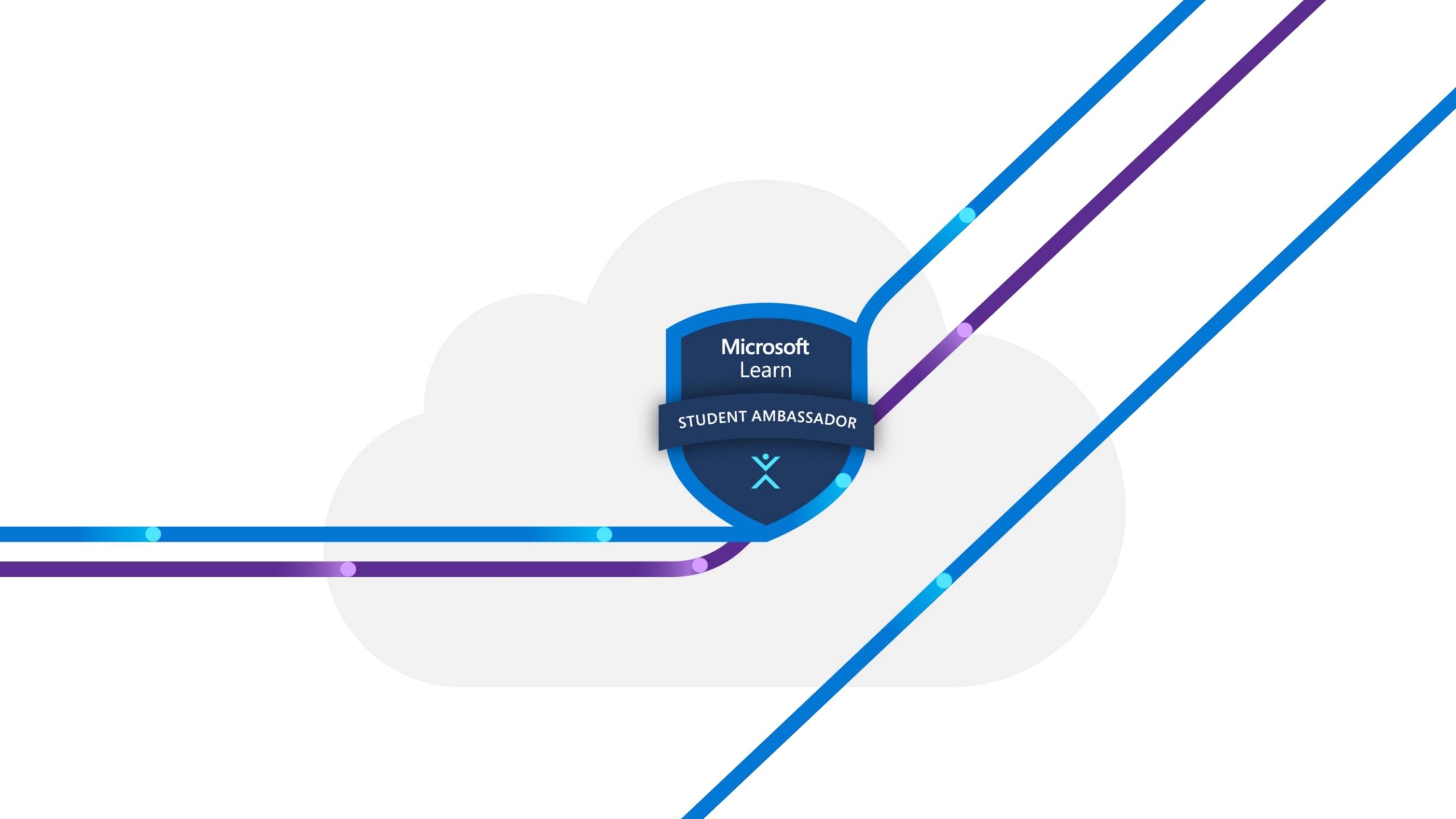
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CloudVerse

Road to Azure and Virtualization

Getting Started with Virtual Machines

Event Speaker: Md. Asifuzzaman

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Speaker Introduction

Md. Asifuzzaman

Beta Student Ambassador

Bangladesh University of Professionals

Interests

- Computer Networking
- Network Security
- Cloud Computing
- Internet of Things
- IT Infrastructure
- Operations Management
- Organizational Leadership

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Topics to be discussed

- Virtual machine and its benefits
- VM creation using Azure Portal
- Remote access to virtual machines
- Hosting web server on a virtual machine

Recommended Microsoft Learn Paths

- Introduction to Azure virtual machines
  - https://docs.microsoft.com/en-us/learn/modules/intro-to-azure-virtual-machines
- Create a Windows virtual machine in Azure
  - https://docs.microsoft.com/en-us/learn/modules/create-windows-virtual-machine-in-azure

Virtual machine and its benefits

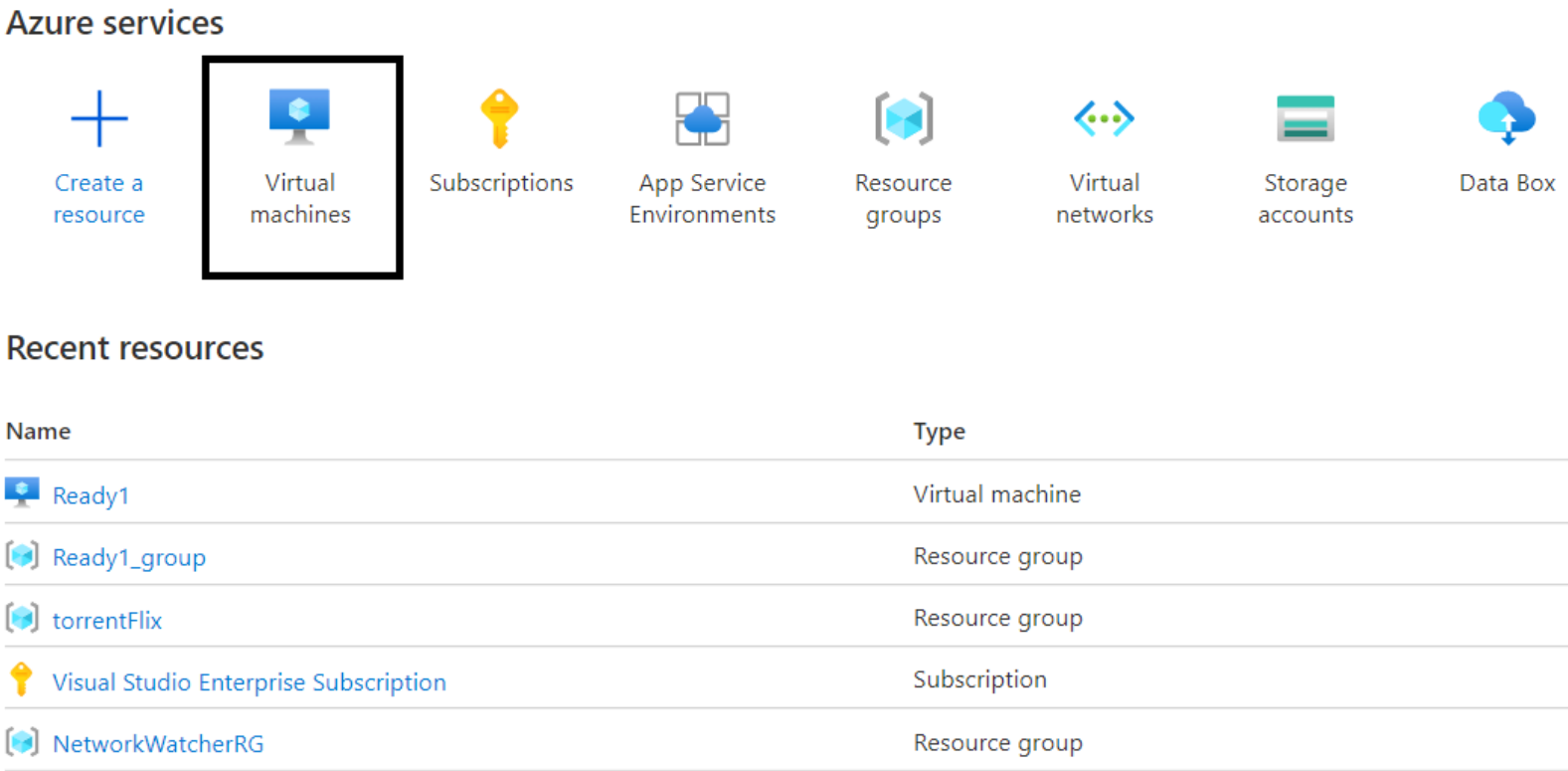
Azure VMs are one of several types of on-demand, scalable computing resources that Azure offers.

With VMs, you have total control over the configuration and can install anything you need to perform the work. You don't need to purchase physical hardware when you need to scale or extend your datacenter.

Finally, Azure provides additional services to monitor, secure, and manage updates and patches to the OS.

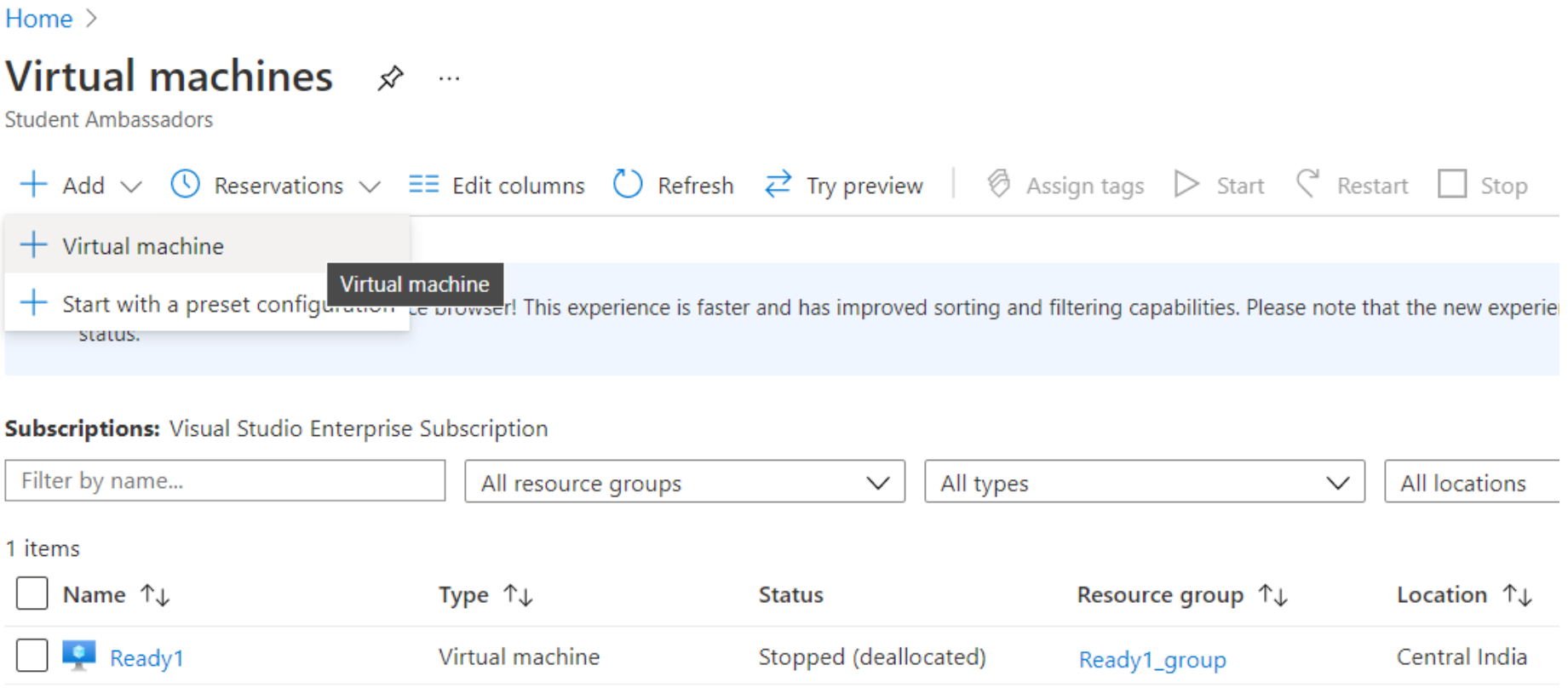
VM creation using Azure Portal

1. Sign into the Azure portal using your Azure for students account
2. Select Virtual machines in the top-left corner of the portal page



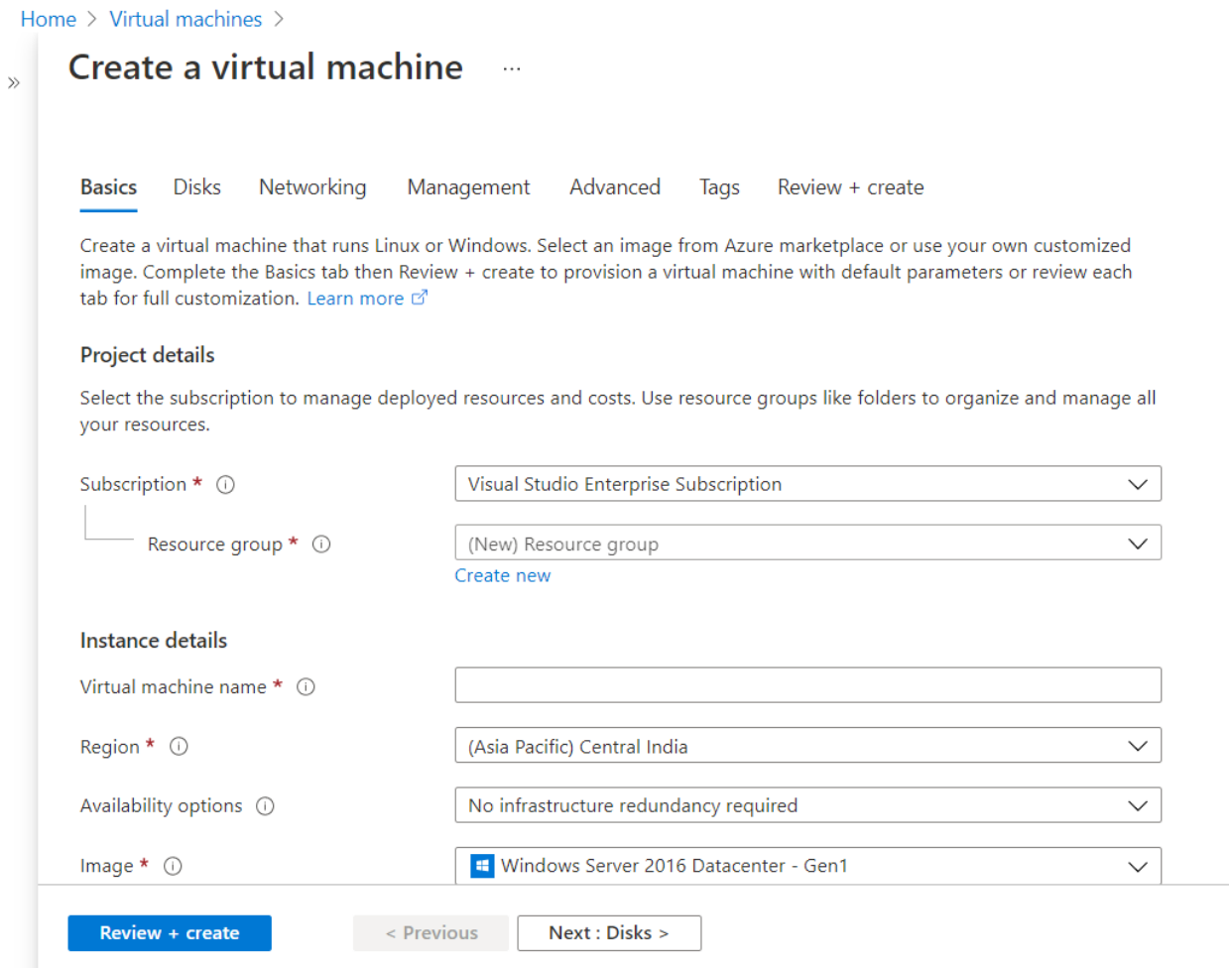
VM creation using Azure Portal

3. Click on +Add
4. Select +Virtual machine



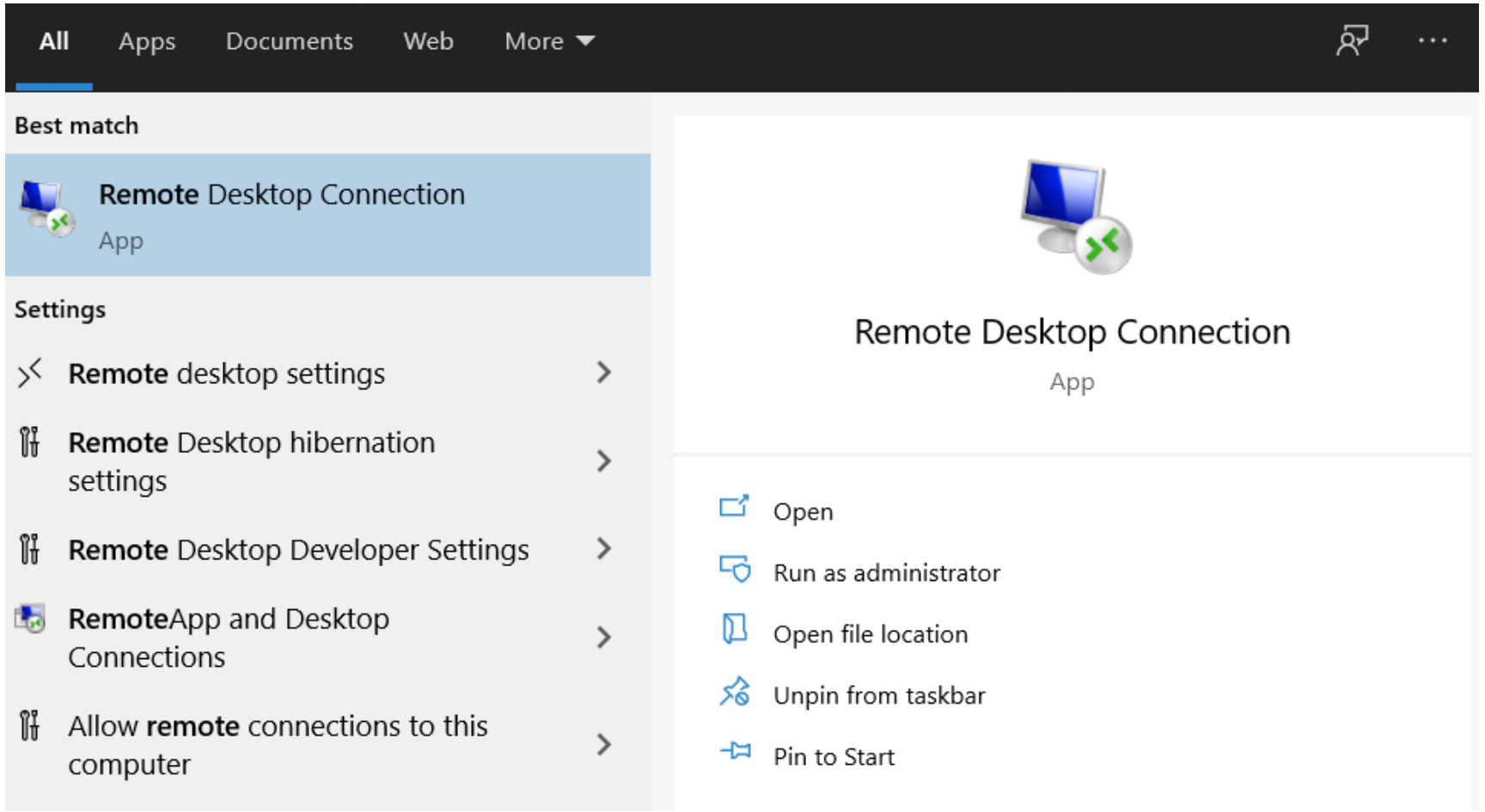
VM creation using Azure Portal

5. Configure according to need



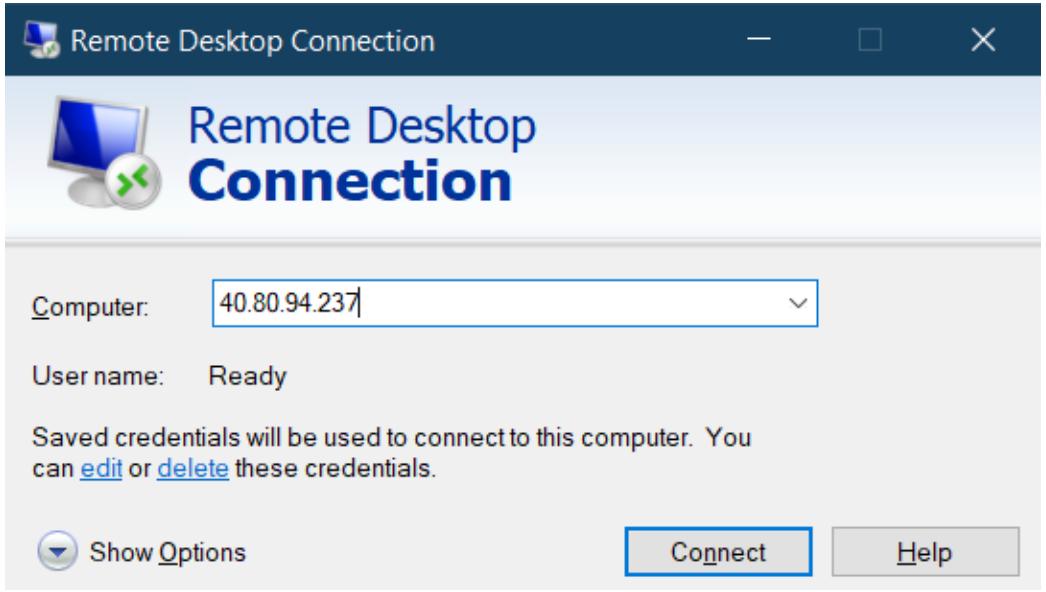
Remote access to virtual machines

1. Search for “Remote Desktop Connection”



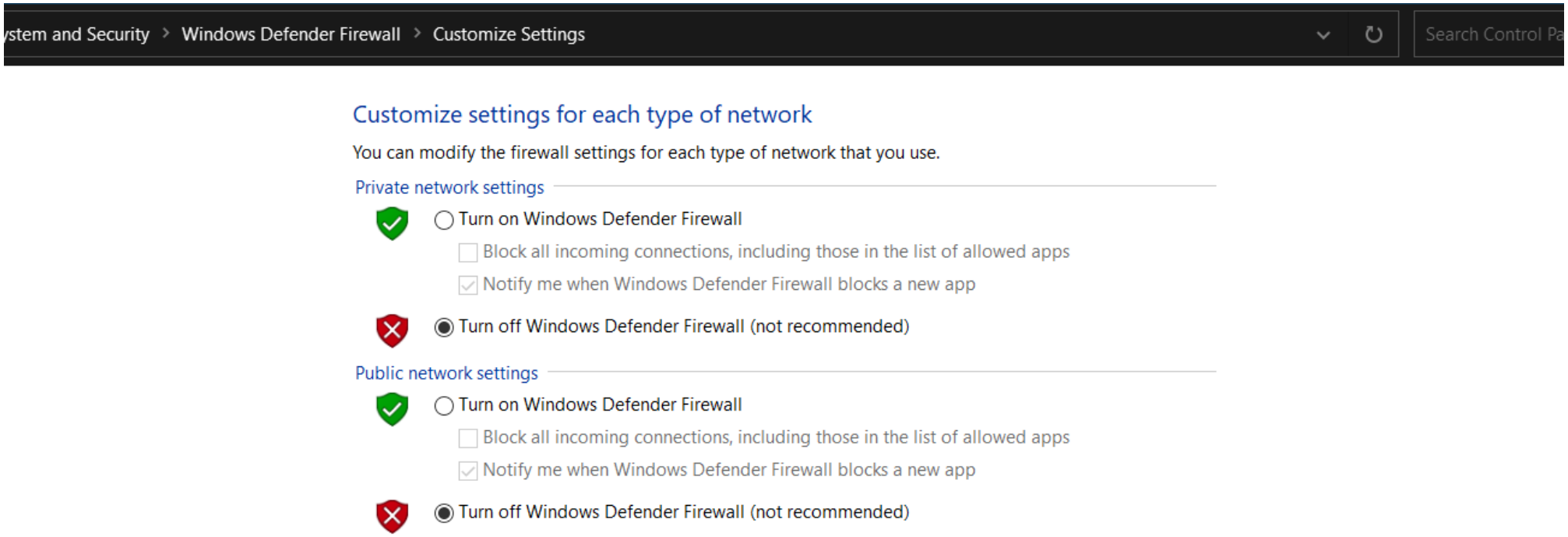
Remote access to virtual machines

2. Insert IP Address of VM
3. Provide Username and Password for your VM
4. Ignore any warnings



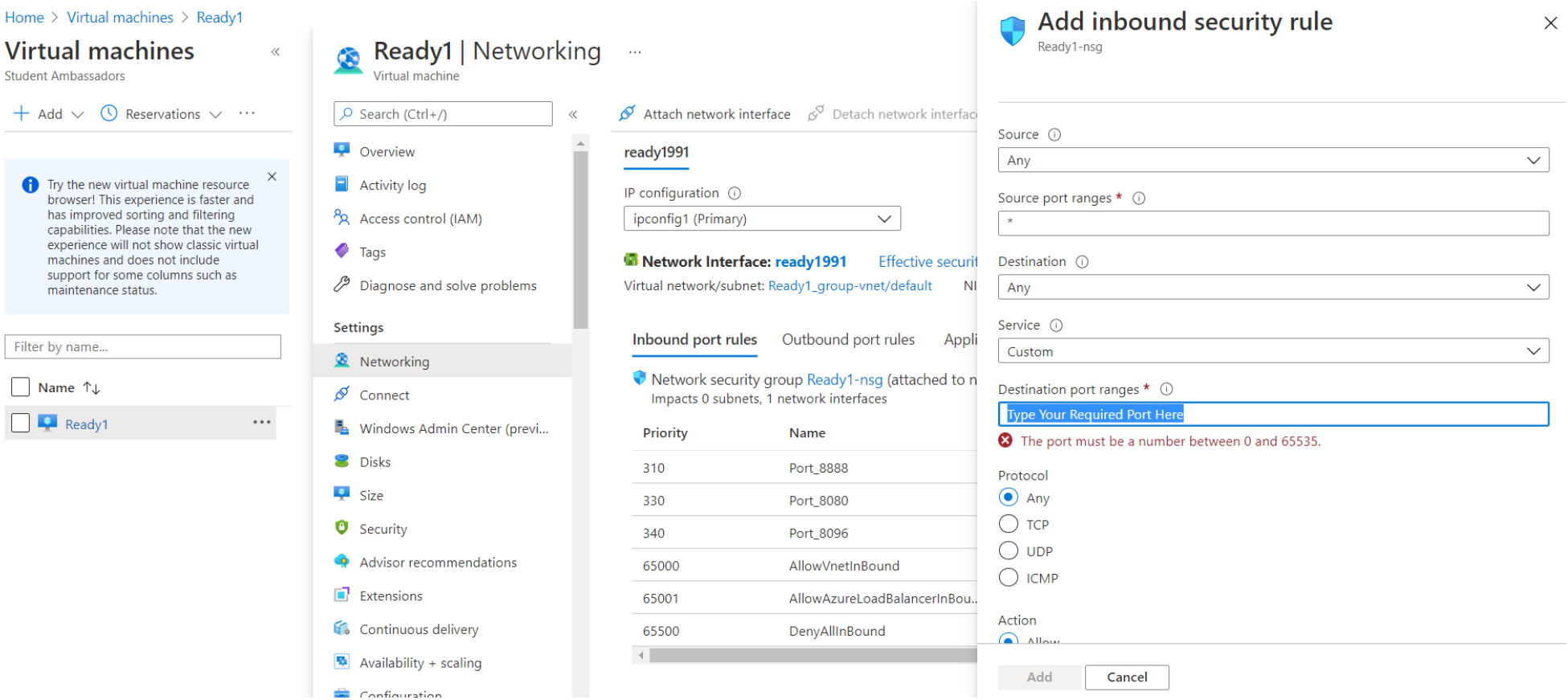
Hosting web server on a virtual machine

- Disable Windows Firewall



Hosting web server on a virtual machine

- Open destination port from “Networking” settings of your VM



Hosting web server on a virtual machine

- Select and open preferred application
- Configure network configuration
- Test for usage
- Troubleshoot (if required)

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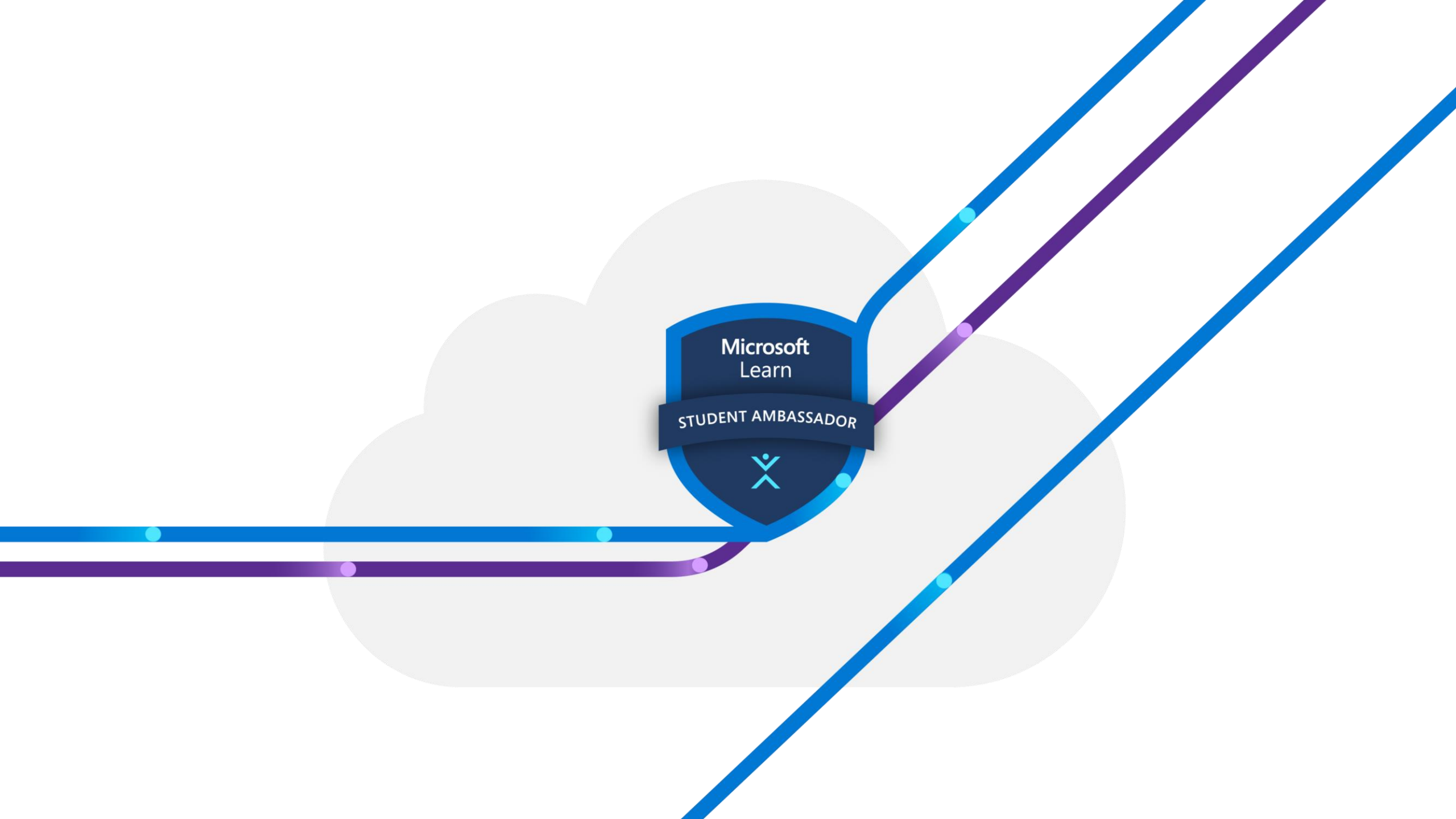
Thank you all :'D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