NETWORKING & SYSTEM ADMINISTRATION LAB

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Roll No: 52

Batch: A

Date: 21/03/2022

Experiment No.: 1

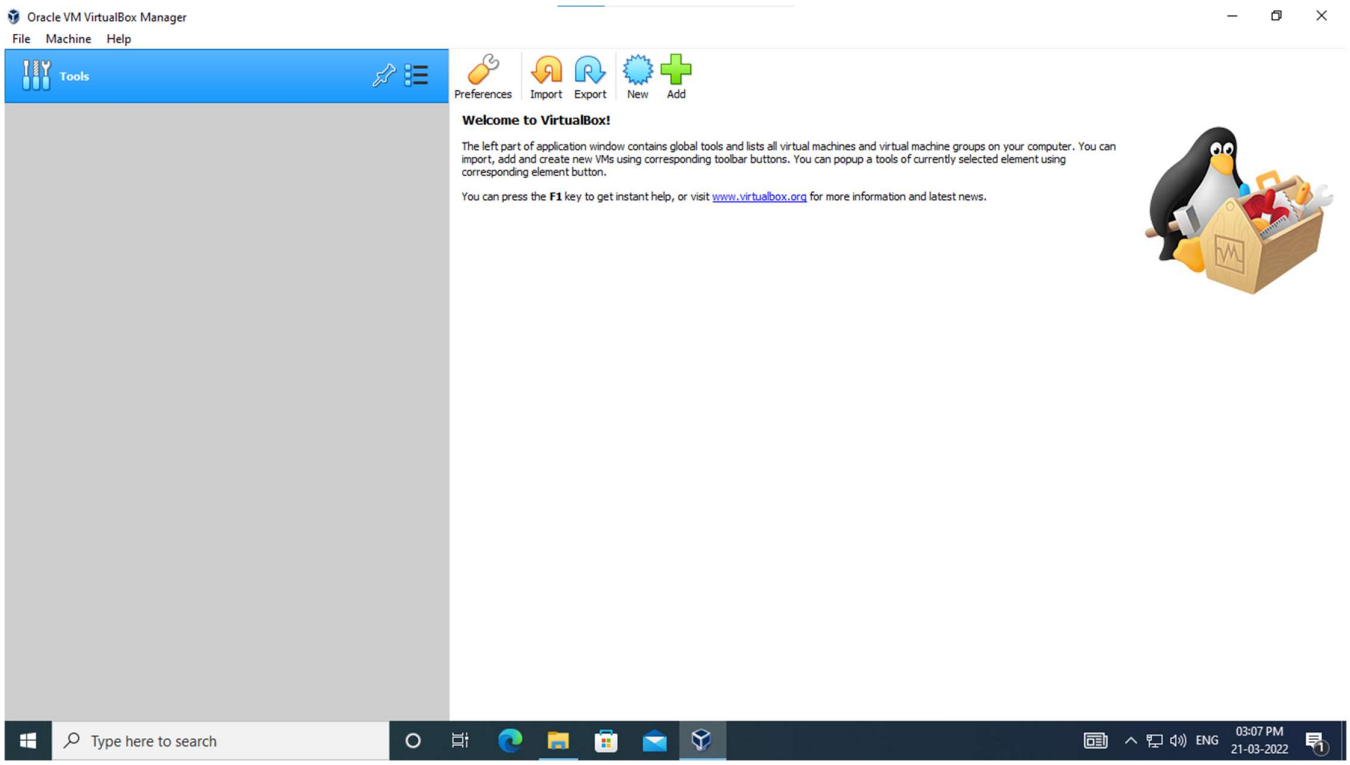
Aim

You are given a computer with very low hardware resources, it is to be used as a kiosk identify and install a suitable Linux distribution, you can simulate it in a virtual environment.

Procedure

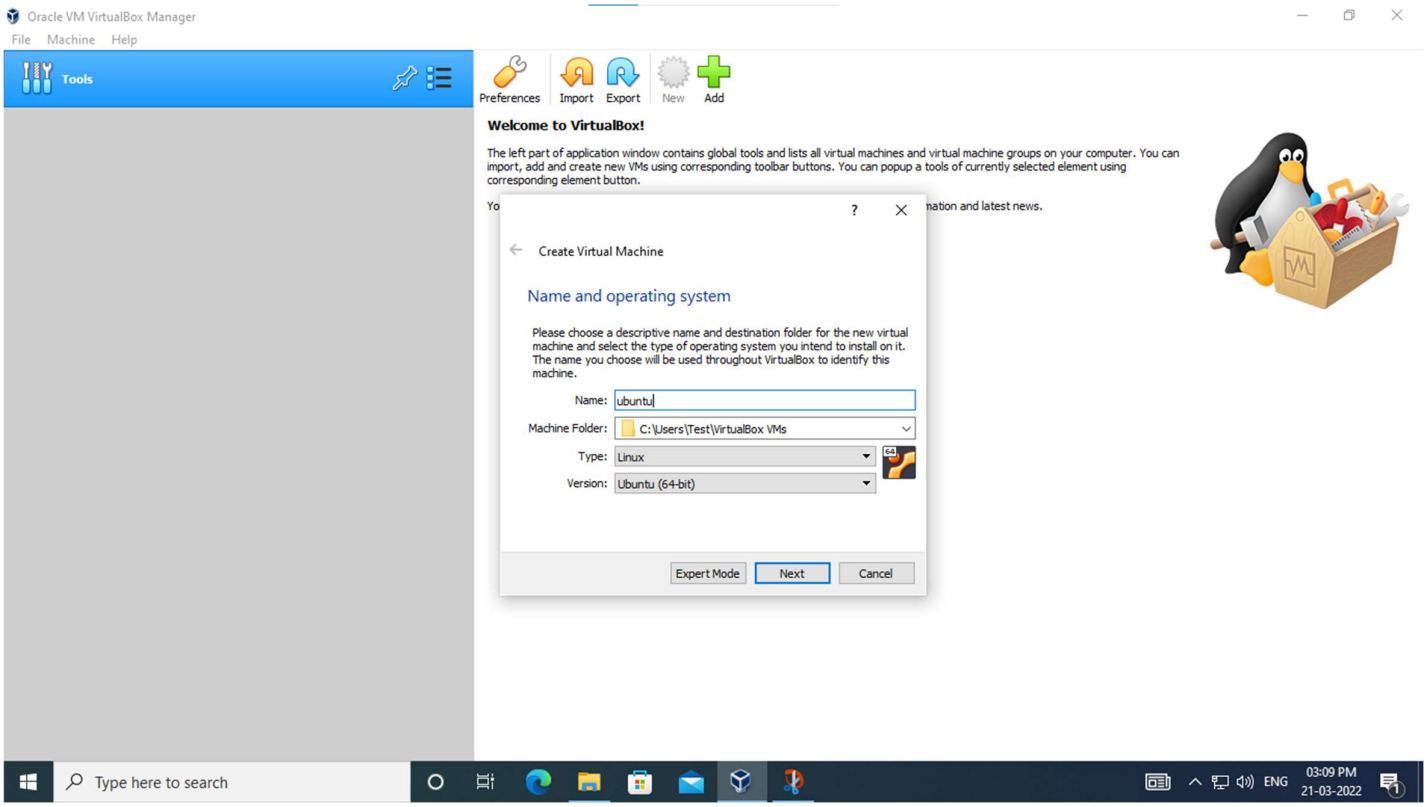
Step 1

Install virtual box.



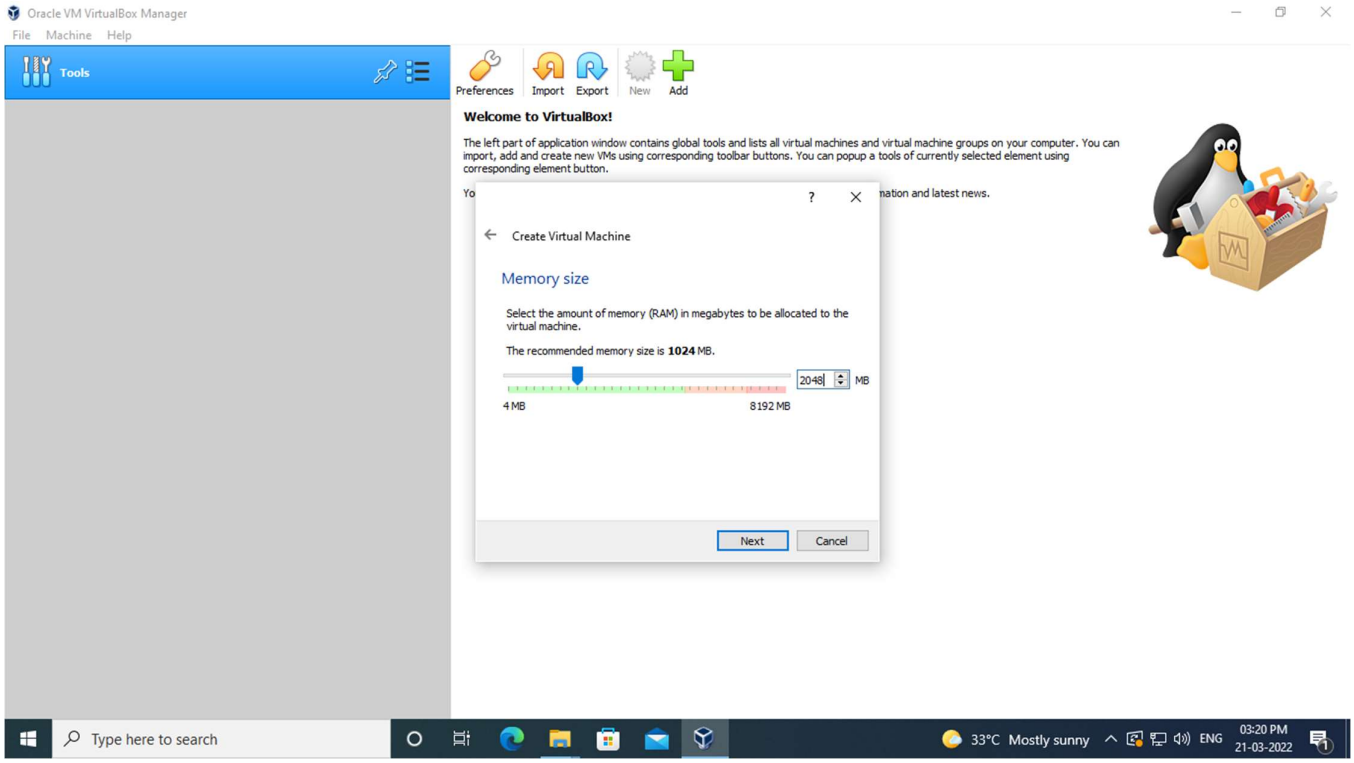
Step 2

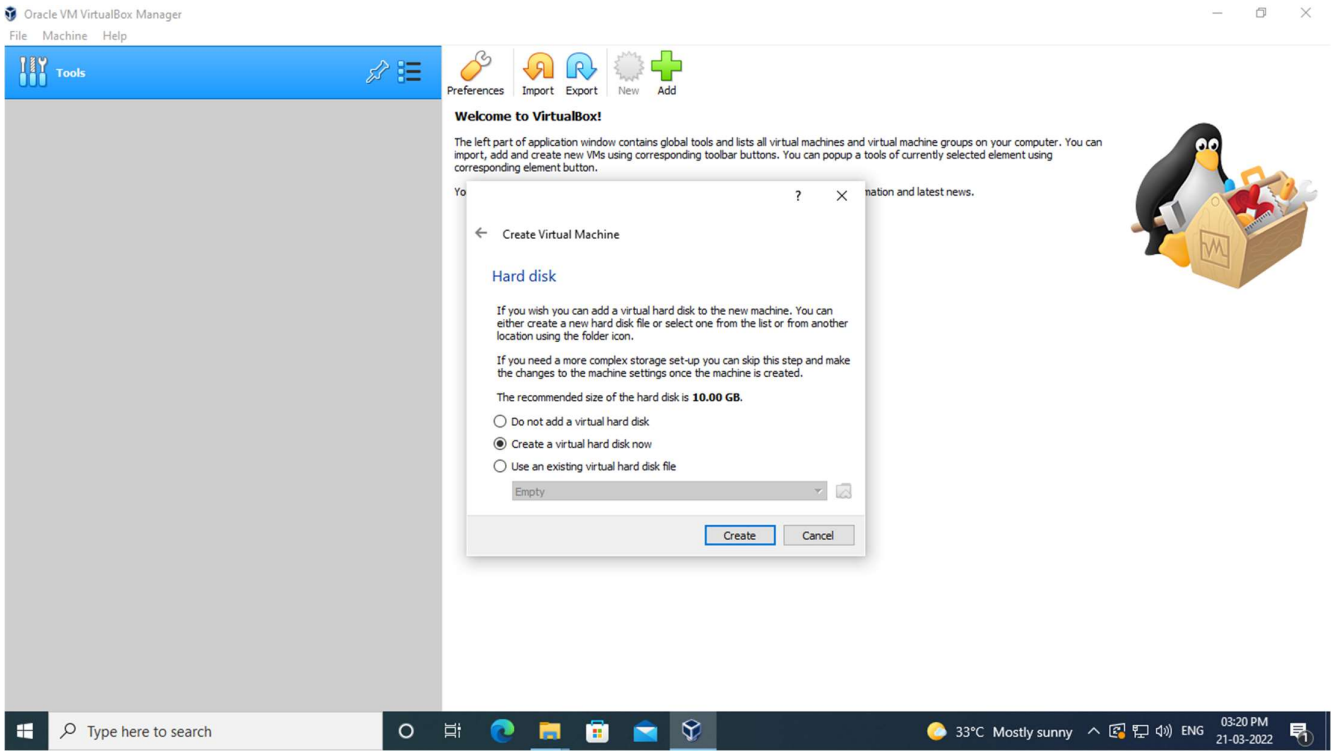
Click new to add new operating system and give it a name.

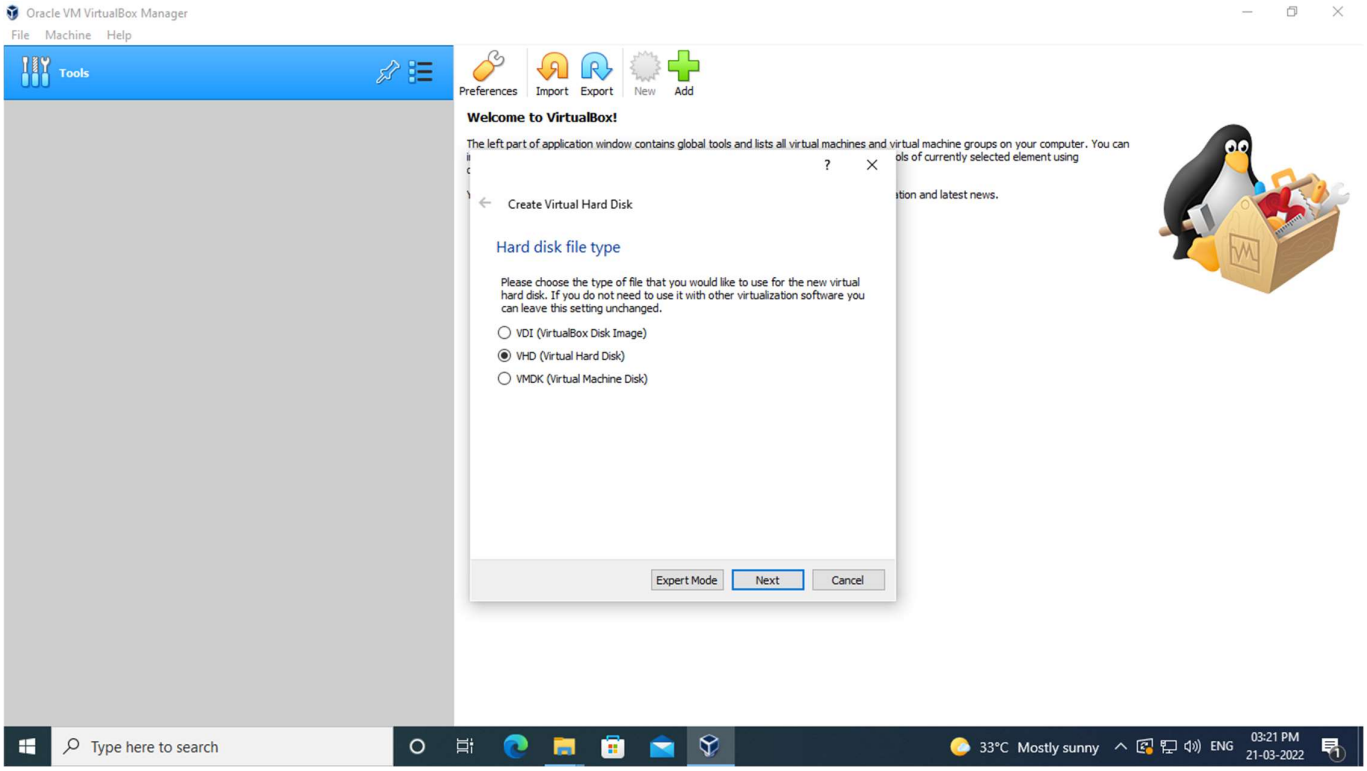


Step 3

Set the size of ram required and create a virtual hard disk.

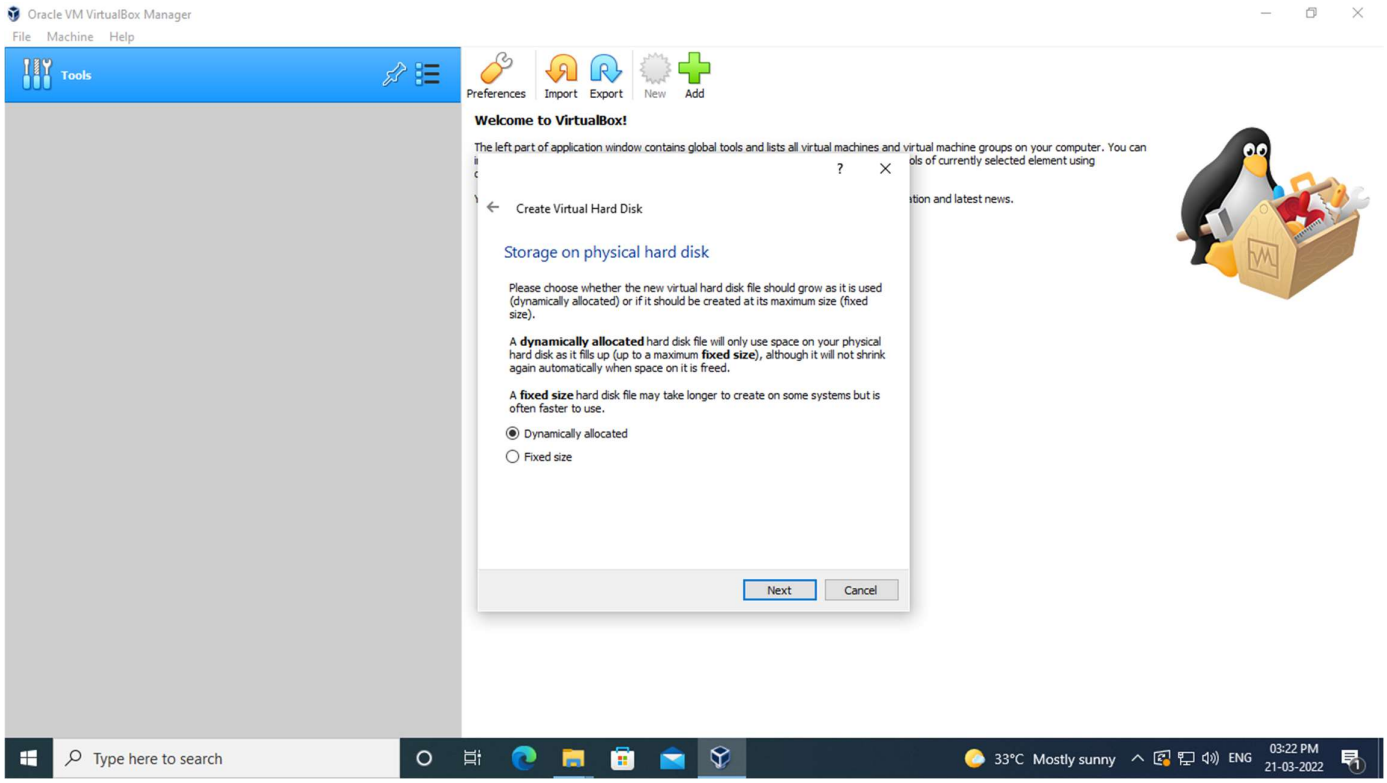


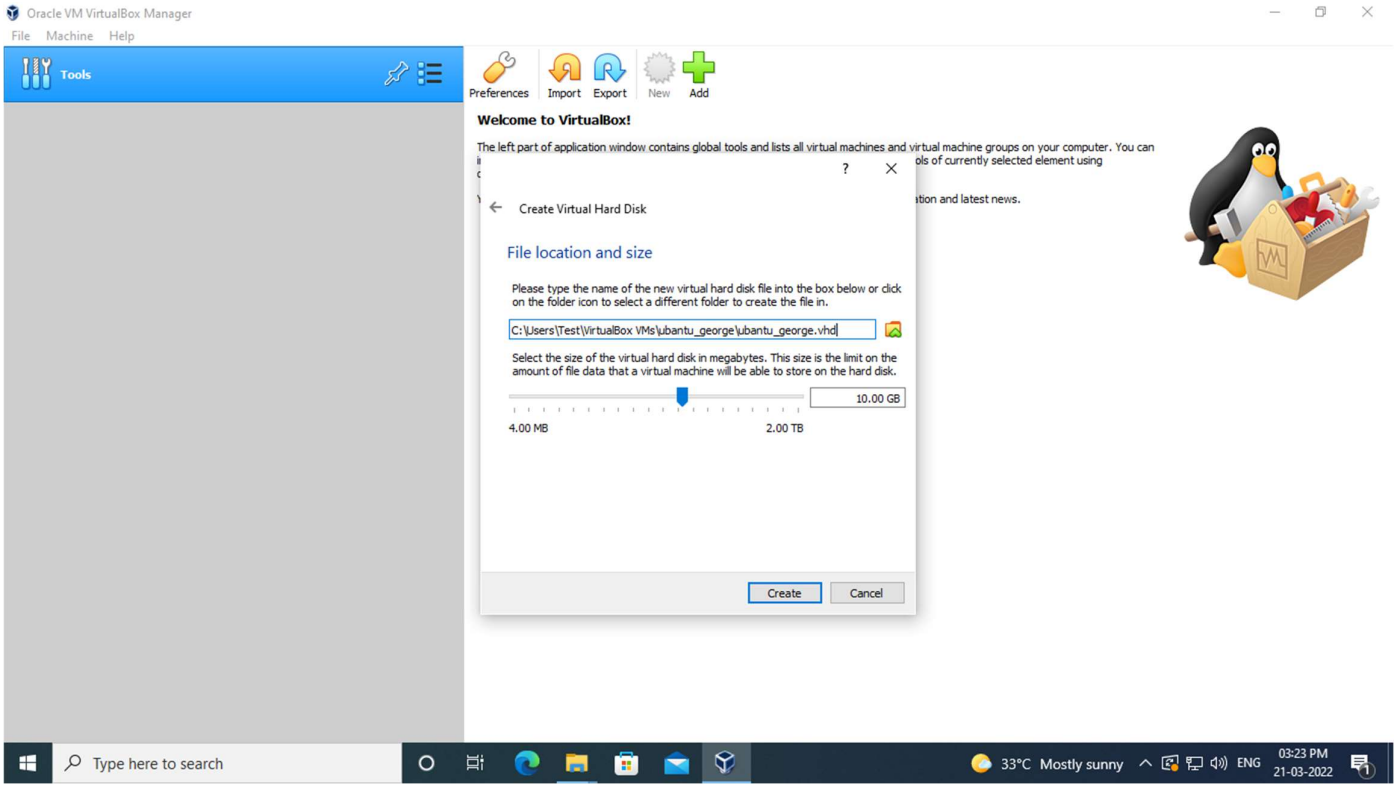

Oracle VM VirtualBox Manager
File Machine Help
Tools
Preferences Import Export New Add
Welcome to VirtualBox!
The left part of application window contains global tools and lists all virtual machines and virtual machine groups on your computer. You can import, add and create new VMs using corresponding toolbar buttons. You can popup a tools of currently selected element using corresponding element button.
Create Virtual Machine
Hard disk
If you wish you can add a virtual hard disk to the new machine. You can either create a new hard disk file or select one from the list or from another location using the folder icon.
If you need a more complex storage set-up you can skip this step and make the changes to the machine settings once the machine is created.
The recommended size of the hard disk is 10.00 GB.
Do not add a virtual hard disk
Create a virtual hard disk now
Use an existing virtual hard disk file
Empty
Create
Cancel
Type here to search
33°C Mostly sunny
ENG
03:20 PM
21-03-2022

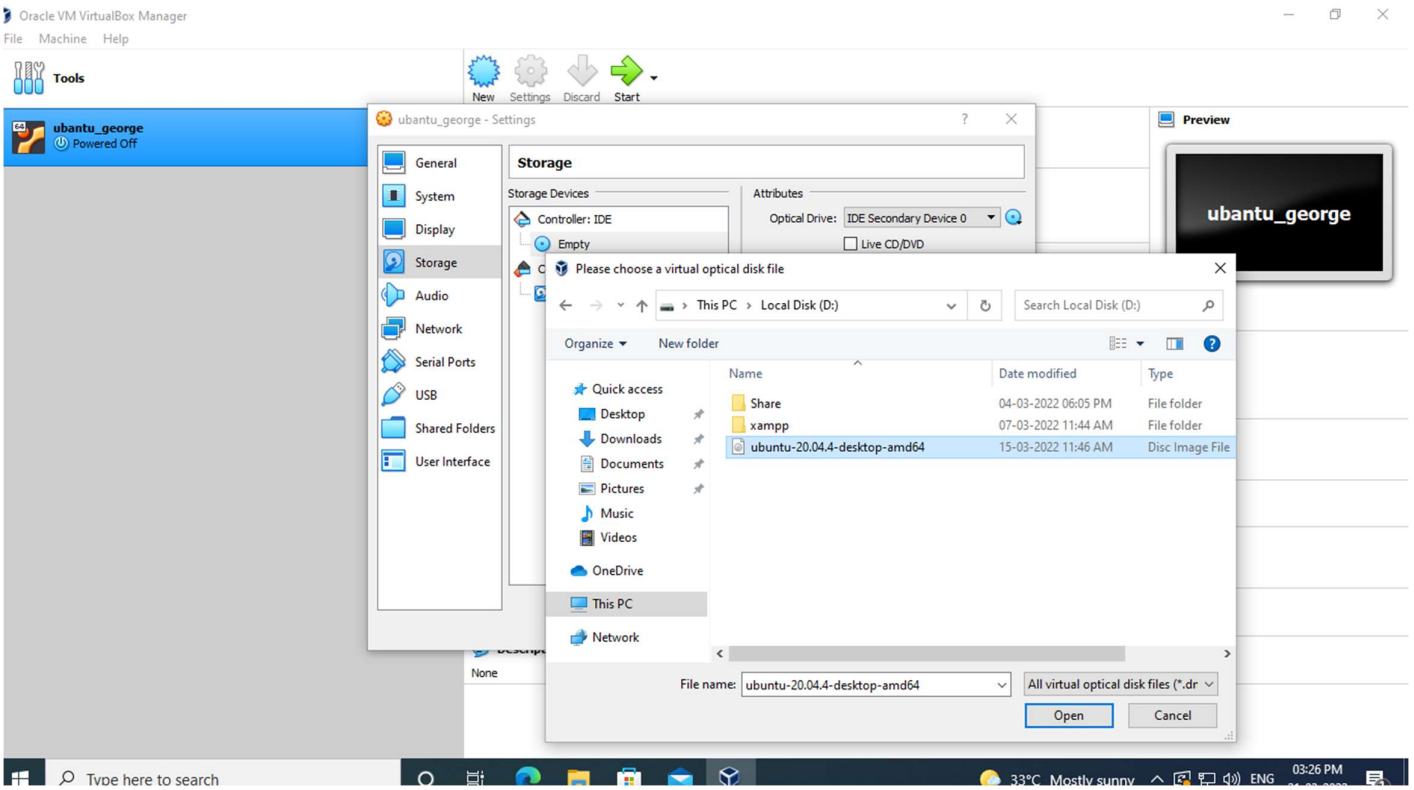

Oracle VM VirtualBox Manager
File Machine Help
Tools
Preferences Import Export New Add
Welcome to VirtualBox!
Create Virtual Hard Disk
Hard disk file type
Please choose the type of file that you would like to use for the new virtual hard disk. If you do not need to use it with other virtualization software you can leave this setting unchanged.
VDI (VirtualBox Disk Image)
VHD (Virtual Hard Disk)
VMDK (Virtual Machine Disk)
Expert Mode
Next
Cancel
Type here to search
33°C Mostly sunny
ENG
03:21 PM
21-03-2022

Step 4

Set memory type to dynamically allocated and add location of the iso file.

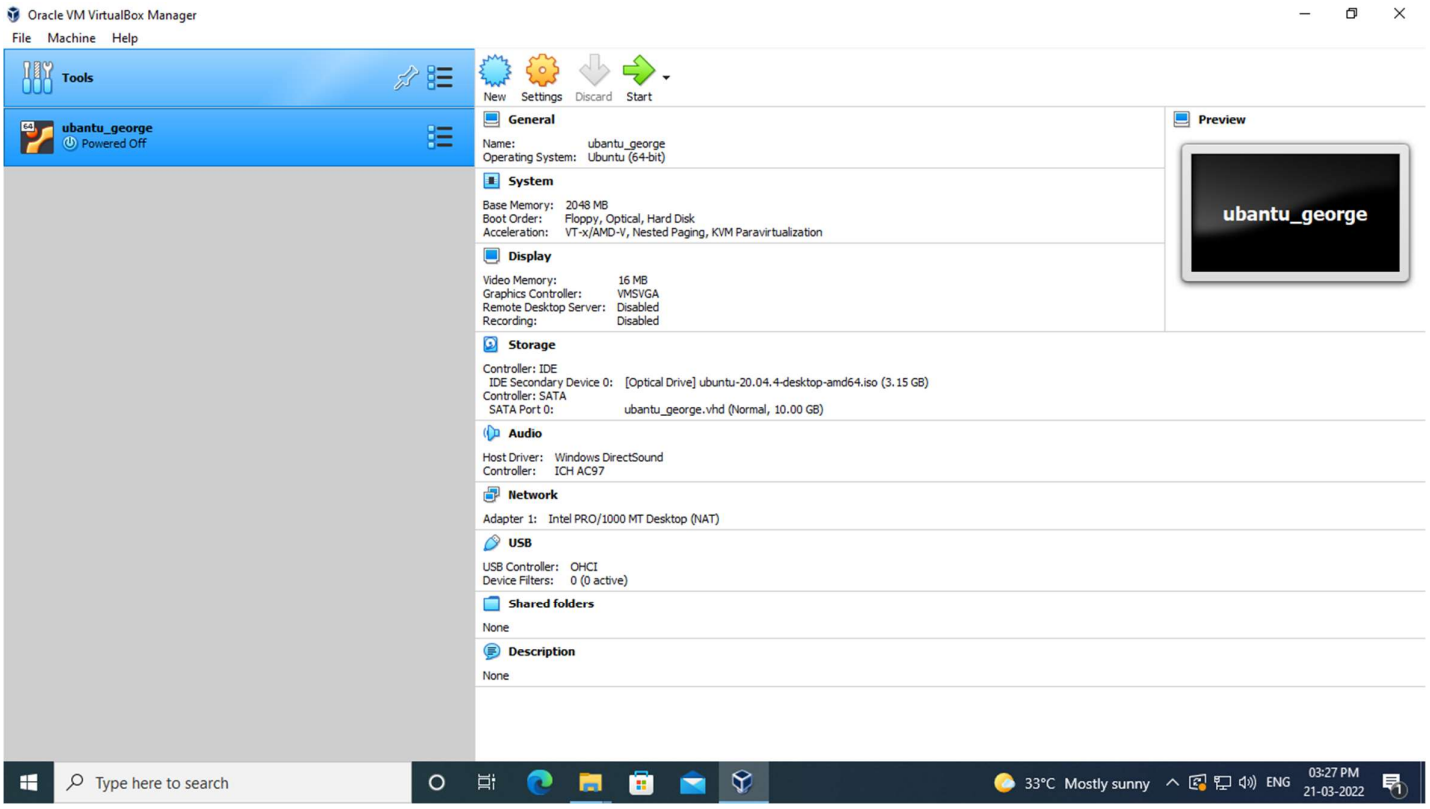


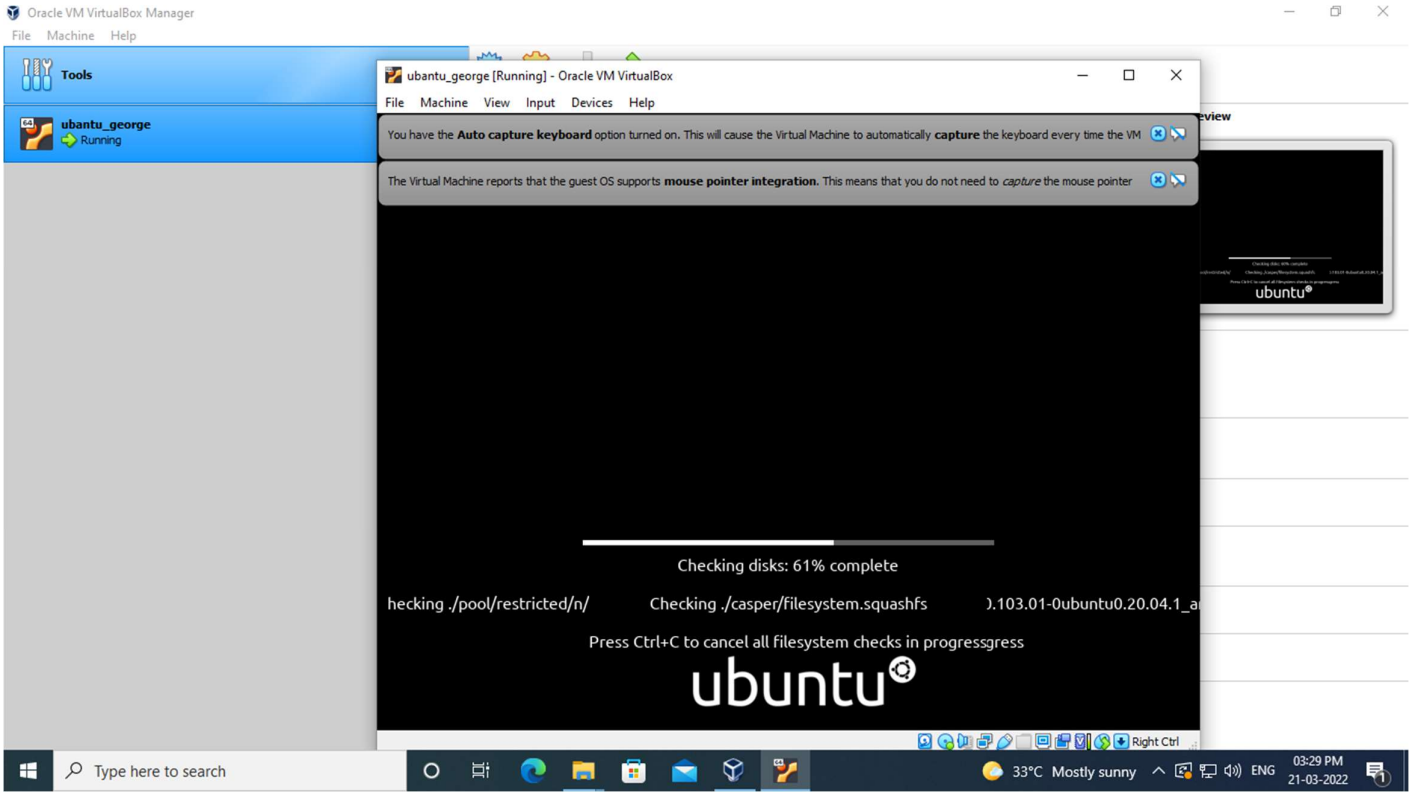


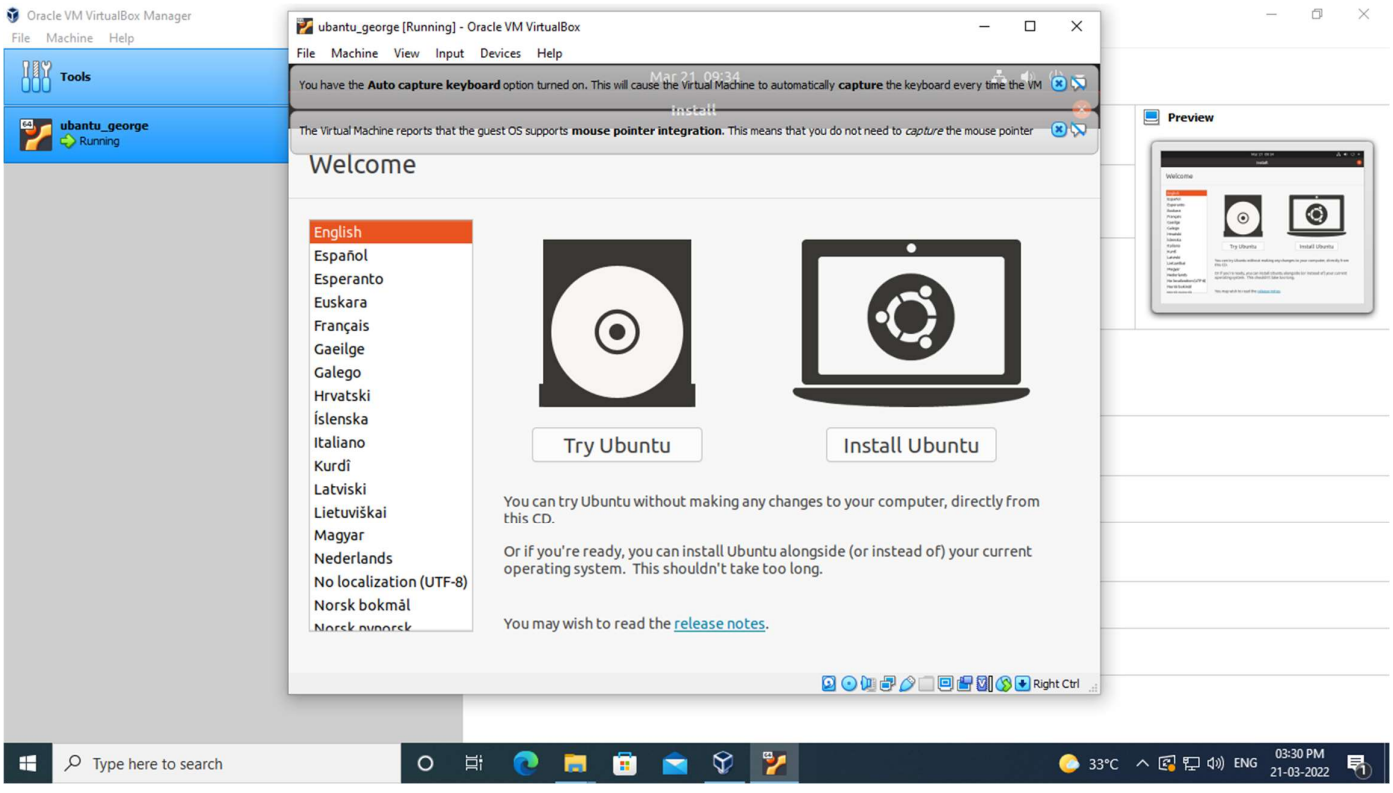


Step 5

Click the start arrow to run the OS.




Oracle VM VirtualBox Manager
File Machine Help
Tools
ubantu_george
Running
ubantu_george [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
You have the Auto capture keyboard option turned on. This will cause the Virtual Machine to automatically capture the keyboard every time the VM
The Virtual Machine reports that the guest OS supports mouse pointer integration. This means that you do not need to capture the mouse pointer
Checking disks: 61% complete
hecking ./pool/restricted/n/
Checking ./casper/filesystem.squashfs
Press Ctrl+C to cancel all filesystem checks in progressgress
ubuntu
Right Ctrl
Type here to search
33°C Mostly sunny
ENG
03:29 PM
21-03-2022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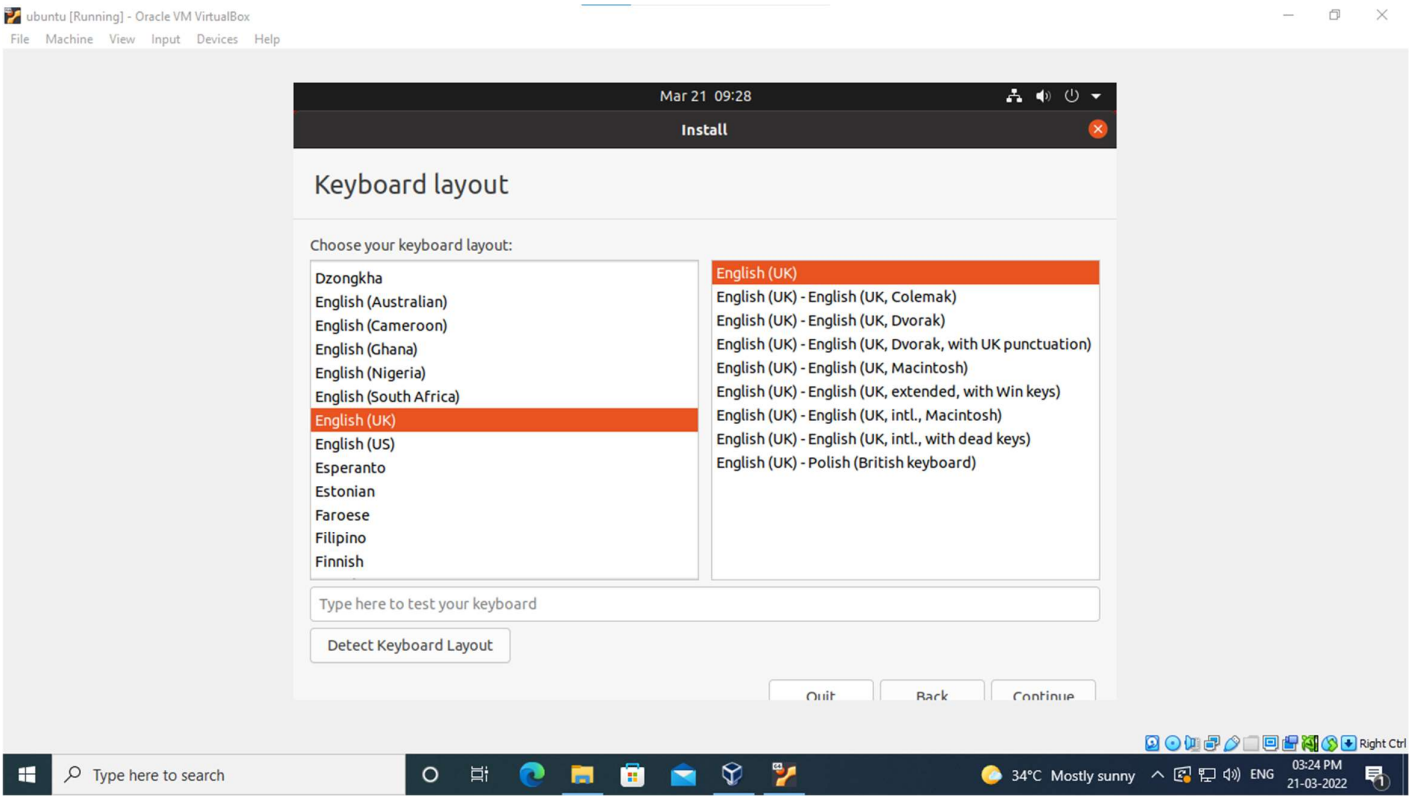
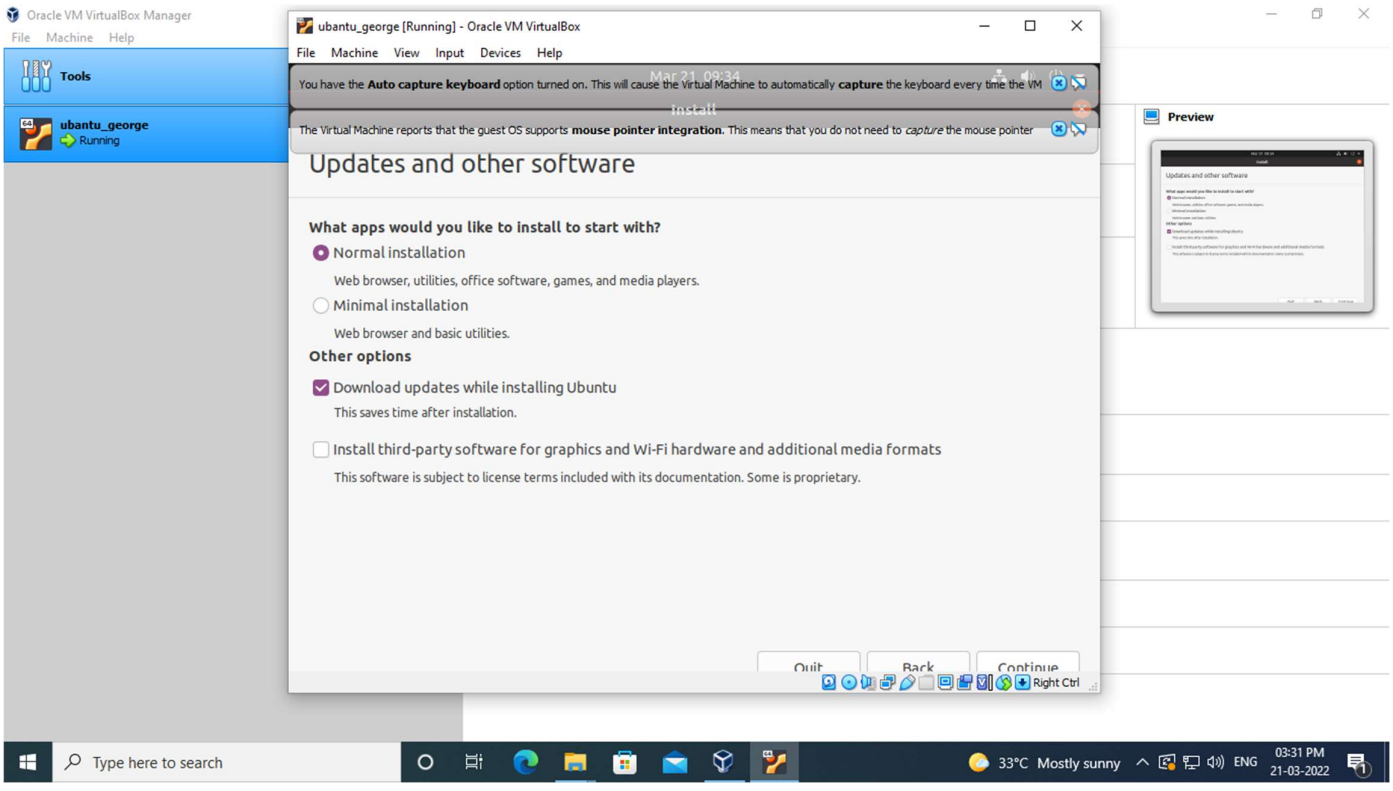
Welcome
English
Español
Esperanto
Euskara
Français
Gaeilge
Galego
Hrvatski
Íslenska
Italiano
Kurdî
Latviski
Lietuviškai
Magyar
Nederlands
No localization (UTF-8)
Norsk bokmål
Try Ubuntu
Install Ubuntu
You can try Ubuntu without making any changes to your computer, directly from this CD.
Or if you're ready, you can install Ubuntu alongside (or instead of) your current operating system. This shouldn't take too long.
You may wish to read the release notes.
Preview
Right Ctrl
Type here to search
33°C
ENG
03:30 PM
21-03-2022


ubuntu [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Mar 21 09:28
Install
Keyboard layout
Choose your keyboard layout:
Dzongkha
English (Australian)
English (Cameroon)
English (Ghana)
English (Nigeria)
English (South Africa)
English (UK)
English (US)
Esperanto
Estonian
Faroese
Filipino
Finnish
English (UK)
English (UK) - English (UK, Colemak)
English (UK) - English (UK, Dvorak)
English (UK) - English (UK, Dvorak, with UK punctuation)
English (UK) - English (UK, Macintosh)
English (UK) - English (UK, extended, with Win keys)
English (UK) - English (UK, intl., Macintosh)
English (UK) - English (UK, intl., with dead keys)
English (UK) - Polish (British keyboard)
Type here to test your keyboard
Detect Keyboard Layout
Quit
Back
Continue
Right Ctrl
Type here to search
34°C Mostly sunny
ENG
03:24 PM
21-03-2022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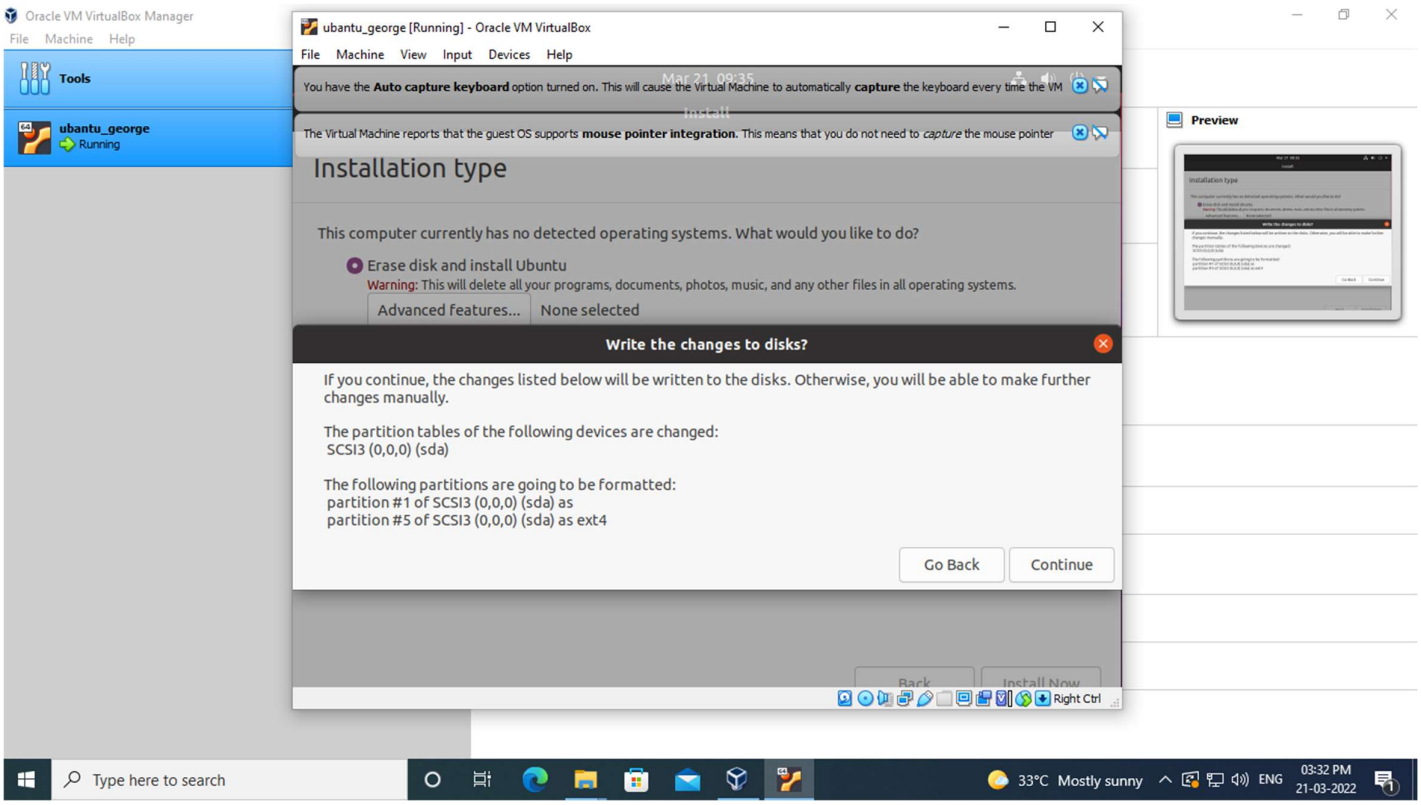
Updates and other software
What apps would you like to install to start with?
Normal installation
Web browser, utilities, office software, games, and media players.
Minimal installation
Web browser and basic utilities.
Other options
Download updates while installing Ubuntu
This saves time after installation.
Install third-party software for graphics and Wi-Fi hardware and additional media formats
This software is subject to license terms included with its documentation. Some is proprietary.
Quit
Back
Continue
Right Ctrl
Preview
Type here to search
33°C Mostly sunny
ENG
03:31 PM
21-03-2022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File Machine Help
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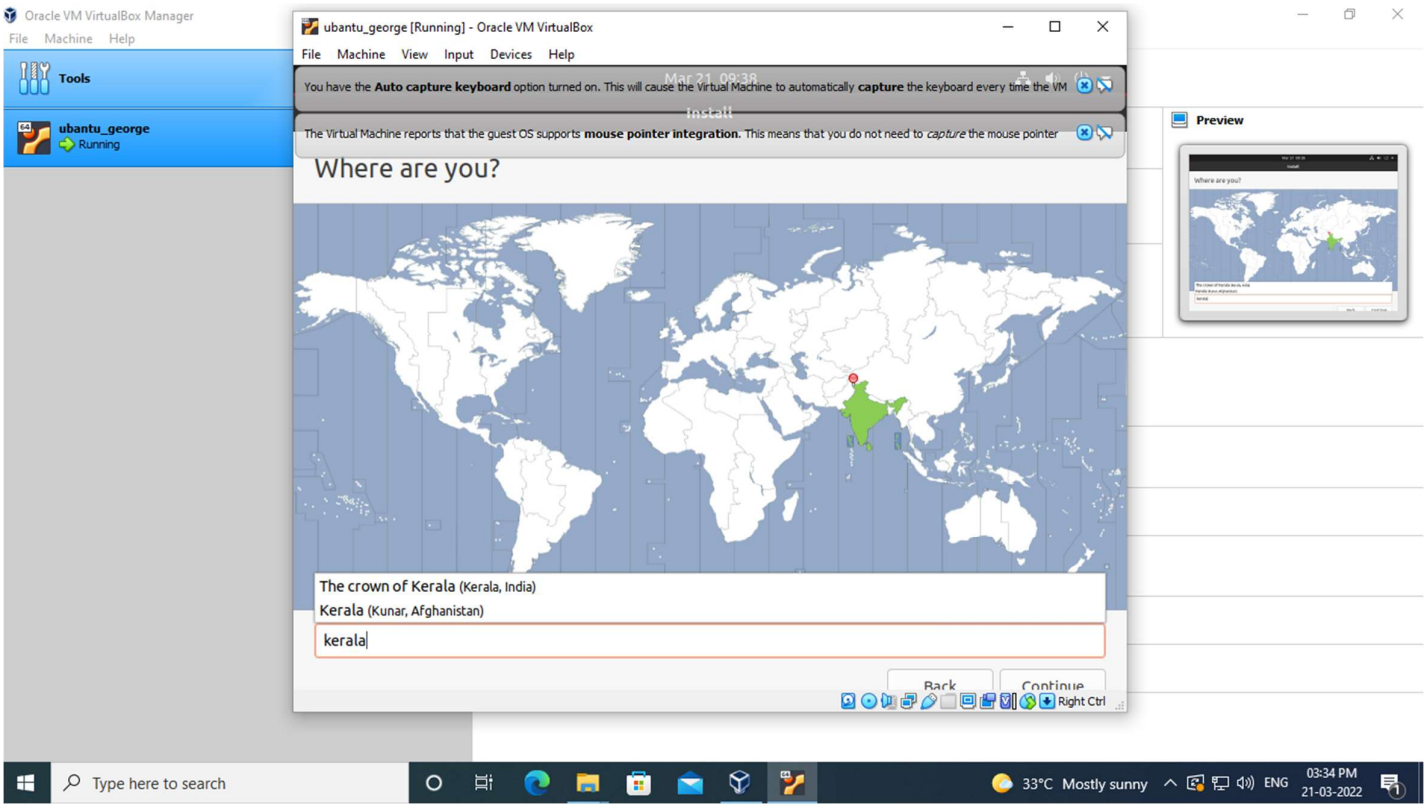
Installation type
This computer currently has no detected operating systems. What would you like to do?
Erase disk and install Ubuntu
Warning: This will delete all your programs, documents, photos, music, and any other files in all operating systems.
Advanced features...
None selected
Write the changes to disks?
If you continue, the changes listed below will be written to the disks. Otherwise, you will be able to make further changes manually.
The partition tables of the following devices are changed:
SCSI3 (0,0,0) (sda)
The following partitions are going to be formatted:
partition #1 of SCSI3 (0,0,0) (sda) as
partition #5 of SCSI3 (0,0,0) (sda) as ext4
Go Back
Continue
Back
Install Now
Right Ctrl
Preview
Type here to search
33°C Mostly sunny
ENG
03:32 PM
21-03-2022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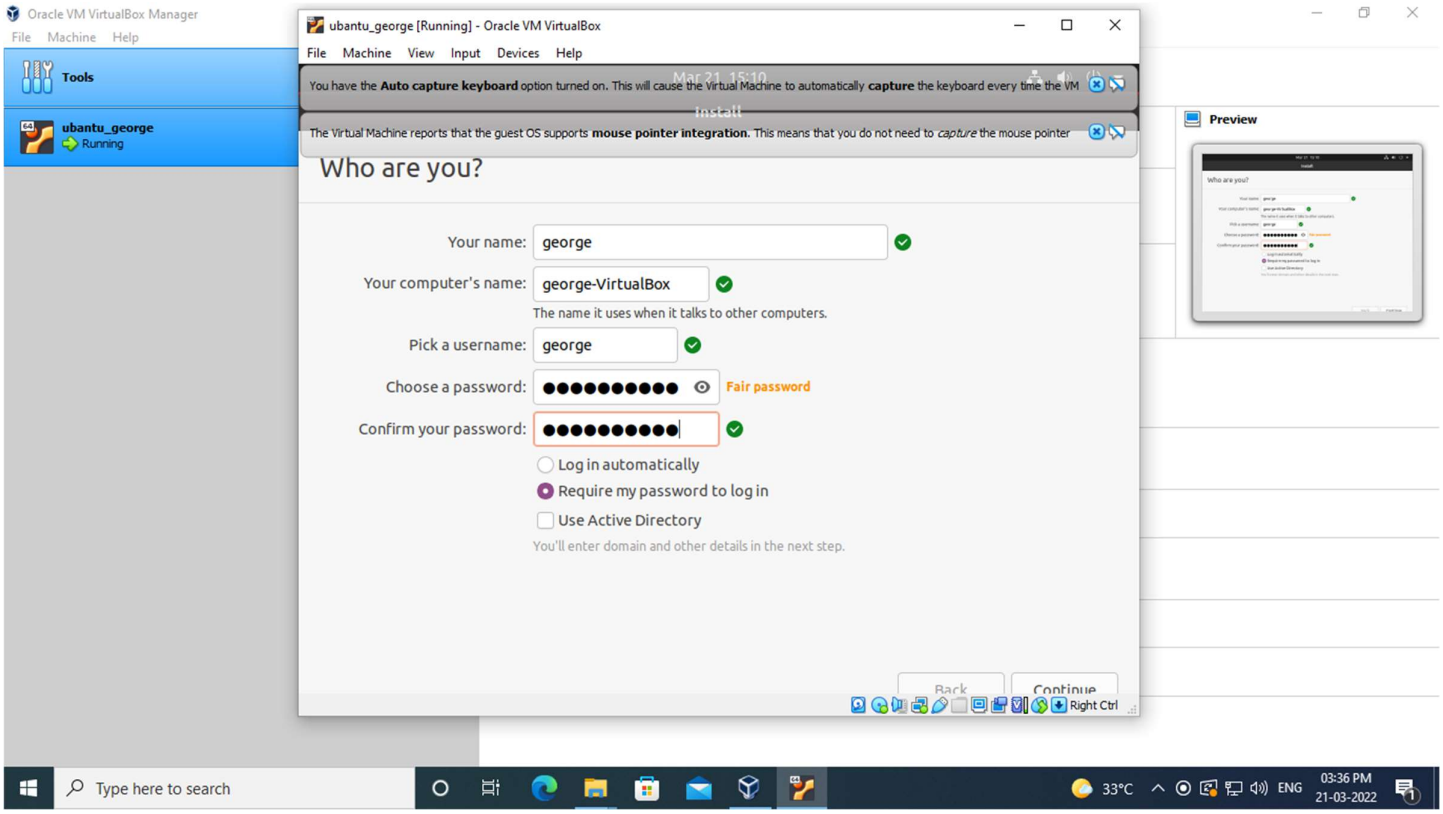
Where are you?
The crown of Kerala (Kerala, India)
Kerala (Kunar, Afghanistan)
kerala
Back
Continue
Right Ctrl
Preview
Type here to search
33°C Mostly sunny
ENG
03:34 PM
21-03-2022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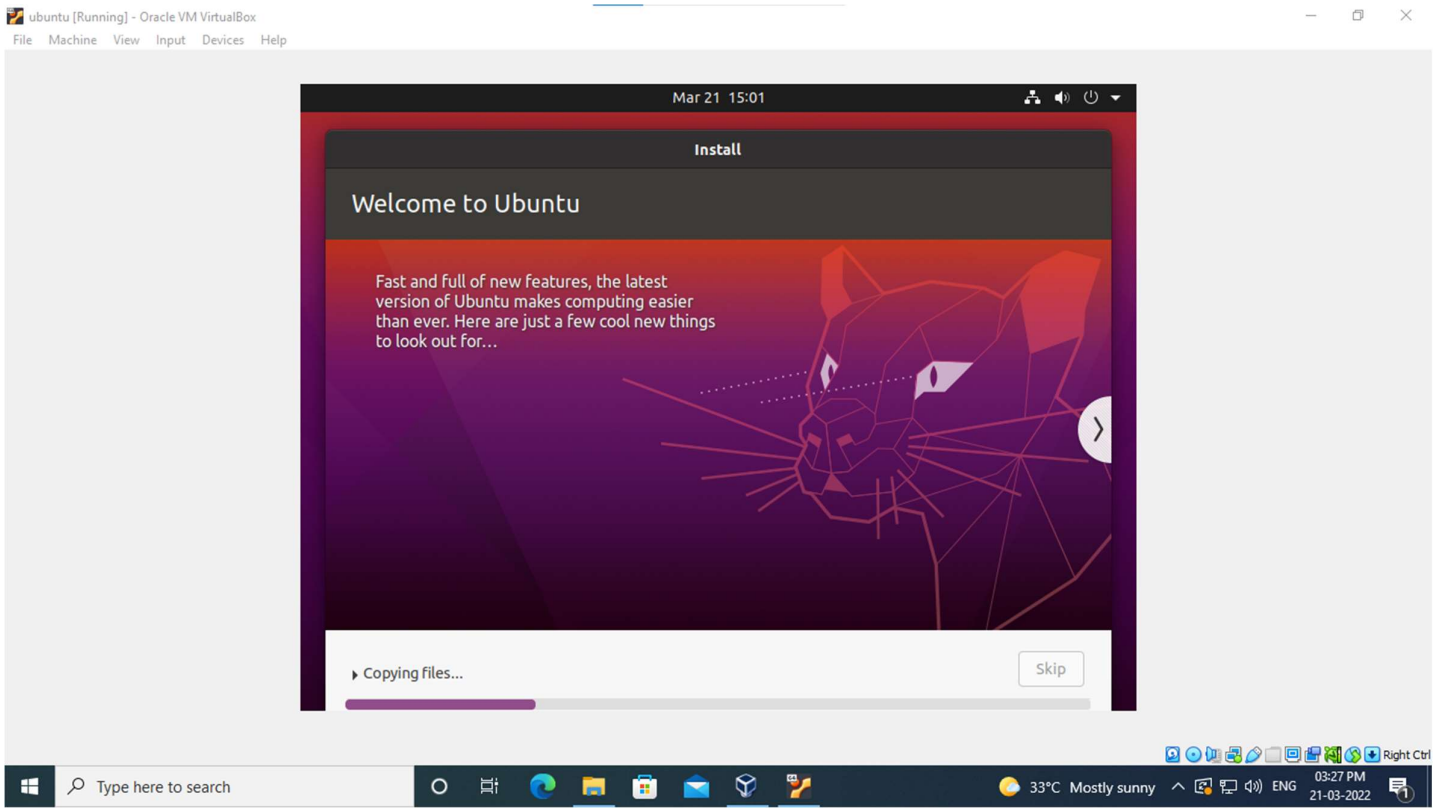
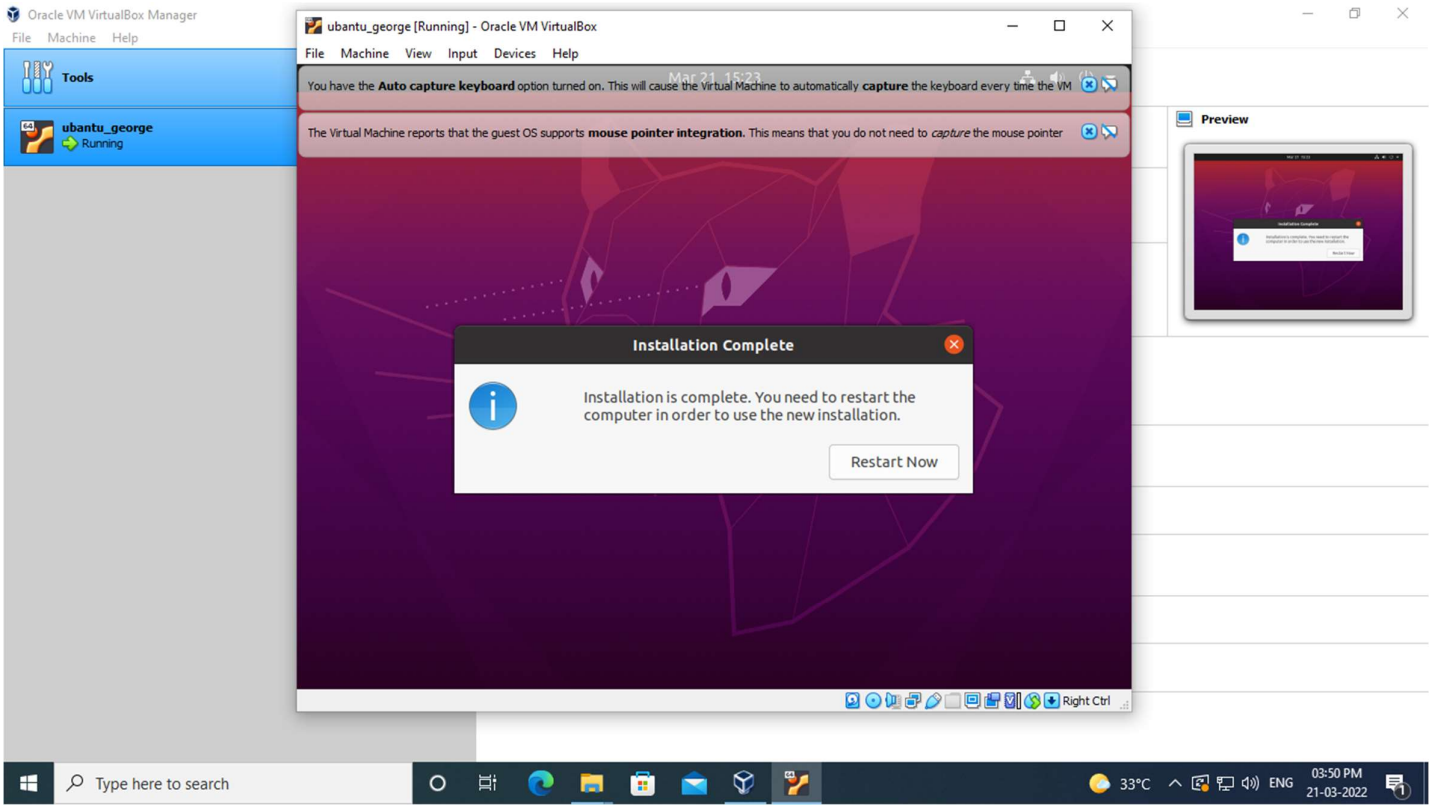
Who are you?
Your name: george
Your computer's name: george-VirtualBox
The name it uses when it talks to other computers.
Pick a username: george
Choose a password:
Fair password
Confirm your password:
Log in automatically
Require my password to log in
Use Active Directory
You'll enter domain and other details in the next step.
Back
Continue
Right Ctrl
Preview
Type here to search
33°C
ENG
03:36 PM
21-03-2022


ubuntu [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Mar 21 15:01
Install
Welcome to Ubuntu
Fast and full of new features, the latest version of Ubuntu makes computing easier than ever. Here are just a few cool new things to look out for...
Copying files...
Skip
Right Ctrl
Type here to search
33°C Mostly sunny
ENG
03:27 PM
21-03-2022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ubantu_george
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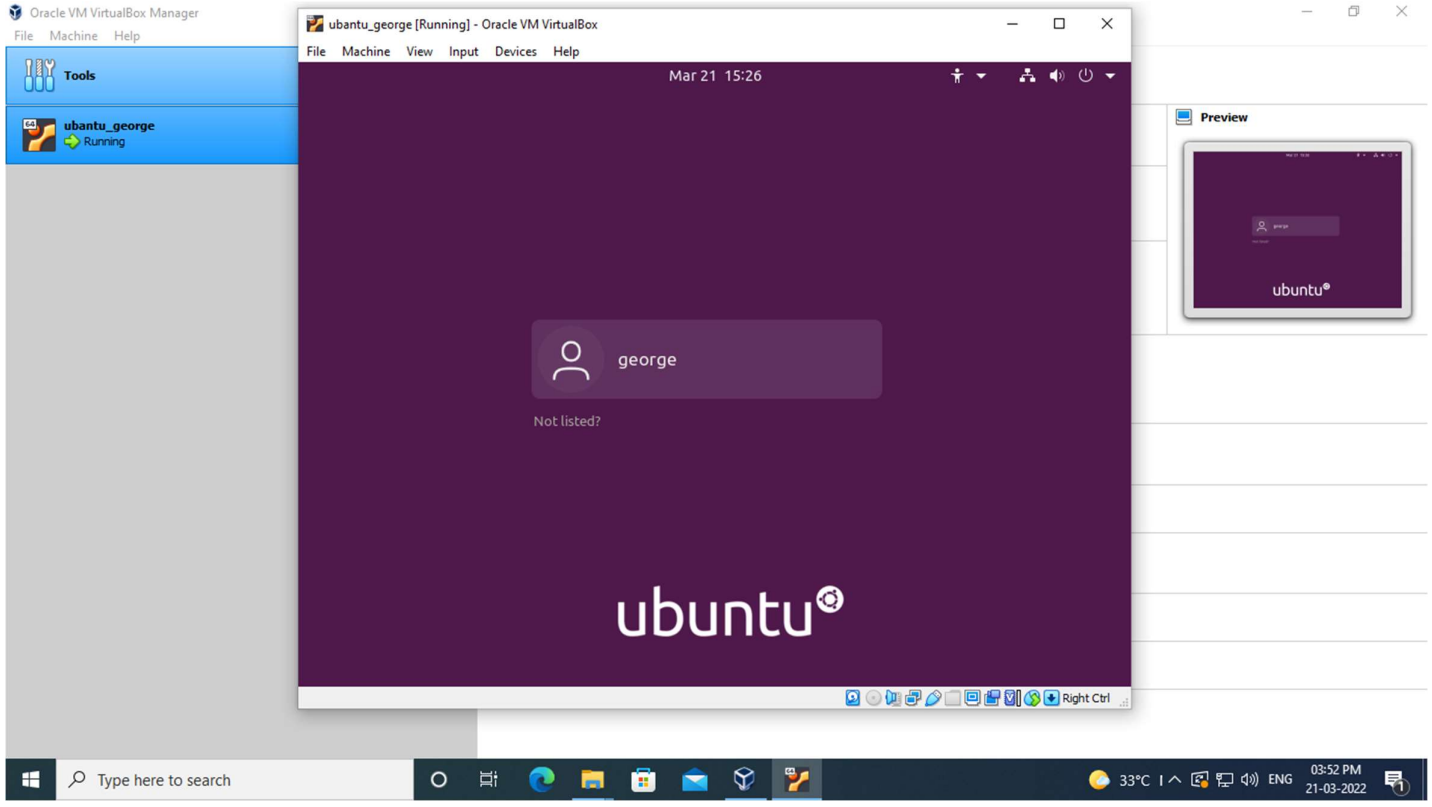
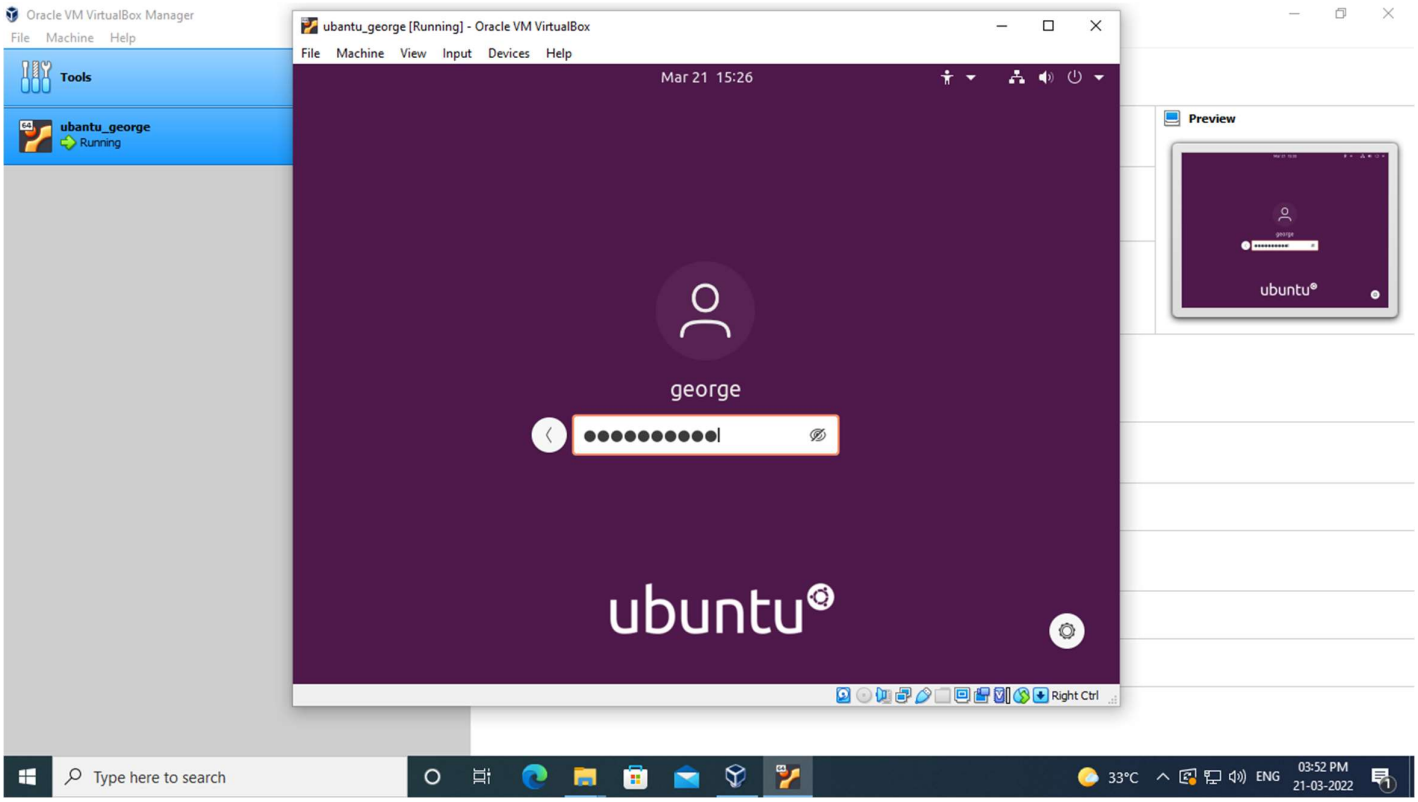
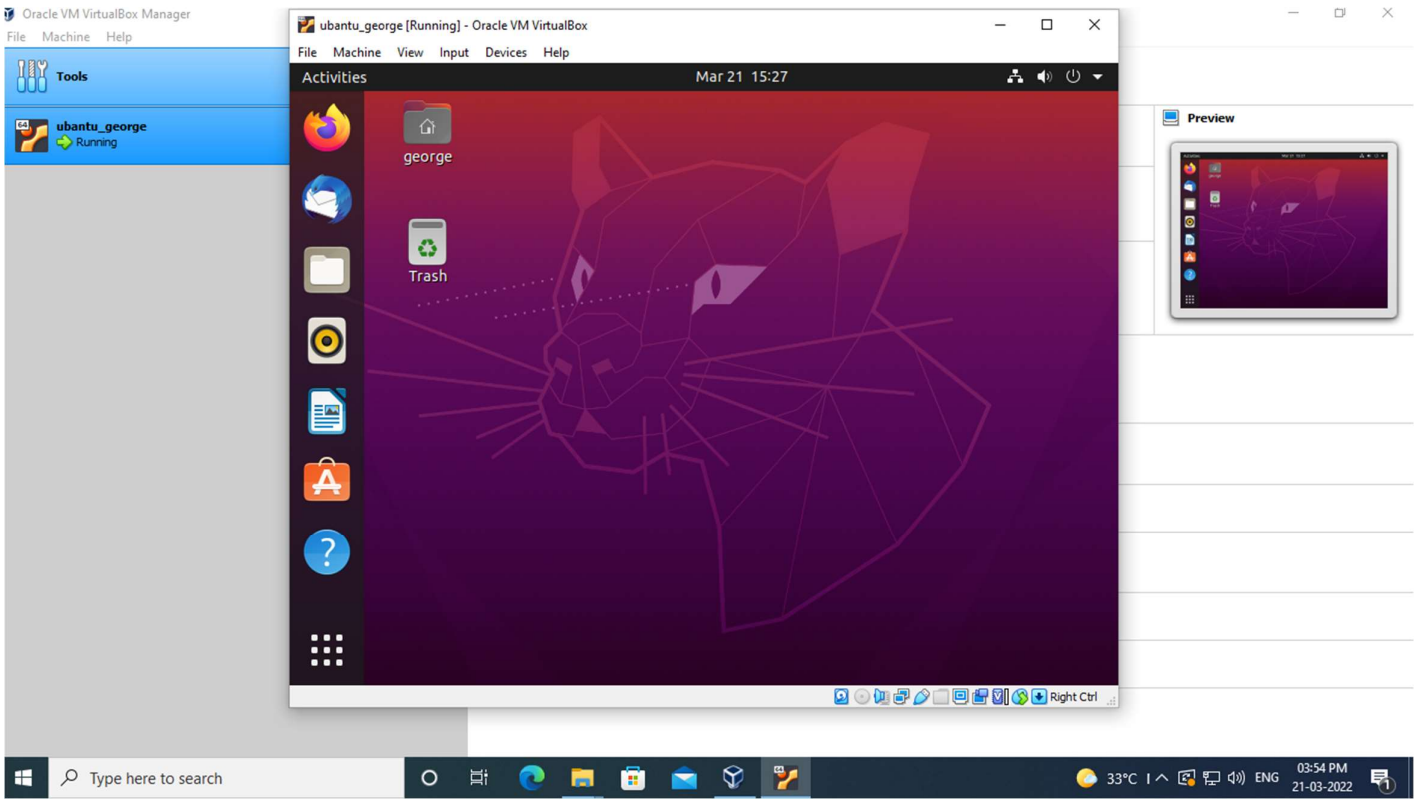
Installation Complete
Installation is complete. You need to restart the computer in order to use the new installation.
Restart Now
Right Ctrl
Preview
Type here to search
33°C
ENG
03:50 PM
21-03-2022


Oracle VM VirtualBox Manager
File Machine Help
Tools
ubantu_george
Running
ubantu_george [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Mar 21 15:26
george
Not listed?
ubuntu
Right Ctrl
Preview
ubuntu
Type here to search
33°C
ENG
03:52 PM
21-03-2022


Oracle VM VirtualBox Manager
File Machine Help
Tools
ubantu_george
Running
ubantu_george [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Mar 21 15:26
george
ubuntu
Preview
Right Ctrl
Type here to search
33°C
ENG
03:52 PM
21-03-2022


Oracle VM VirtualBox Manager
File Machine Help
Tools
ubantu_george
Running
ubantu_george [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities
Mar 21 15:27
george
Trash
Preview
Right Ctrl
Type here to search
33°C
ENG
03:54 PM
21-03-2022