntu2-22.04
sudo apt install openjdk-8-jre-headless # version 8u422-b05-1-22.04
ubuntu@ubuntu-virtual-machine:~$ ^C
ubuntu@ubuntu-virtual-machine:~$ sudo apt install openjdk-11-jdk-headless
[sudo] password for ubuntu:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following package was automatically installed and is no longer required:
  systemd-hwe-hwdb
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  ca-certificates-java java-common openjdk-11-jre-headless
Suggested packages:
  default-jre openjdk-11-demo openjdk-11-source fonts-dejavu-extra fonts-ipafont-gothic fonts-ipafont-mincho fonts-wqy-microhei | fonts-wqy-zenhei
The following NEW packages will be installed:
  ca-certificates-java java-common openjdk-11-jdk-headless openjdk-11-jre-headless
0 upgraded, 4 newly installed, 0 to remove and 504 not upgraded.
Need to get 116 MB of archives.
```

```
Activities Terminal Aug 9 09:44
ubuntu@ubuntu-virtual-machine: ~

Running hooks in /etc/ca-certificates/update.d...
done.
done.
Setting up openjdk-11-jre-headless:amd64 (11.0.24+8-1ubuntu3-22.04) ...
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/java to provide /usr/bin/java (java) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jjs to provide /usr/bin/jjs (jjs) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/keytool to provide /usr/bin/keytool (keytool) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/rmid to provide /usr/bin/rmid (rmid) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/rmiregistry to provide /usr/bin/rmiregistry (rmiregistry) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/pack200 to provide /usr/bin/pack200 (pack200) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/unpack200 to provide /usr/bin/unpack200 (unpack200) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/lib/jexec to provide /usr/bin/jexec (jexec) in auto mode
Setting up openjdk-11-jdk-headless:amd64 (11.0.24+8-1ubuntu3-22.04) ...
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jar to provide /usr/bin/jar (jar) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jarsigner to provide /usr/bin/jarsigner (jarsigner) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/javac to provide /usr/bin/javac (javac) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/javadoc to provide /usr/bin/javadoc (javadoc) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/javap to provide /usr/bin/javap (javap) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jcmd to provide /usr/bin/jcmd (jcmd) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jdb to provide /usr/bin/jdb (jdb) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jdeprscan to provide /usr/bin/jdeprscan (jdeprscan) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jdeps to provide /usr/bin/jdeps (jdeps) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jfr to provide /usr/bin/jfr (jfr) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jimage to provide /usr/bin/jimage (jimage) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jinfo to provide /usr/bin/jinfo (jinfo) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jlink to provide /usr/bin/jlink (jlink) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jmap to provide /usr/bin/jmap (jmap) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jmod to provide /usr/bin/jmod (jmod) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jps to provide /usr/bin/jps (jps) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jrunscript to provide /usr/bin/jrunscript (jrunscript) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jshell to provide /usr/bin/jshell (jshell) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jstack to provide /usr/bin/jstack (jstack) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jstat to provide /usr/bin/jstat (jstat) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jstatd to provide /usr/bin/jstatd (jstatd) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/rmic to provide /usr/bin/rmic (rmic) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/serialver to provide /usr/bin/serialver (serialver) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jaotc to provide /usr/bin/jaotc (jaotc) in auto mode
update-alternatives: using /usr/lib/jvm/java-11-openjdk-amd64/bin/jhsdb to provide /usr/bin/jhsdb (jhsdb) in auto mode
ubuntu@ubuntu-virtual-machine: $ javac Nav.java
ubuntu@ubuntu-virtual-machine: $ java Nav
Welcome to VMware Navya!!!
ubuntu@ubuntu-virtual-machine: $ Ss
```

RESULT:

Thus the configuration of virtual machine using VMware and execute simple java program has been completed successfully.