Experiment No. 10

Title: Implementing and Using Sample Cloud Services with Microsoft Azure

Objective:

To implement and utilize sample cloud services provided by Microsoft Azure, exploring functionalities and capabilities within the Azure cloud platform.

Tools used:

- Microsoft Azure Portal

Prerequisite:

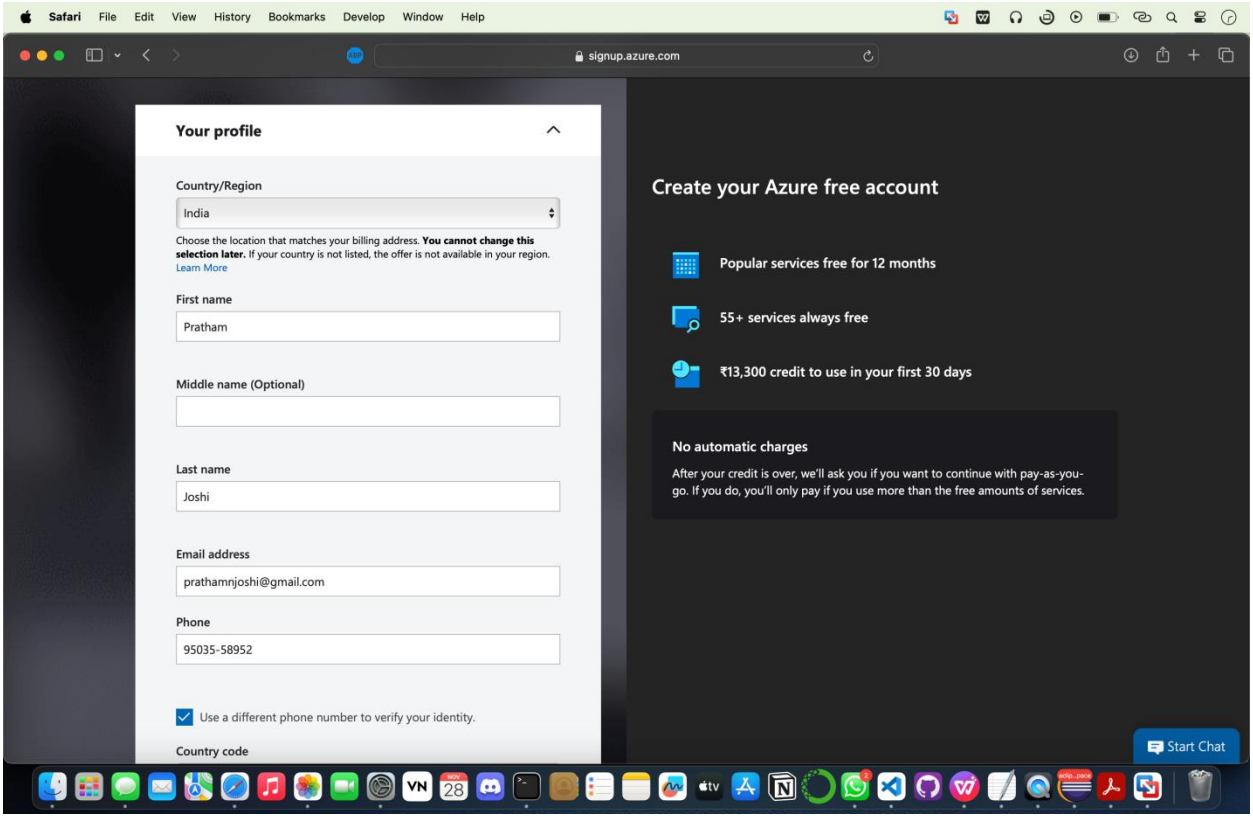
- An active Microsoft Azure account with necessary permissions and access

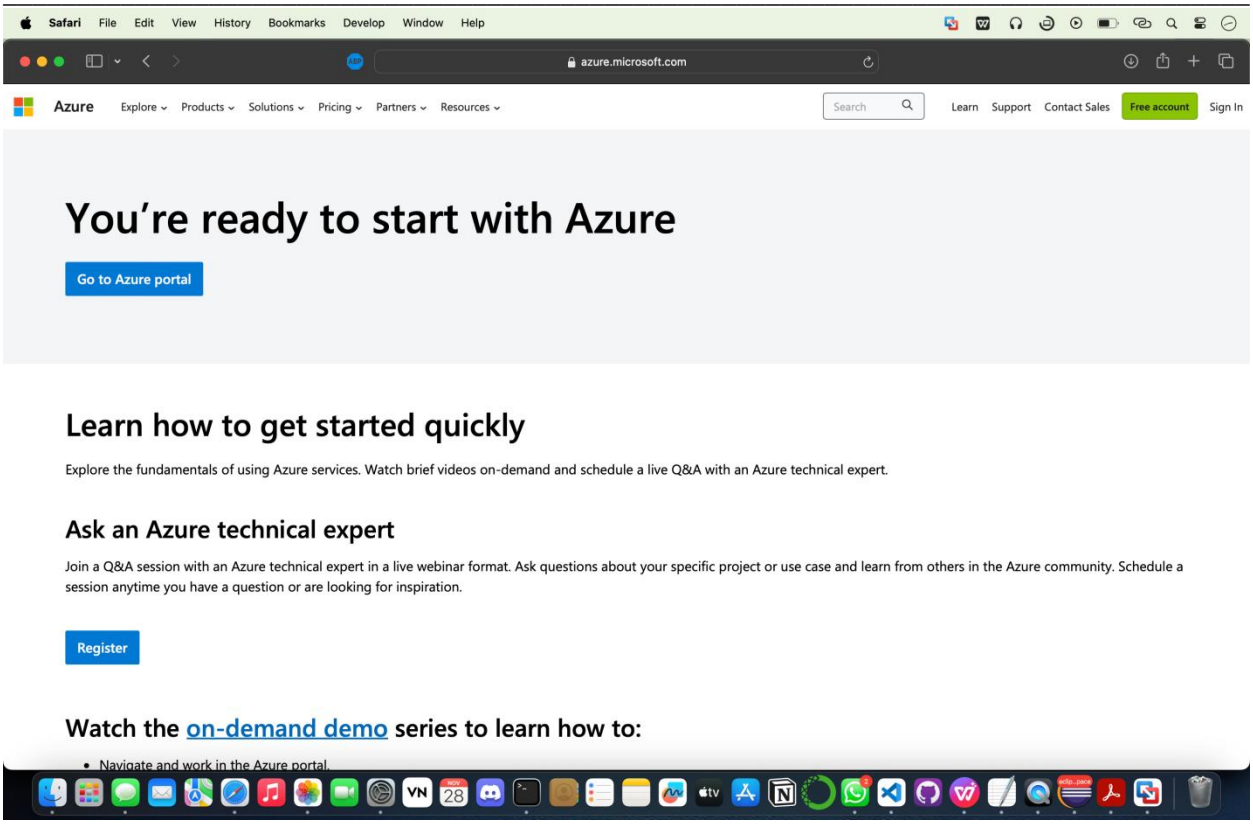
- Basic understanding of cloud computing concepts

Steps:

Step 1. Access Azure Portal

- Log in to the Azure Portal using your Azure account credentials
https://azure.microsoft.com/en-in





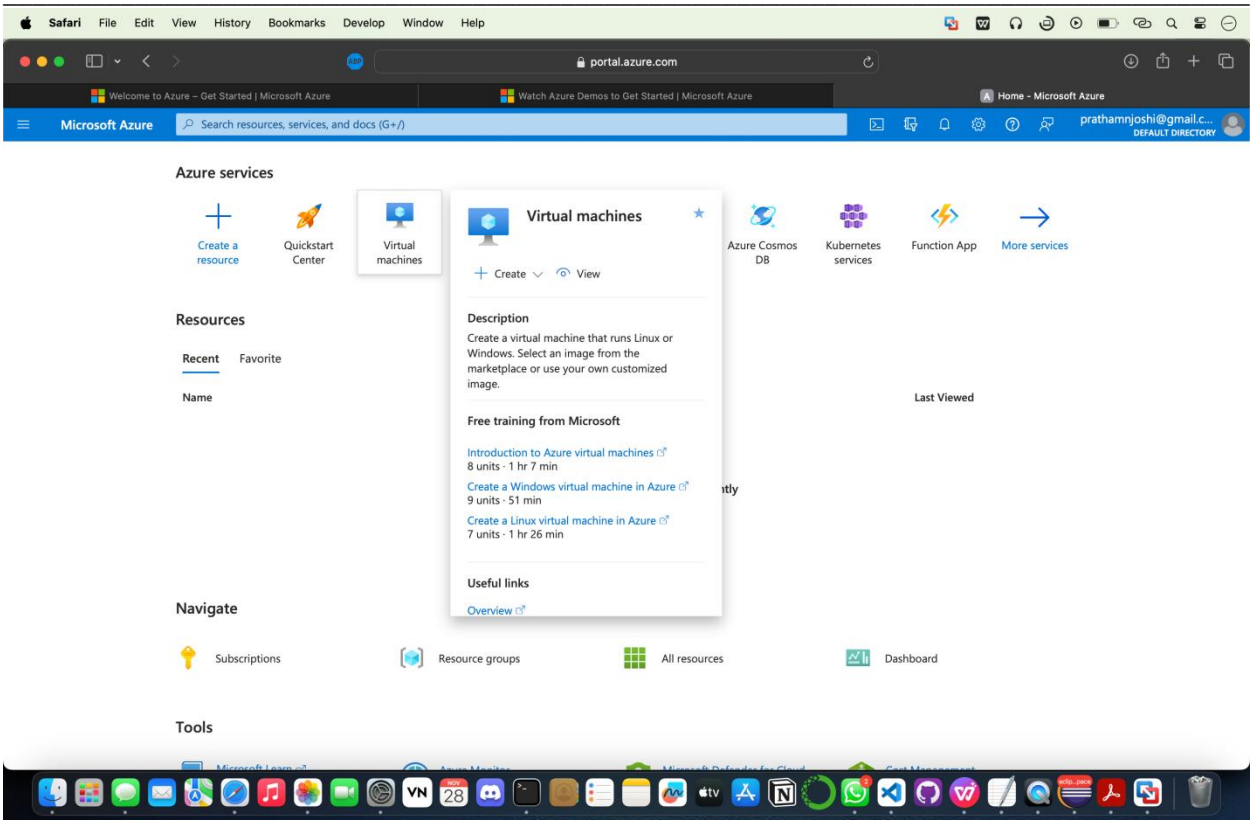
Step 2. Explore Azure Services

- Navigate through the Azure Portal to discover various services offered.

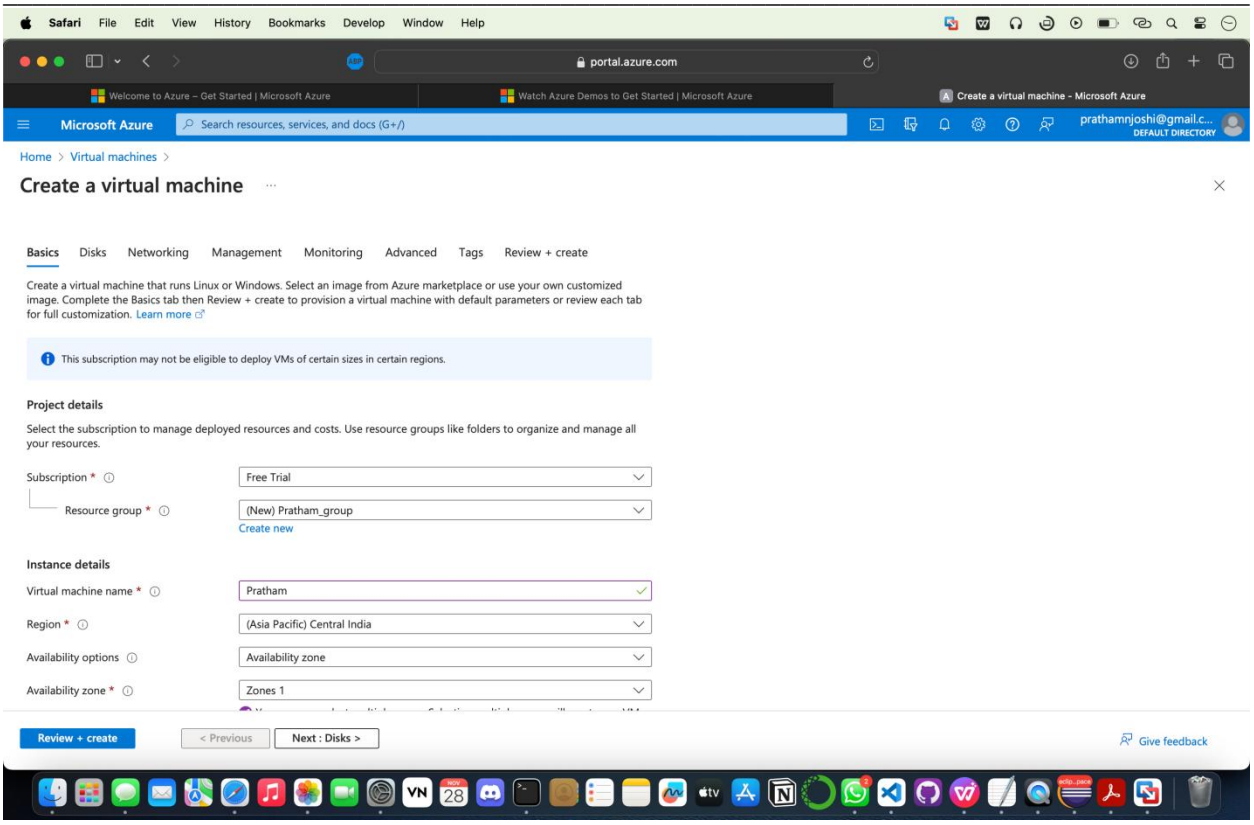
- Identify sample cloud services such as Azure Virtual Machines, Azure Storage, Azure App Services, etc.

Step 3. Create and Deploy Sample Service

- Choose a sample service (e.g., Azure Virtual Machine).



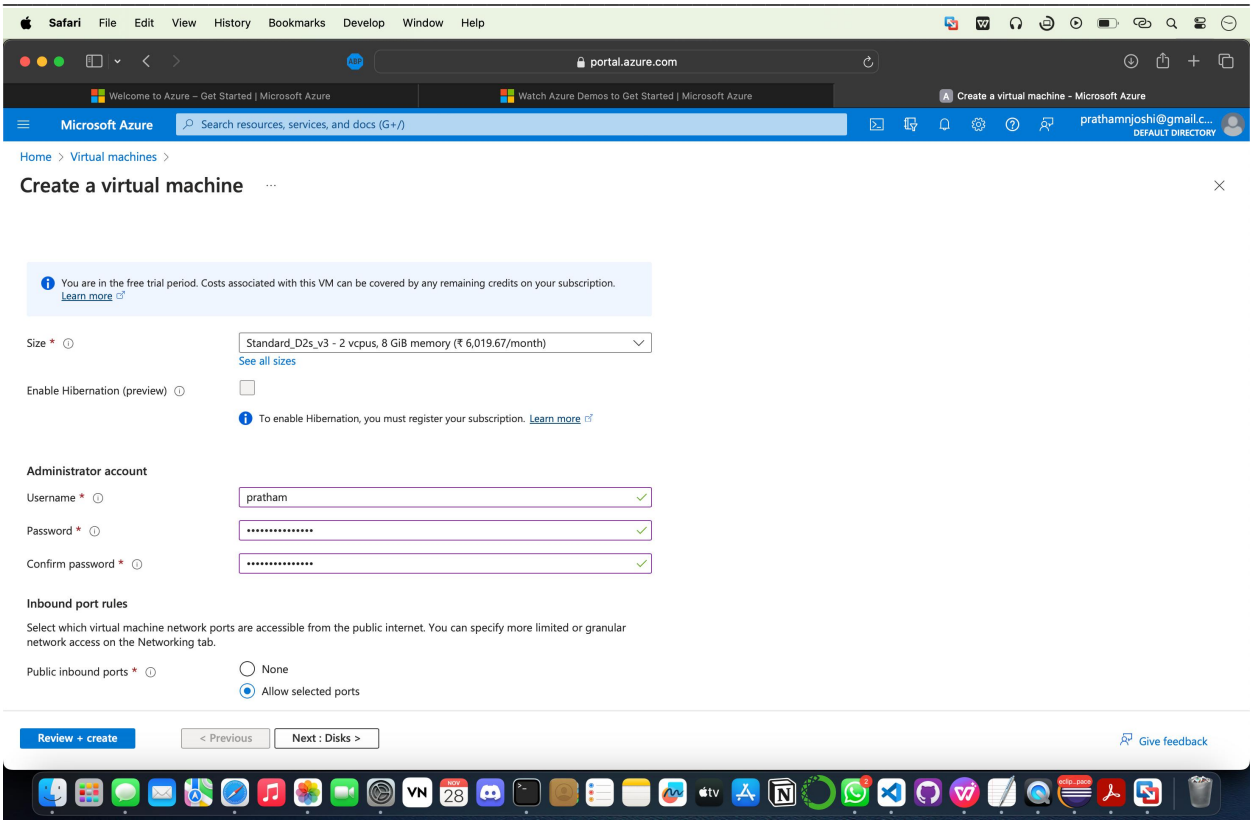
- Follow the Azure interface to create and deploy the selected service.



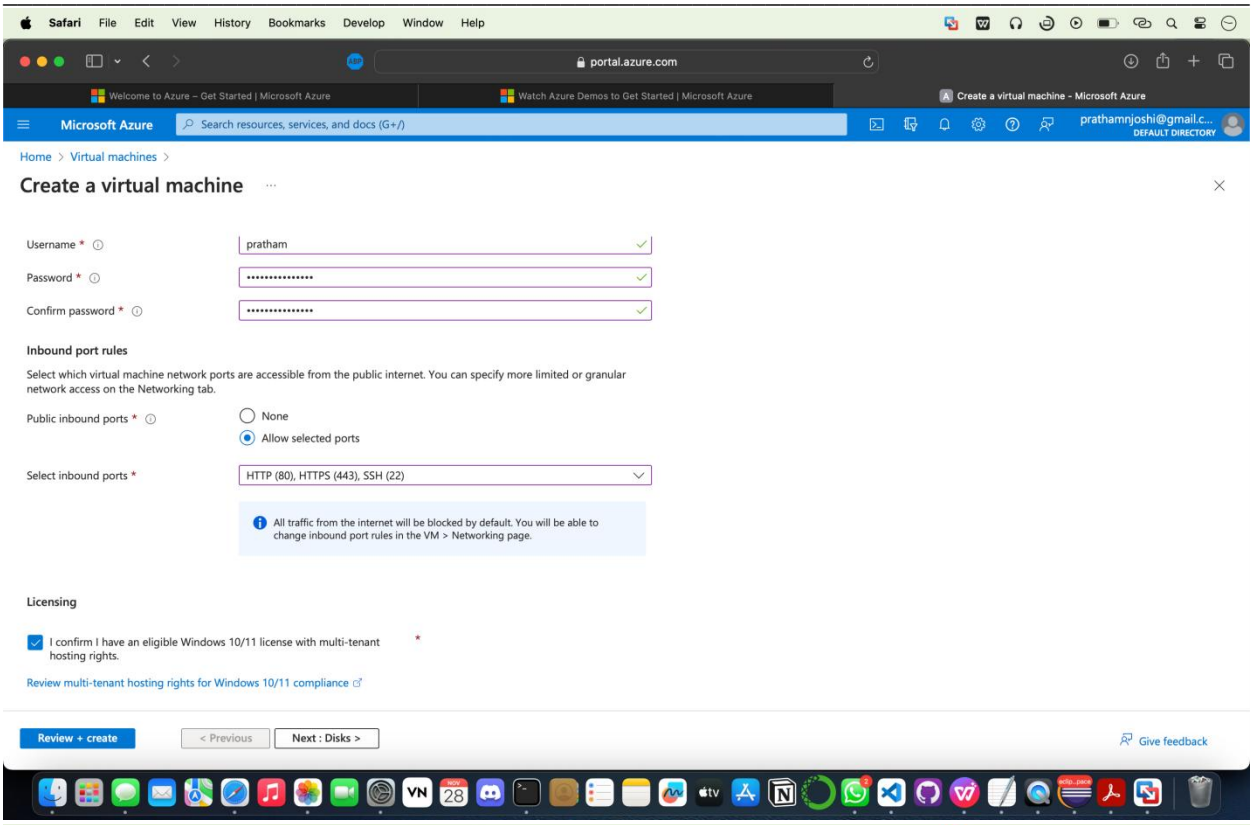
- Configure settings as required during the creation process.

Step 4. Utilize the Service

- Access and interact with the deployed service to understand its functionalities.



- Experiment with features like scalability, management, and monitoring provided by Azure.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DEFAULT DIRECTORY
Home > Virtual machines >
Create a virtual machine
Username * pratham
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 * HTTP (80), HTTPS (443), 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.
Licensing
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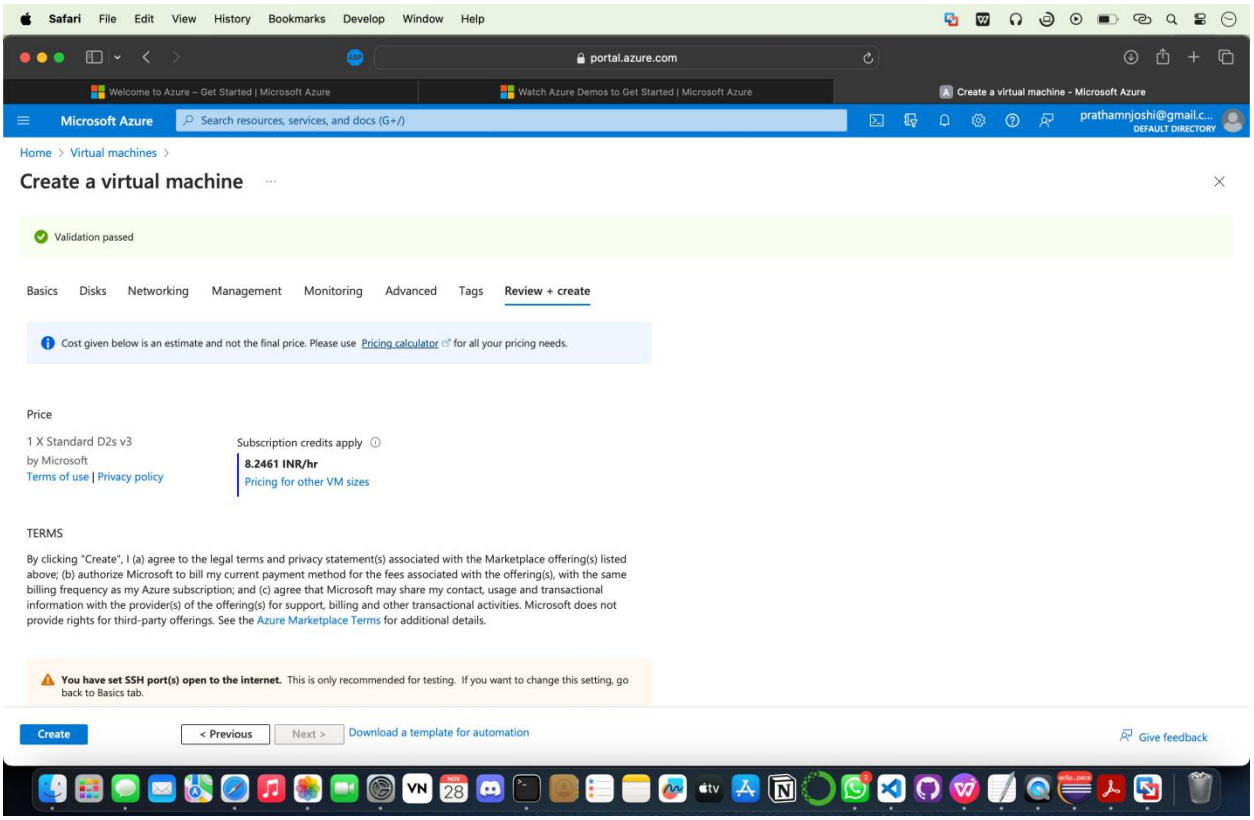
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You have set SSH port(s) open to the internet. This is only recommended for testing. If you want to change this setting, go back to Basics tab.
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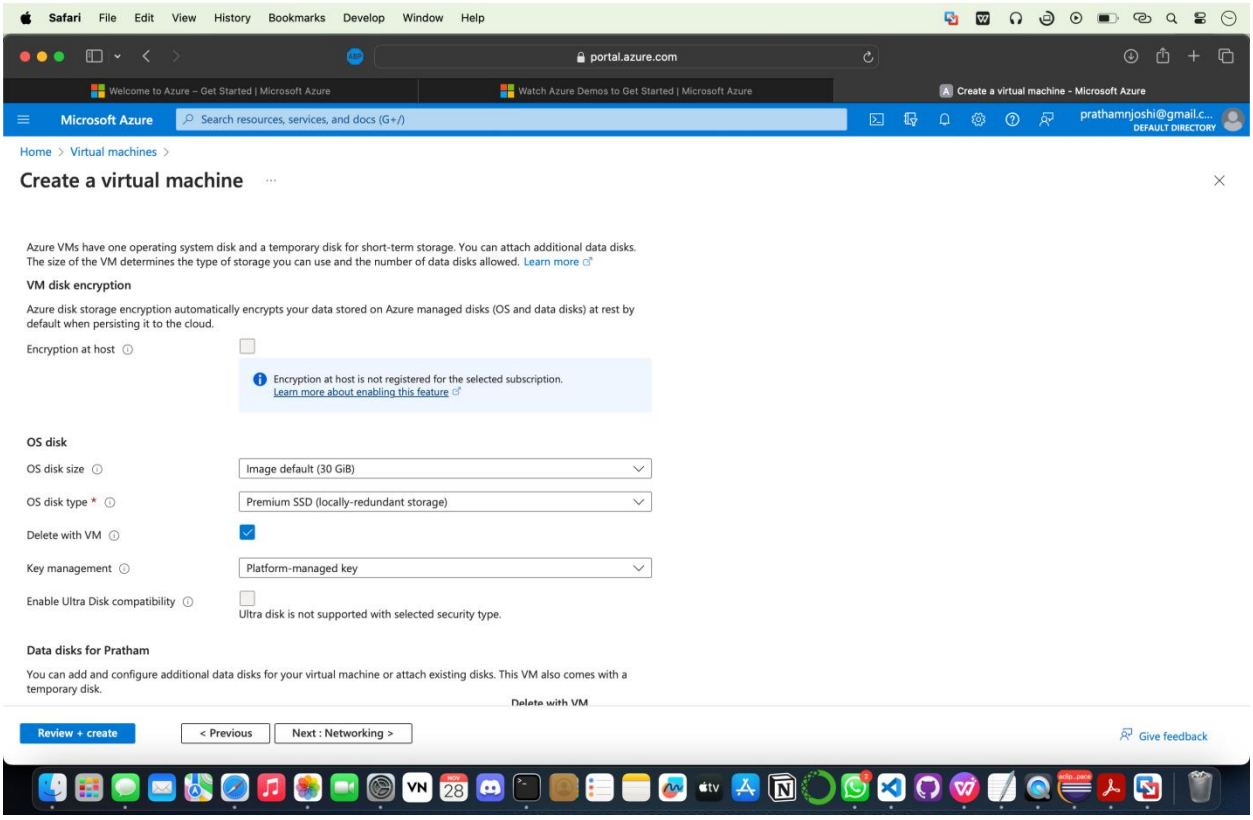
Step 5. Explore Integration

- Investigate how different Azure services can be integrated to create comprehensive cloud solutions.



- Understand how Azure resources can interact with each other within the Azure environment.

Step 6. Experiment and Learn

- Experimented with other sample services available in Azure to gain familiarity with the diverse capabilities of the platform.

Conclusion:

Successfully implemented and utilized sample cloud services within Microsoft Azure, gaining insights into the functionalities and capabilities offered by the Azure cloud platform.