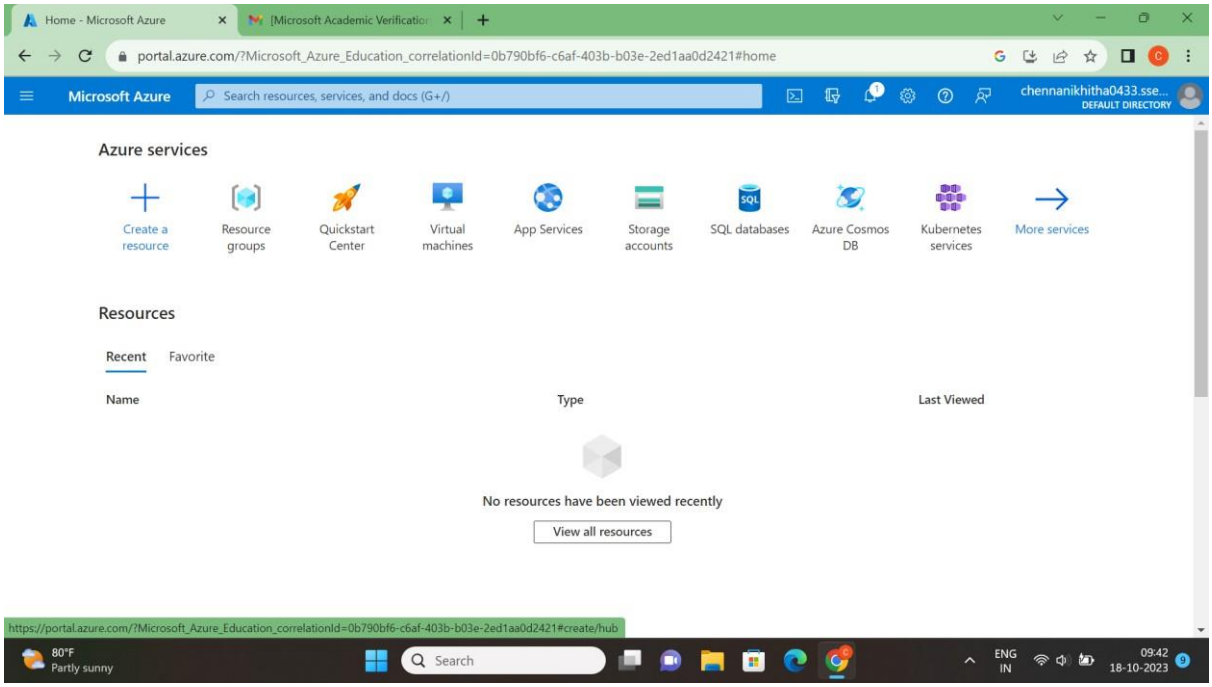
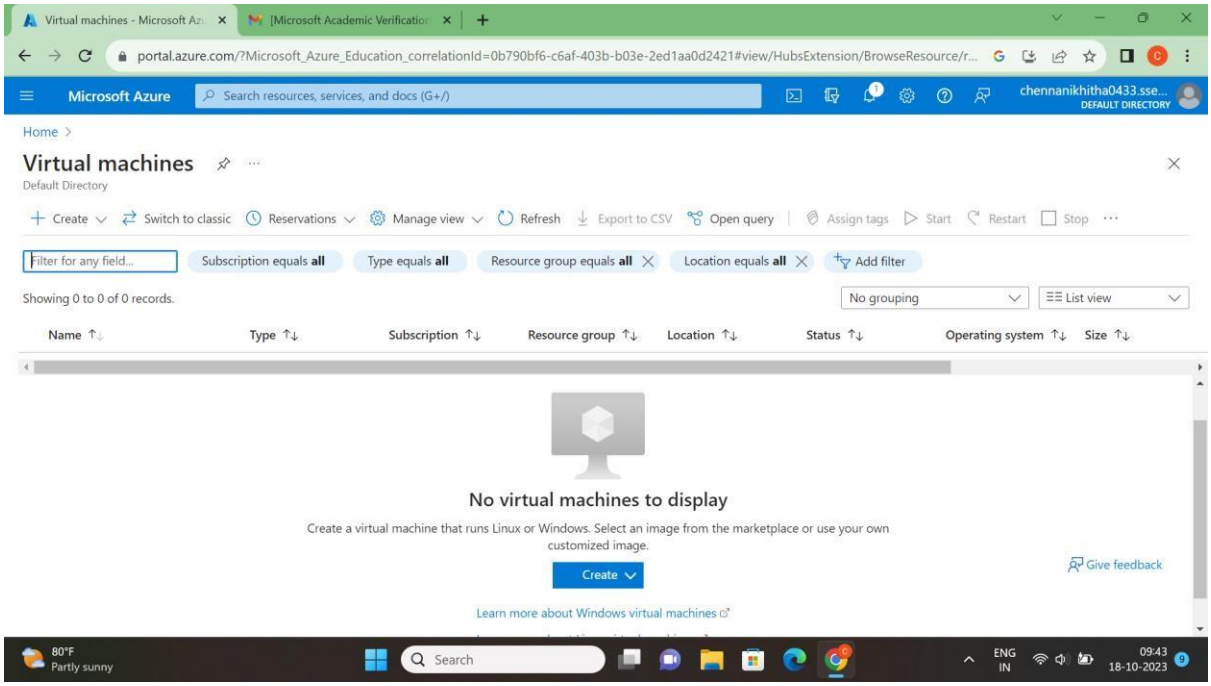
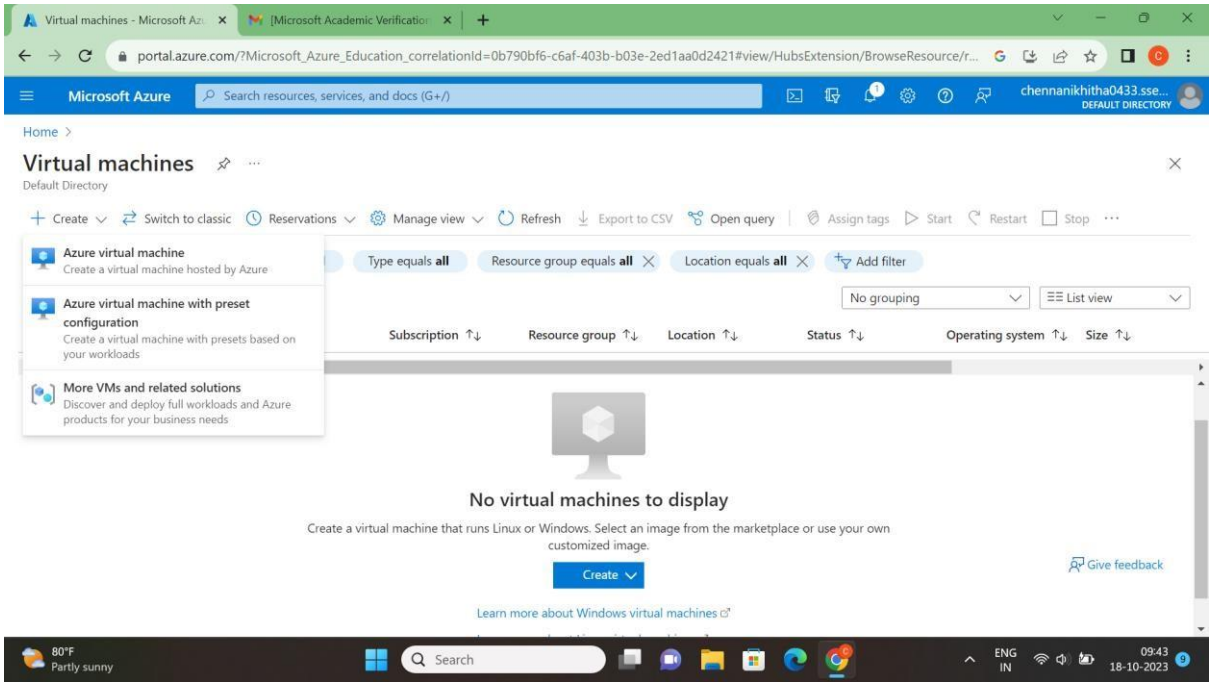
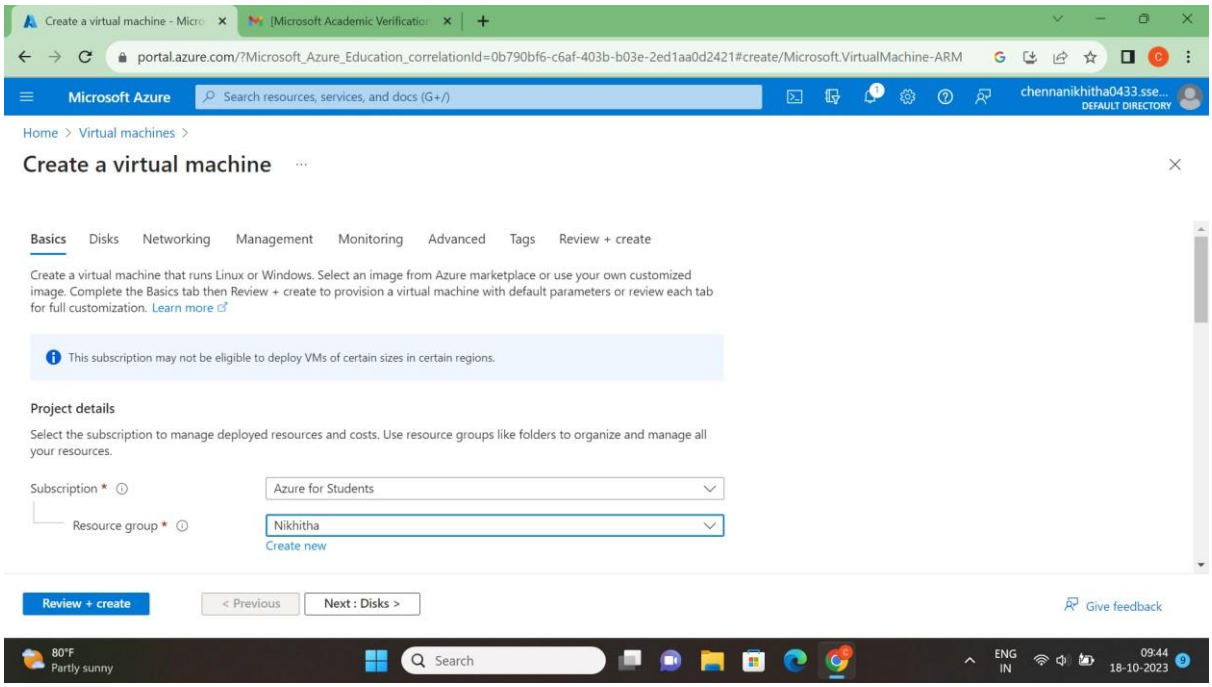
Experiment-12

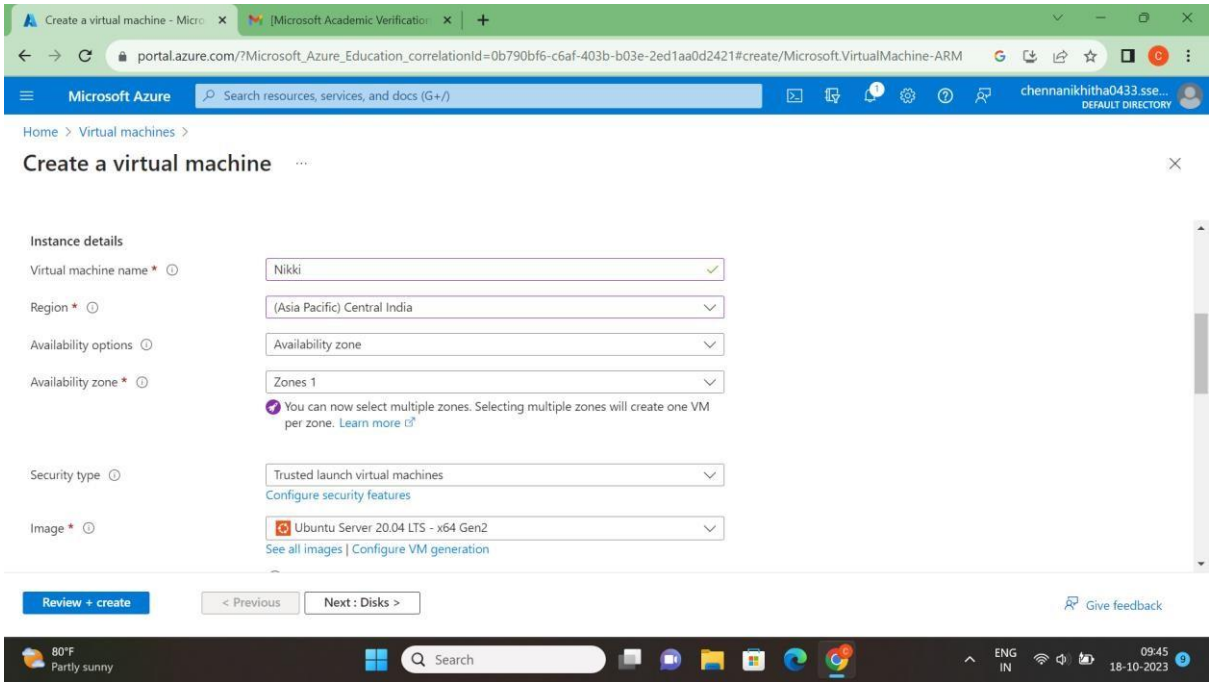
Demonstrate Infrastructure as a Service (IaaS) by creating a Virtual Machine using a Public Cloud Service Provider (Azure), configure with required memory and CPU.

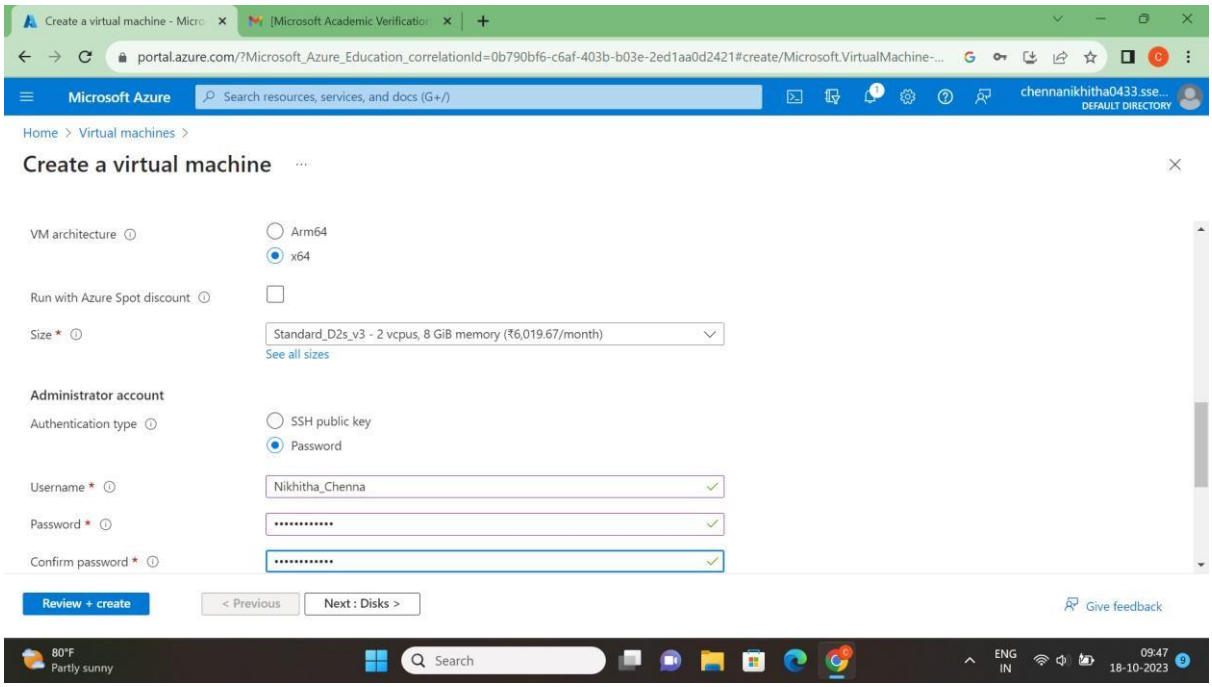


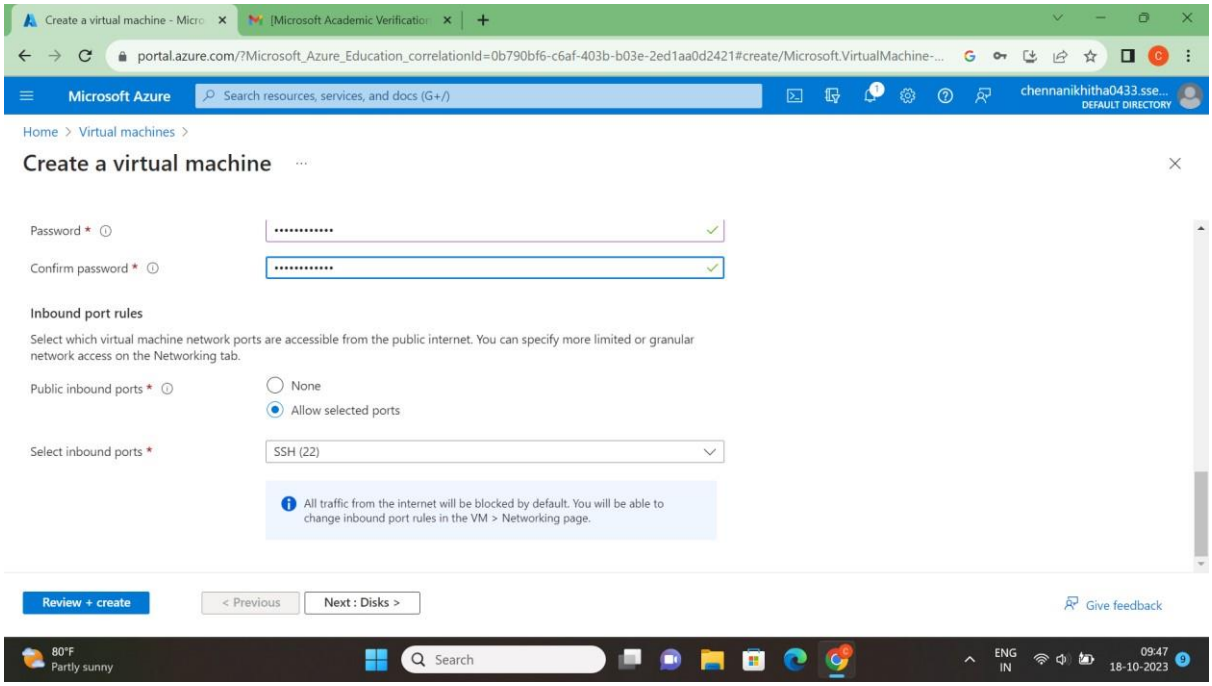


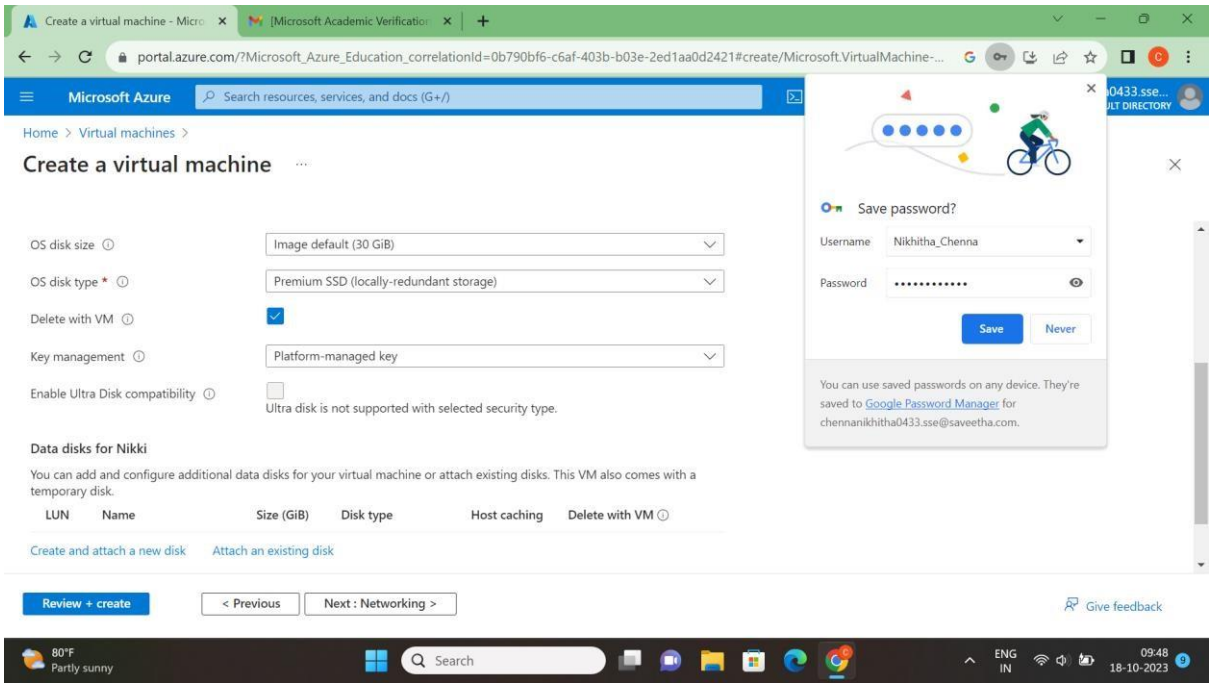

Virtual machines - Microsoft Az
[Microsoft Academic Verificatio
portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#view/HubsExtension/BrowseResource/r...
Microsoft Azure
Search resources, services, and docs (G+/)
chennanikhitha0433.sse...
DEFAULT DIRECTORY
Home
Virtual machines
Default Directory
Create
Switch to classic
Reservations
Manage view
Refresh
Export to CSV
Open query
Assign tags
Start
Restart
Stop
Azure virtual machine
Create a virtual machine hosted by Azure
Azure virtual machine with preset configuration
Create a virtual machine with presets based on your workloads
More VMs and related solutions
Discover and deploy full workloads and Azure products for your business needs
Type equals all
Resource group equals all
Location equals all
Add filter
No grouping
List view
Subscription
Resource group
Location
Status
Operating system
Size
No virtual machines to display
Create a virtual machine that runs Linux or Windows. Select an image from the marketplace or use your own customized image.
Create
Give feedback
Learn more about Windows virtual machines
80°F
Partly sunny
Search
ENG
IN
09:43
18-10-2023

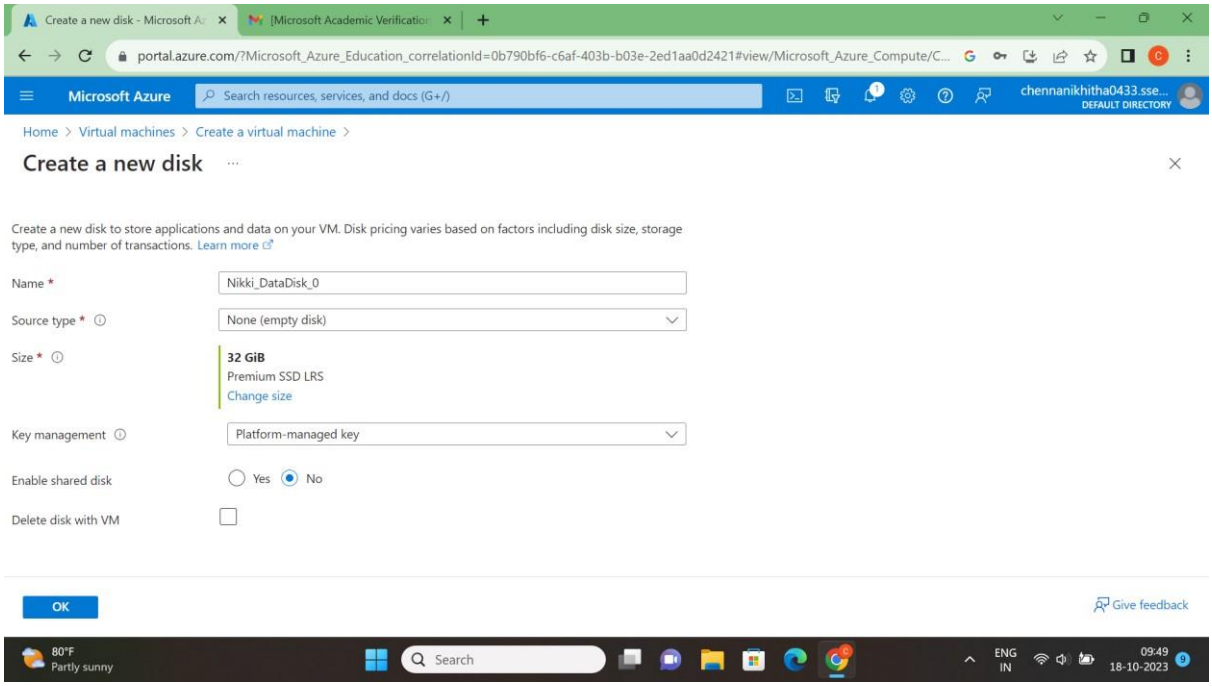

Create a virtual machine - Micro
[Microsoft Academic Verificatio
portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#create/Microsoft.VirtualMachine-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
chennanikhitha0433.sse...
DEFAULT DIRECTORY
Home
Virtual machines
Create a virtual machine
Basics
Disks
Networking
Management
Monitoring
Advanced
Tags
Review + create
Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. Learn more
This subscription may not be eligible to deploy VMs of certain sizes in certain regions.
Project details
Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.
Subscription *
Azure for Students
Resource group *
Nikhitha
Create new
Review + create
< Previous
Next : Disks >
Give feedback
80°F
Partly sunny
Search
ENG
IN
09:44
18-10-2023

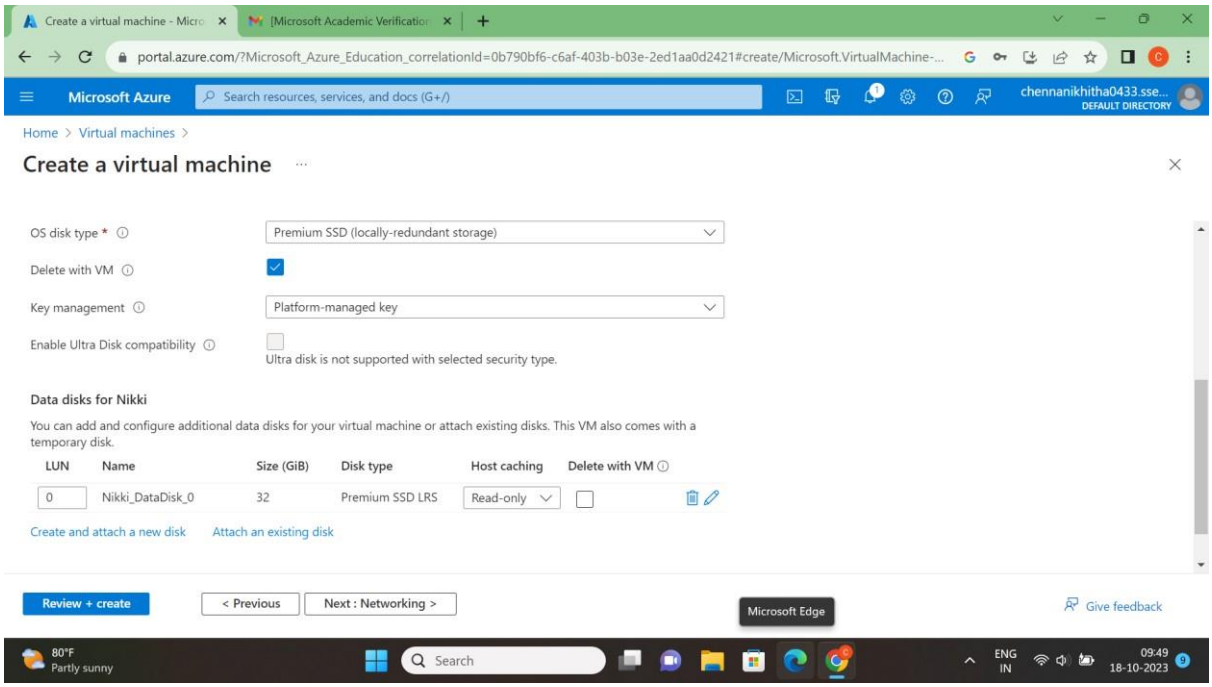

Create a virtual machine - Micro
[Microsoft Academic Verificatio
portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#create/Microsoft.VirtualMachine-ARM
Microsoft Azure
Search resources, services, and docs (G+/)
chennanikhitha0433.sse...
DEFAULT DIRECTORY
Home > Virtual machines >
Create a virtual machine
Instance details
Virtual machine name *
Nikki
Region *
(Asia Pacific) Central India
Availability options
Availability zone
Availability zone *
Zones 1
You can now select multiple zones. Selecting multiple zones will create one VM per zone. Learn more
Security type
Trusted launch virtual machines
Configure security features
Image *
Ubuntu Server 20.04 LTS - x64 Gen2
See all images | Configure VM generation
Review + create
< Previous
Next : Disks >
Give feedback
80°F
Partly sunny
Search
ENG
IN
09:45
18-10-2023

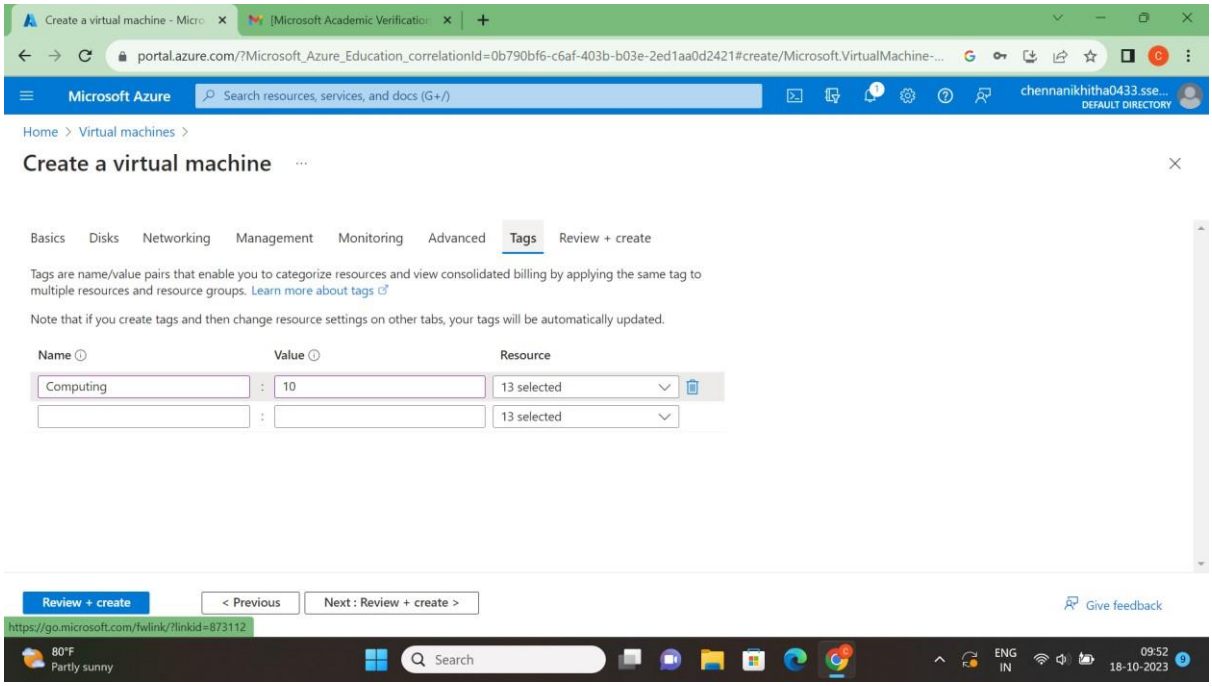

Create a virtual machine - Micro
[Microsoft Academic Verificatio
portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#create/Microsoft.VirtualMachine-...
Microsoft Azure
Search resources, services, and docs (G+/)
chennanikhitha0433.sse...
DEFAULT DIRECTORY
Home > Virtual machines >
Create a virtual machine
VM architecture
Arm64
x64
Run with Azure Spot discount
Size *
Standard_D2s_v3 - 2 vcpus, 8 GiB memory (₹6,019.67/month)
See all sizes
Administrator account
Authentication type
SSH public key
Password
Username *
Nikhitha_Chenna
Password *
Confirm password *
Review + create
< Previous
Next : Disks >
Give feedback
80°F
Partly sunny
Search
ENG
IN
09:47
18-10-2023

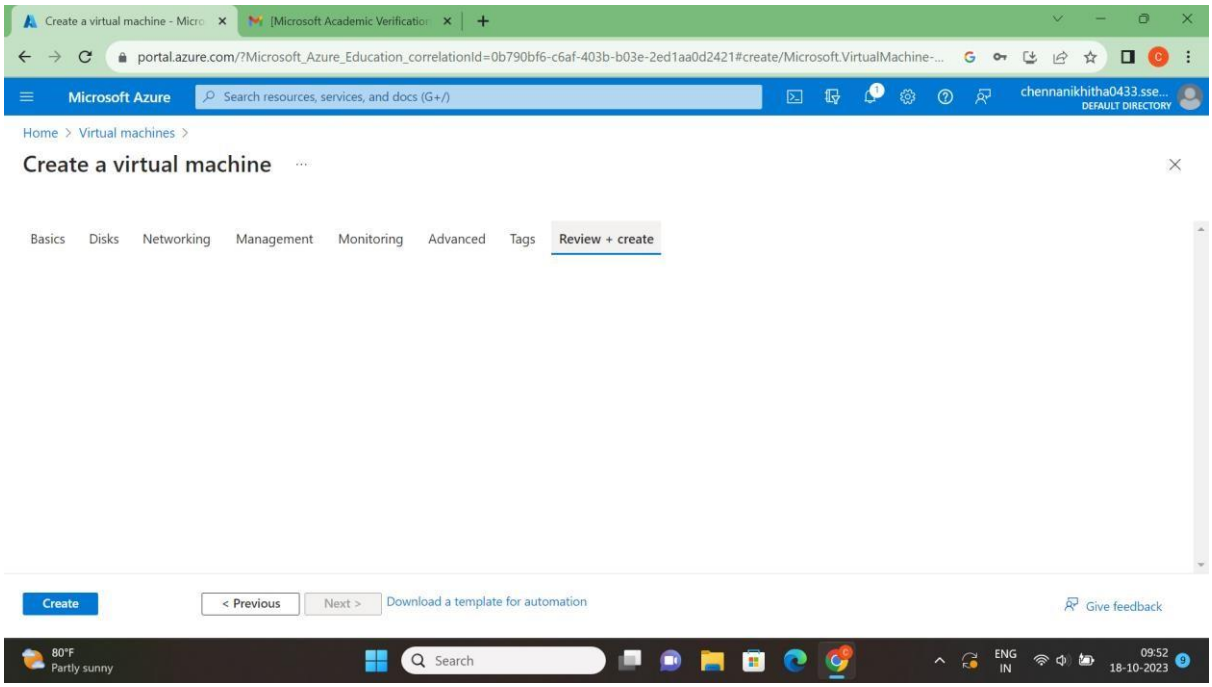

Create a virtual machine - Micro
[Microsoft Academic Verificatio
portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#create/Microsoft.VirtualMachine-...
Microsoft Azure
Search resources, services, and docs (G+/)
chennanikhitha0433.sse...
DEFAULT DIRECTORY
Home > Virtual machines >
Create a virtual machine
Password *
Confirm password *
Inbound port rules
Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.
Public inbound ports *
None
Allow selected ports
Select inbound ports *
SSH (22)
All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.
Review + create
< Previous
Next : Disks >
Give feedback
80°F
Partly sunny
Search
ENG
IN
09:47
18-10-2023

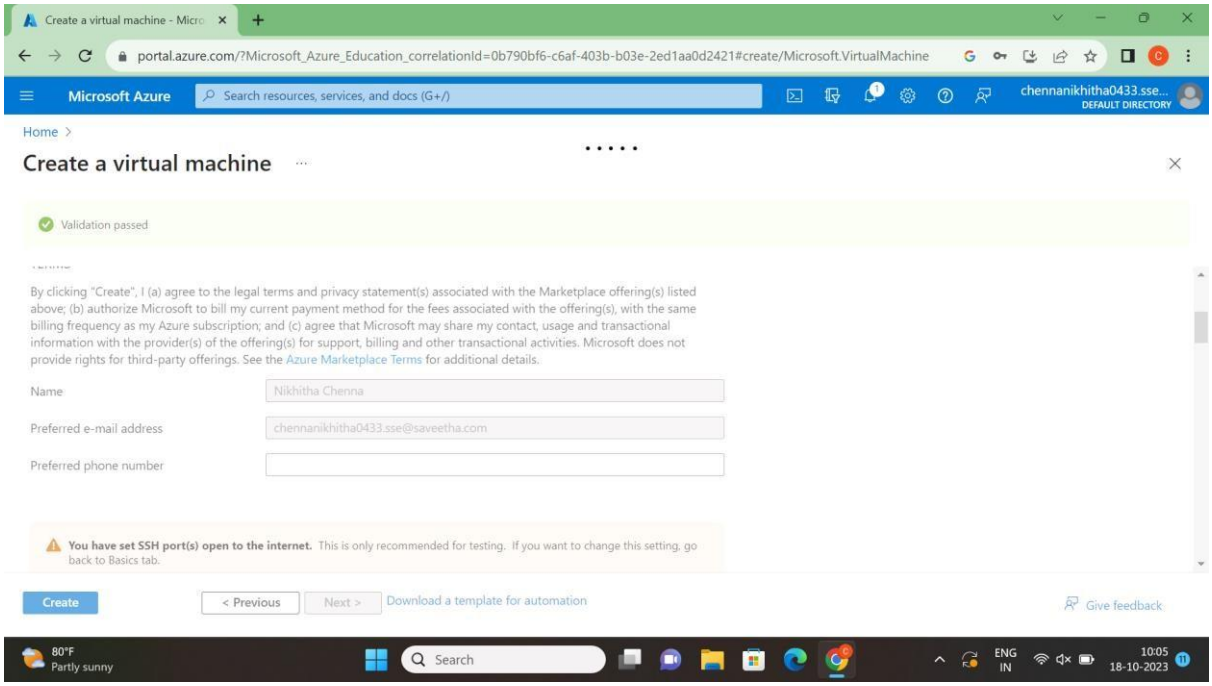

Create a virtual machine - Micro
[Microsoft Academic Verificatio
portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#create/Microsoft.VirtualMachine-...
Microsoft Azure
Search resources, services, and docs (G+/)
Home > Virtual machines >
Create a virtual machine
OS disk size
Image default (30 GiB)
OS disk type *
Premium SSD (locally-redundant storage)
Delete with VM
Key management
Platform-managed key
Enable Ultra Disk compatibility
Ultra disk is not supported with selected security type.
Data disks for Nikki
You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.
LUN
Name
Size (GiB)
Disk type
Host caching
Delete with VM
Create and attach a new disk
Attach an existing disk
Save password?
Username
Nikhitha_Chenna
Password
Save
Never
You can use saved passwords on any device. They're saved to Google Password Manager for chennanikhitha0433.sse@saveetha.com.
Review + create
< Previous
Next : Networking >
Give feedback
80°F
Partly sunny
Search
ENG
IN
09:48
18-10-2023

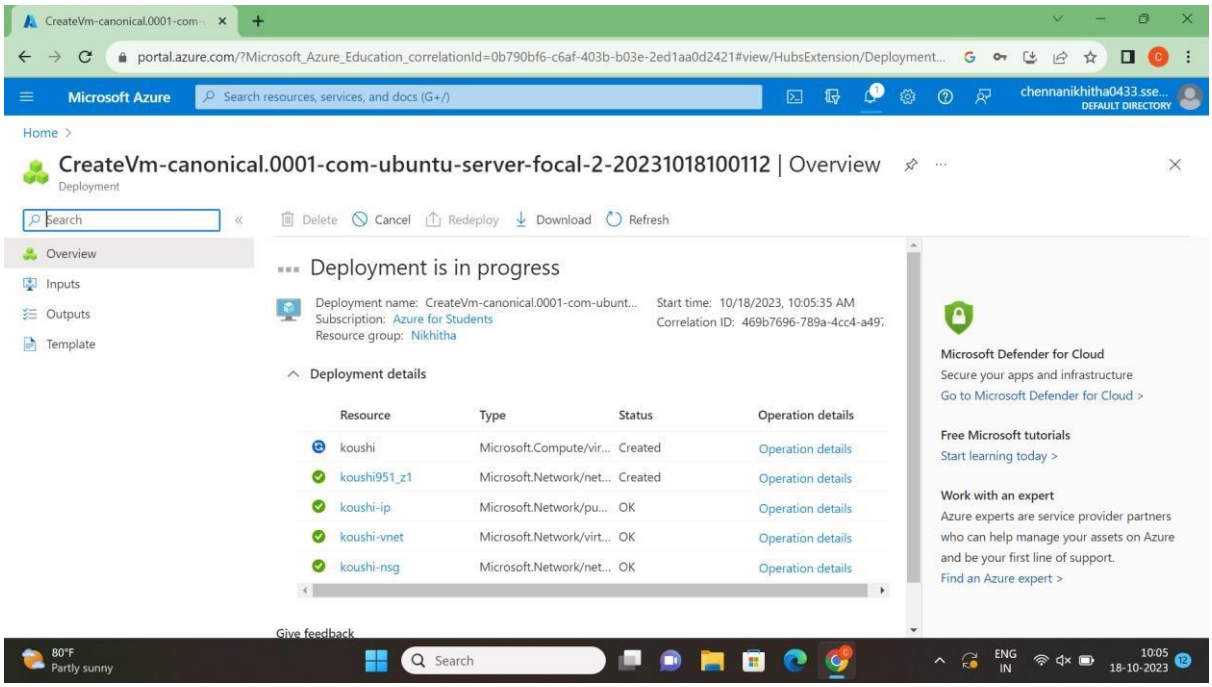

Create a new disk - Microsoft A
[Microsoft Academic Verificatio
portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#view/Microsoft_Azure_Compute/C...
Microsoft Azure
Search resources, services, and docs (G+/)
chennanikhitha0433.sse...
DEFAULT DIRECTORY
Home > Virtual machines > Create a virtual machine >
Create a new disk
Create a new disk to store applications and data on your VM. Disk pricing varies based on factors including disk size, storage type, and number of transactions. Learn more
Name *
Nikki_DataDisk_0
Source type *
None (empty disk)
Size *
32 GiB
Premium SSD LRS
Change size
Key management
Platform-managed key
Enable shared disk
Yes
No
Delete disk with VM
OK
Give feedback
80°F
Partly sunny
Search
ENG
IN
09:49
18-10-2023

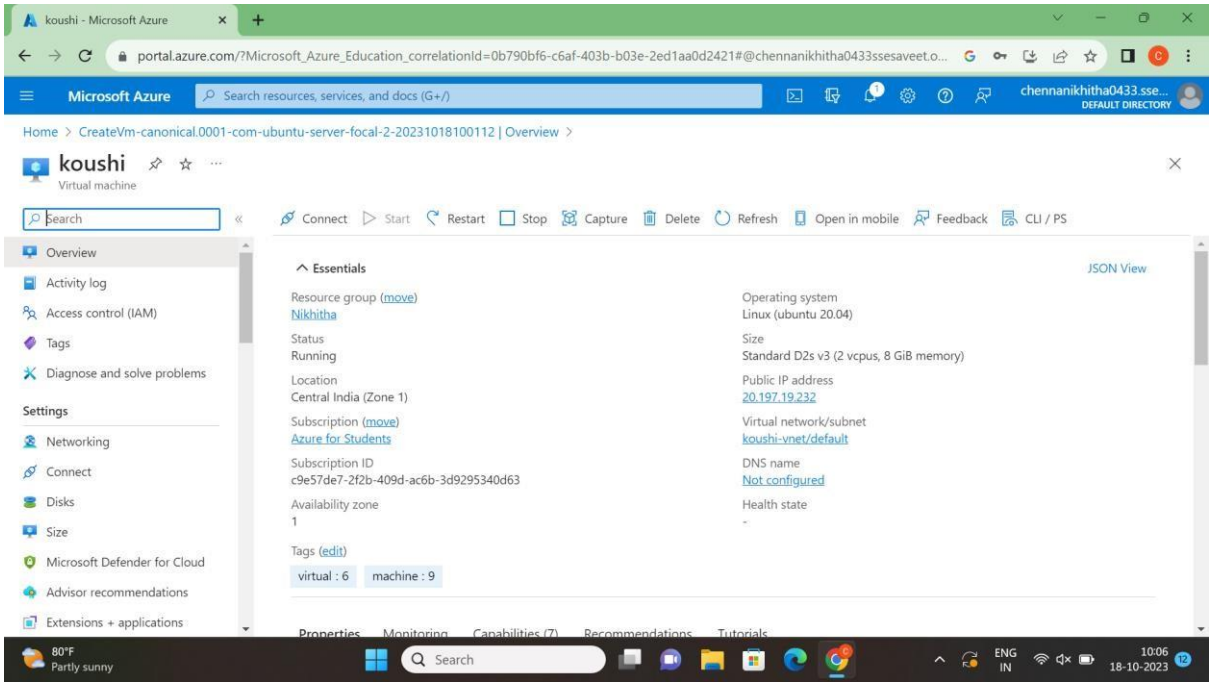

Create a virtual machine - Micro
[Microsoft Academic Verificatio
portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#create/Microsoft.VirtualMachine-...
Microsoft Azure
Search resources, services, and docs (G+/)
chennanikhitha0433.sse...
DEFAULT DIRECTORY
Home > Virtual machines >
Create a virtual machine
OS disk type *
Premium SSD (locally-redundant storage)
Delete with VM
Key management
Platform-managed key
Enable Ultra Disk compatibility
Ultra disk is not supported with selected security type.
Data disks for Nikki
You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.
LUN
Name
Size (GiB)
Disk type
Host caching
Delete with VM
0
Nikki_DataDisk_0
32
Premium SSD LRS
Read-only
Create and attach a new disk
Attach an existing disk
Review + create
< Previous
Next : Networking >
Microsoft Edge
Give feedback
80°F
Partly sunny
Search
ENG
IN
09:49
18-10-2023

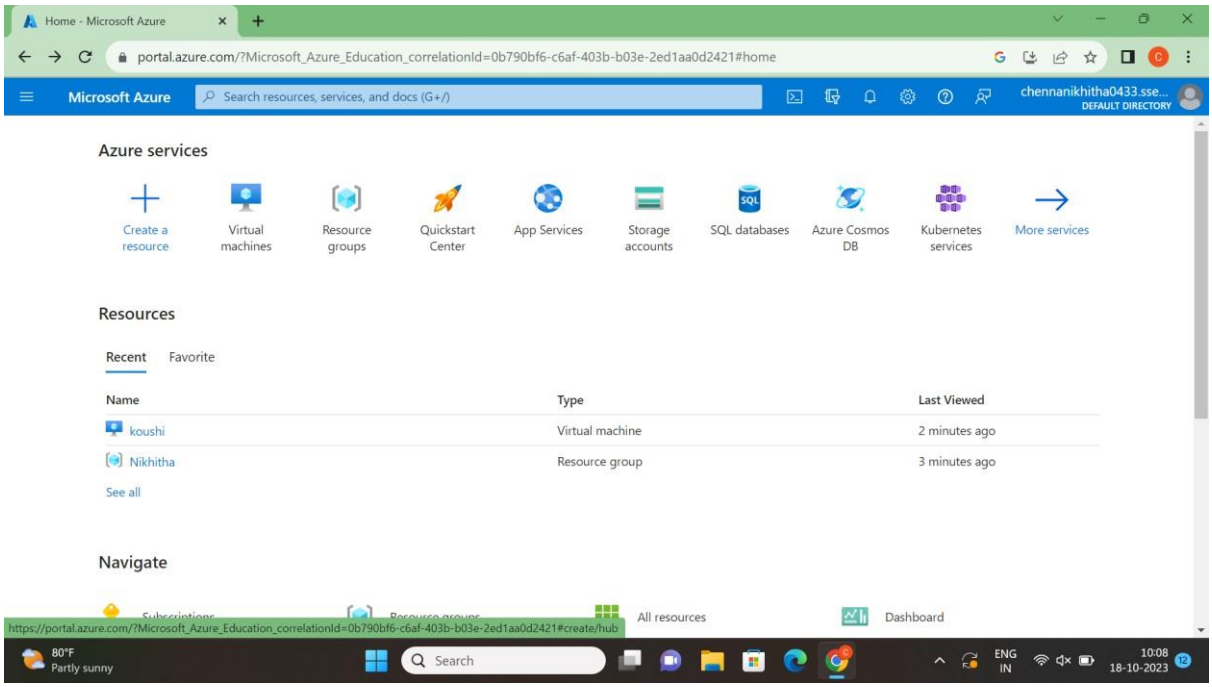

Create a virtual machine - Micro
[Microsoft Academic Verificatio
portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#create/Microsoft.VirtualMachine-...
Microsoft Azure
Search resources, services, and docs (G+/)
chennanikhitha0433.sse...
DEFAULT DIRECTORY
Home > Virtual machines >
Create a virtual machine
Basics Disks Networking Management Monitoring Advanced Tags Review + create
Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. Learn more about tags
Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.
Name
Value
Resource
Computing
10
13 selected
13 selected
Review + create
< Previous
Next : Review + create >
Give feedback
https://go.microsoft.com/fwlink/?linkid=873112
80°F
Partly sunny
Search
ENG
IN
09:52
18-10-2023


Create a virtual machine - Micro
[Microsoft Academic Verificatio
portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#create/Microsoft.VirtualMachine-...
Microsoft Azure
Search resources, services, and docs (G+/)
chennanikhitha0433.sse...
DEFAULT DIRECTORY
Home > Virtual machines >
Create a virtual machine
Basics Disks Networking Management Monitoring Advanced Tags Review + create
Create
< Previous
Next >
Download a template for automation
Give feedback
80°F
Partly sunny
Search
ENG
IN
09:52
18-10-2023


Create a virtual machine - Micro
portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#create/Microsoft.VirtualMachine
Microsoft Azure
Search resources, services, and docs (G+/)
chennanikhitha0433.sse...
DEFAULT DIRECTORY
Home
Create a virtual machine
Validation passed
By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the Azure Marketplace Terms for additional details.
Name
Nikhitha Chenna
Preferred e-mail address
chennanikhitha0433.sse@saveetha.com
Preferred phone number
You have set SSH port(s) open to the internet. This is only recommended for testing. If you want to change this setting, go back to Basics tab.
Create
< Previous
Next >
Download a template for automation
Give feedback
80°F
Partly sunny
Search
ENG
IN
10:05
18-10-2023


CreateVm-canonical.0001-com-
portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#view/HubsExtension/Deployment...
Microsoft Azure
Search resources, services, and docs (G+/)
chennanikhitha0433.sse...
DEFAULT DIRECTORY
Home
CreateVm-canonical.0001-com-ubuntu-server-focal-2-20231018100112 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete
Cancel
Redeploy
Download
Refresh
Deployment is in progress
Deployment name: CreateVm-canonical.0001-com-ubunt...
Subscription: Azure for Students
Resource group: Nikhitha
Start time: 10/18/2023, 10:05:35 AM
Correlation ID: 469b7696-789a-4cc4-a49;
Deployment details
Resource
Type
Status
Operation details
koushi
Microsoft.Compute/vir...
Created
Operation details
koushi951_z1
Microsoft.Network/net...
Created
Operation details
koushi-ip
Microsoft.Network/pu...
OK
Operation details
koushi-vnet
Microsoft.Network/virt...
OK
Operation details
koushi-nsg
Microsoft.Network/net...
OK
Operation details
Give feedback
Microsoft Defender for Cloud
Secure your apps and infrastructure
Go to Microsoft Defender for Cloud >
Free Microsoft tutorials
Start learning today >
Work with an expert
Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.
Find an Azure expert >
80°F
Partly sunny
Search
ENG
IN
10:05
18-10-2023


koushi - Microsoft Azure
portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#@chennanikhitha0433ssesaveet.o...
Microsoft Azure
Search resources, services, and docs (G+/)
chennanikhitha0433.sse...
DEFAULT DIRECTORY
Home > CreateVm-canonical.0001-com-ubuntu-server-focal-2-20231018100112 | Overview >
koushi
Virtual machine
Search
Connect
Start
Restart
Stop
Capture
Delete
Refresh
Open in mobile
Feedback
CLI / PS
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Networking
Connect
Disks
Size
Microsoft Defender for Cloud
Advisor recommendations
Extensions + applications
Essentials
JSON View
Resource group (move)
Nikhitha
Status
Running
Location
Central India (Zone 1)
Subscription (move)
Azure for Students
Subscription ID
c9e57de7-2f2b-409d-ac6b-3d9295340d63
Availability zone
1
Operating system
Linux (ubuntu 20.04)
Size
Standard D2s v3 (2 vcpus, 8 GiB memory)
Public IP address
20.197.19.232
Virtual network/subnet
koushi-vnet/default
DNS name
Not configured
Health state
-
Tags (edit)
virtual : 6
machine : 9
Properties
Monitoring
Capabilities (7)
Recommendations
Tutorials
80°F
Partly sunny
Search
ENG
IN
10:06
18-10-2023


Home - Microsoft Azure
portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#home
Microsoft Azure
Search resources, services, and docs (G+/)
chennanikhitha0433.sse...
DEFAULT DIRECTORY
Azure services
Create a resource
Virtual machines
Resource groups
Quickstart Center
App Services
Storage accounts
SQL databases
Azure Cosmos DB
Kubernetes services
More services
Resources
Recent
Favorite
Name
Type
Last Viewed
koushi
Virtual machine
2 minutes ago
Nikhitha
Resource group
3 minutes ago
See all
Navigate
All resources
Dashboard
https://portal.azure.com/?Microsoft_Azure_Education_correlationId=0b790bf6-c6af-403b-b03e-2ed1aa0d2421#create/hub
80°F
Partly sunny
Search
ENG
IN
10:08
18-10-2023