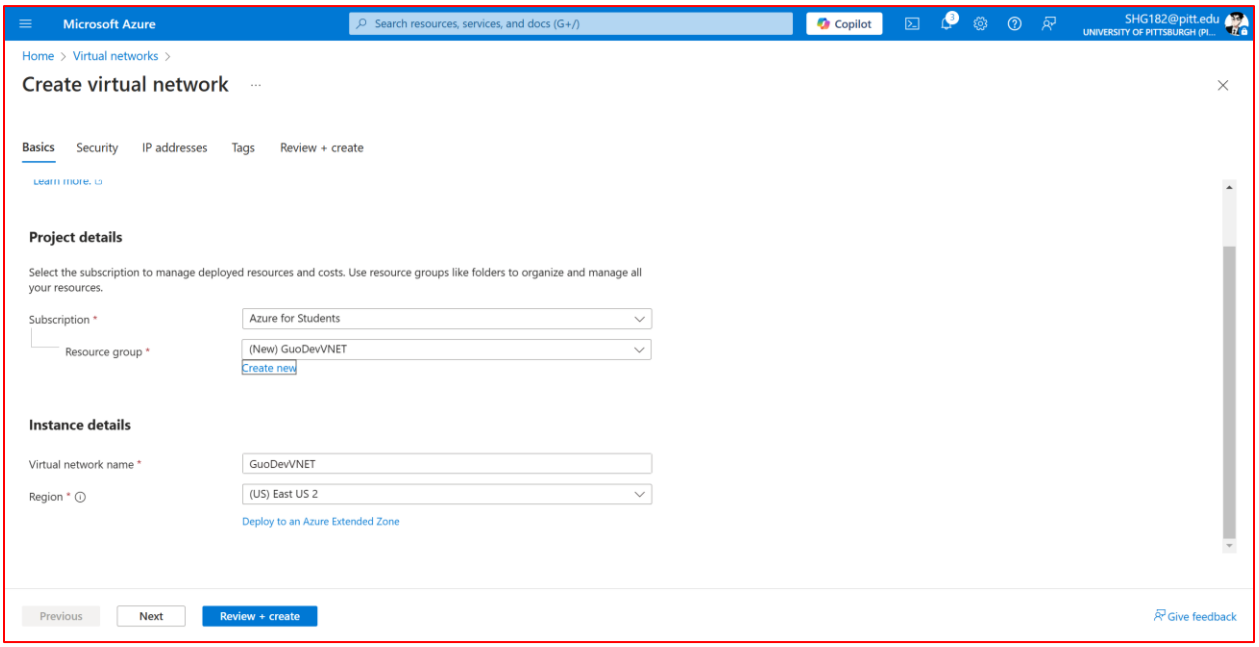
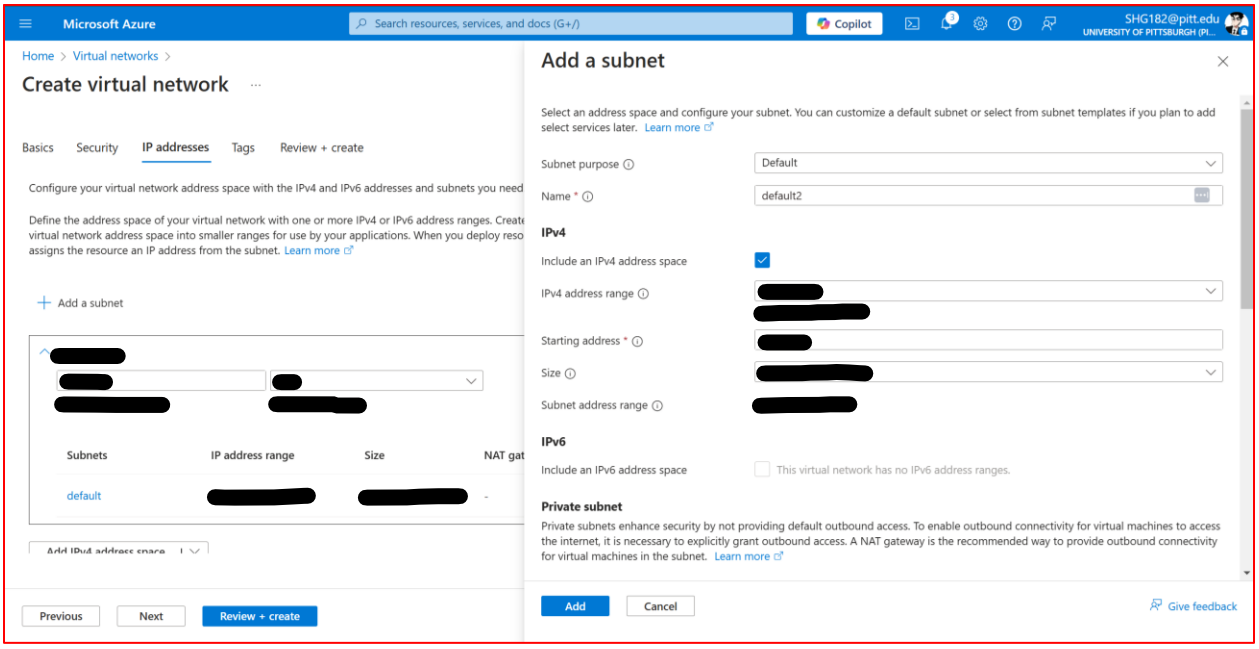
Create a VNet

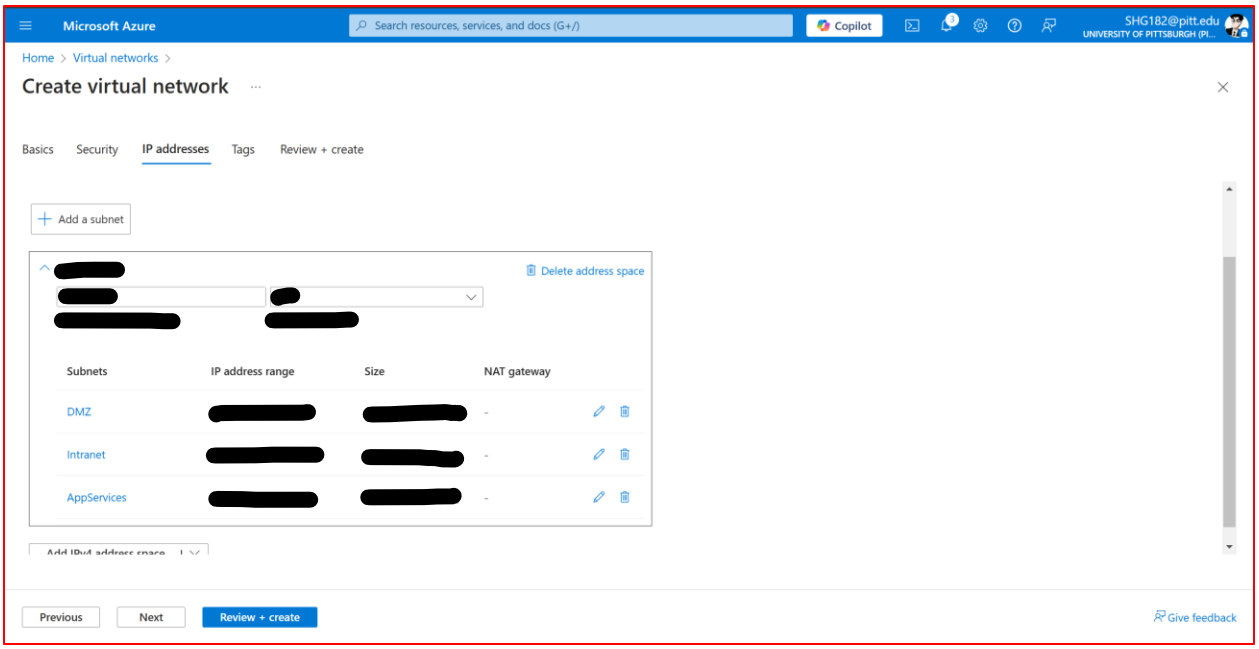
Creating a virtual network and resource group...



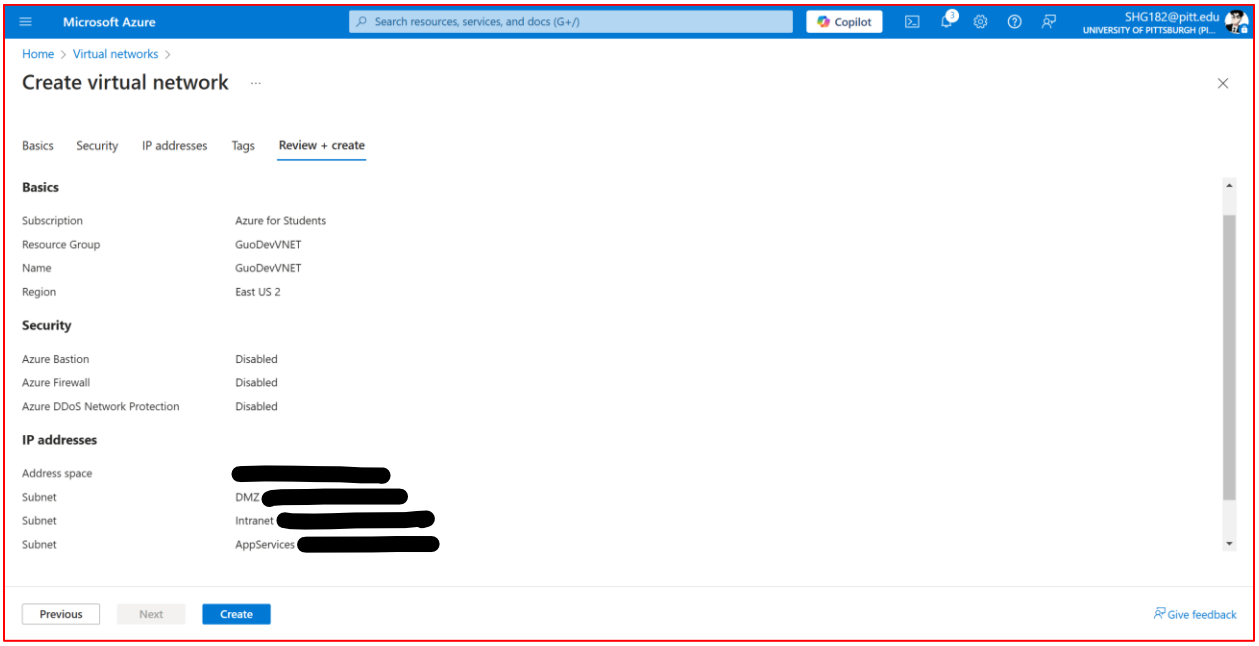
Adding subnets...



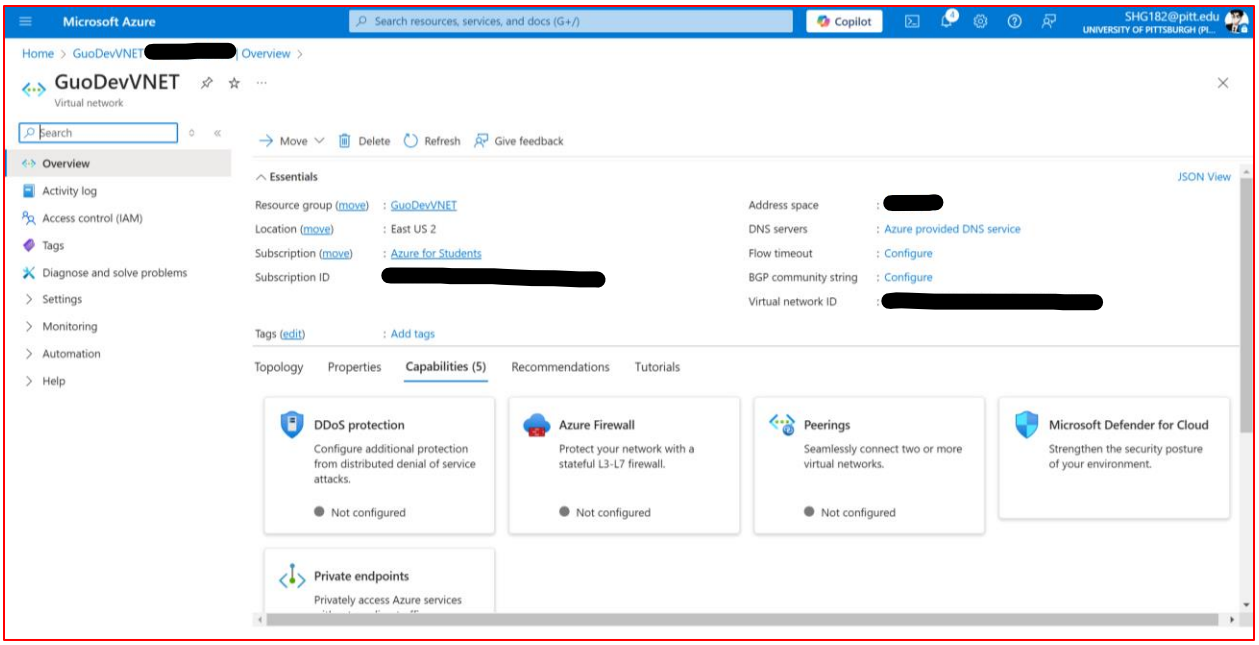
Subnets added...



Creating a virtual network...

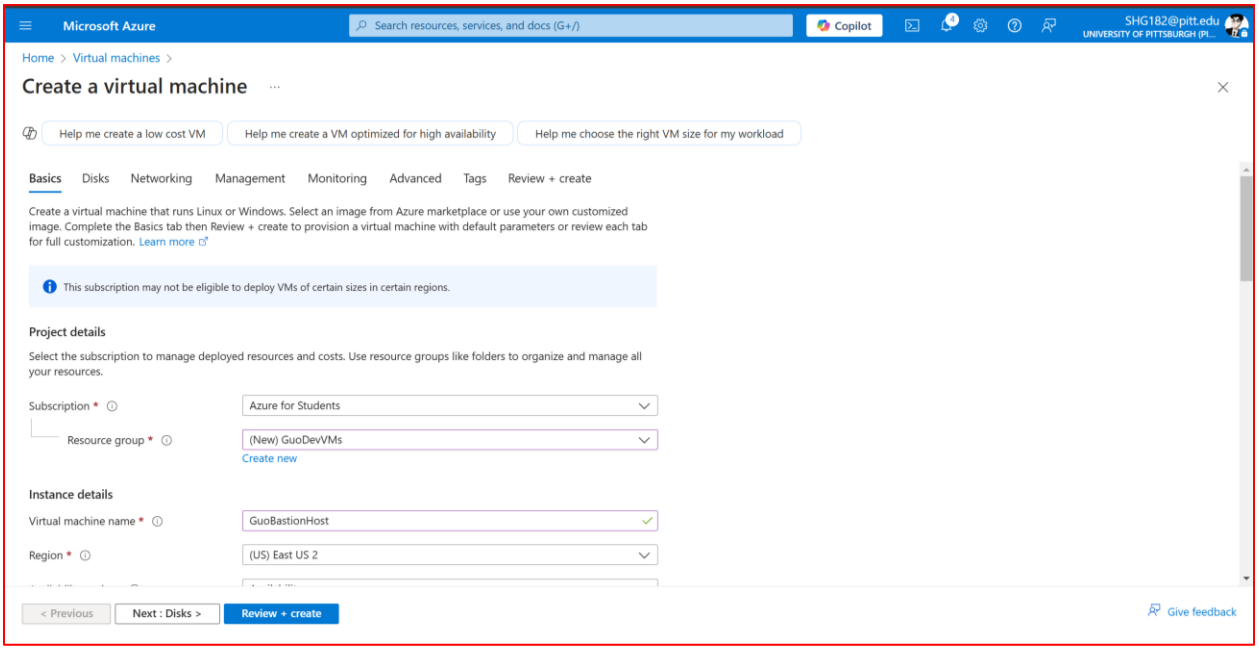


Virtual network created...

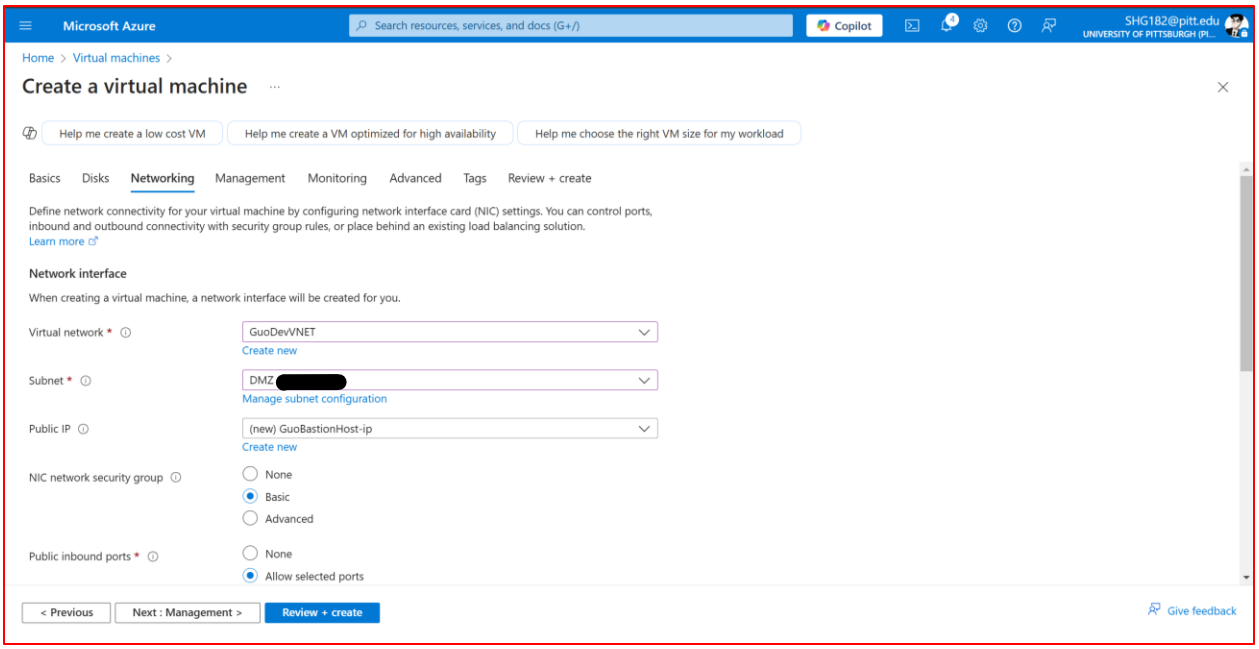


Create a VM

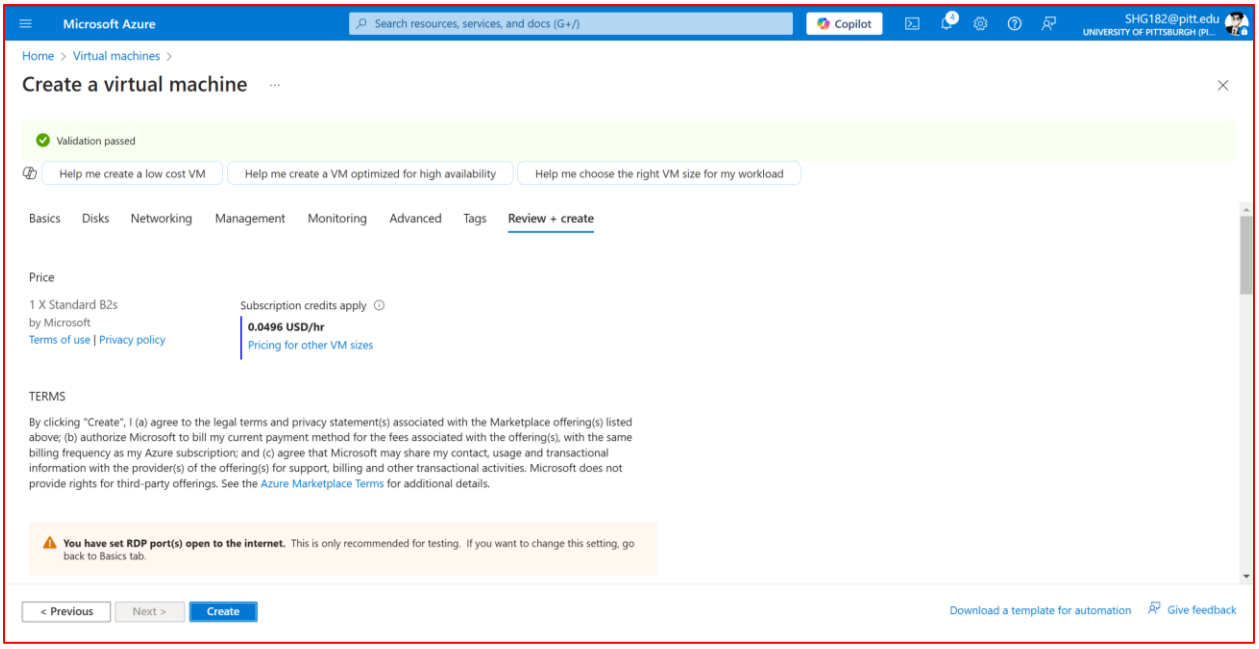
Creating a virtual machine...



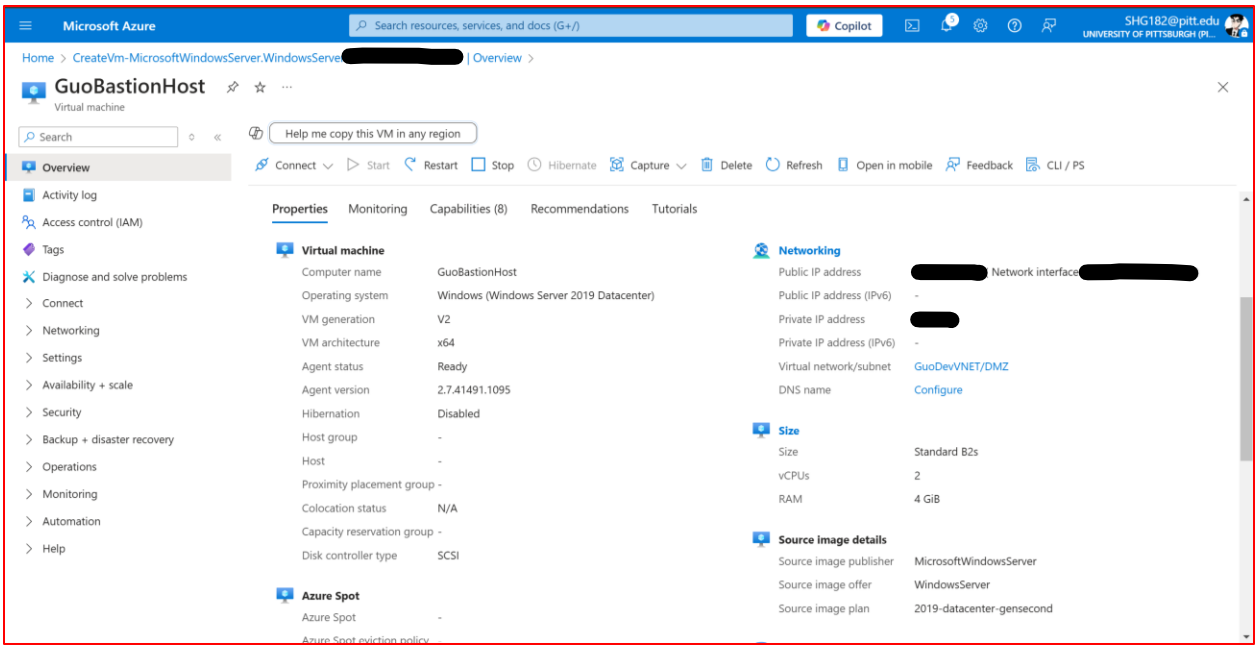
Selecting network...



Creating VM...

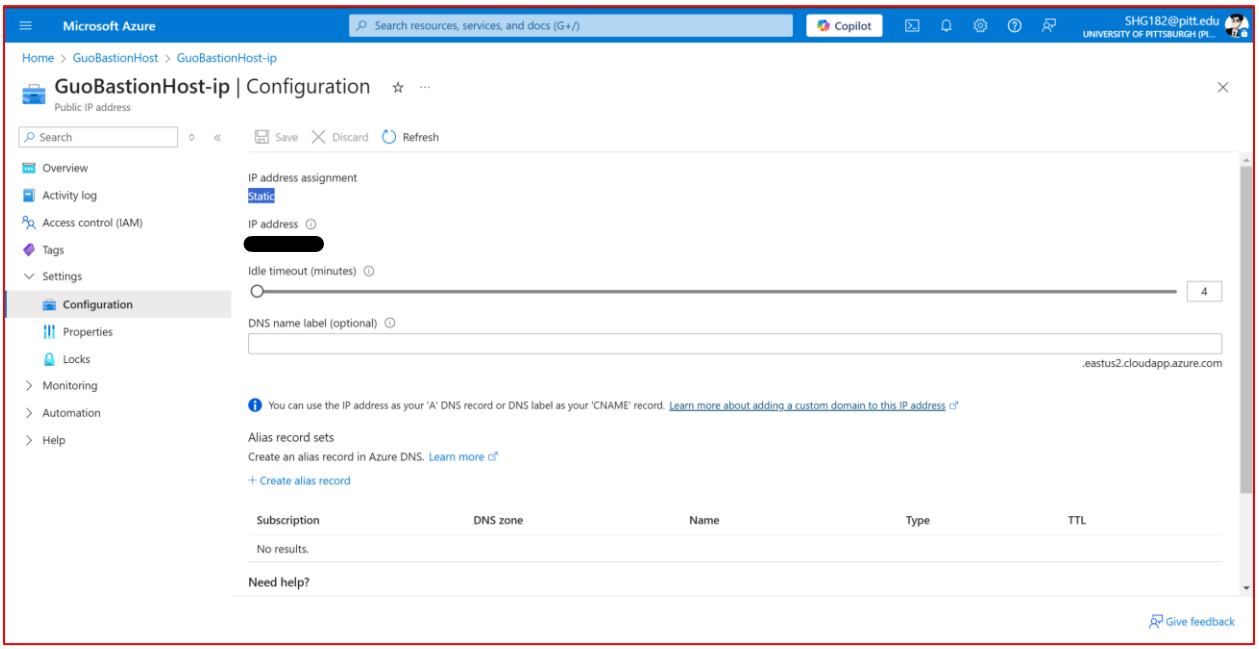


VM created...

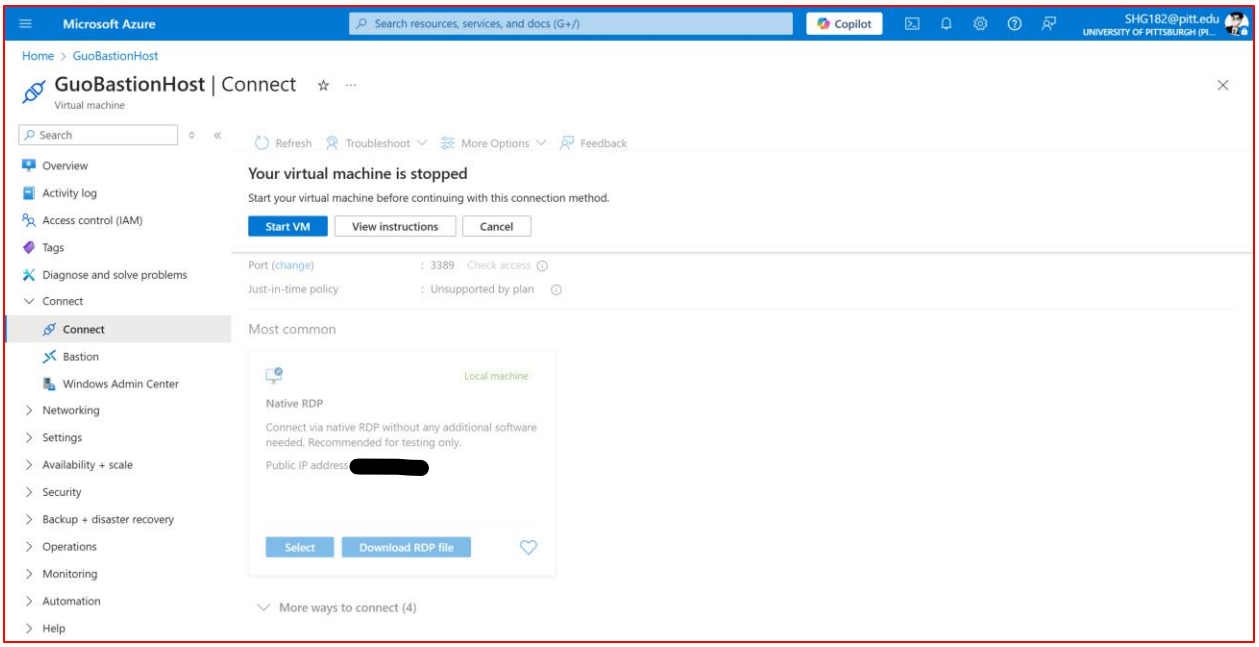


Connecting to VM

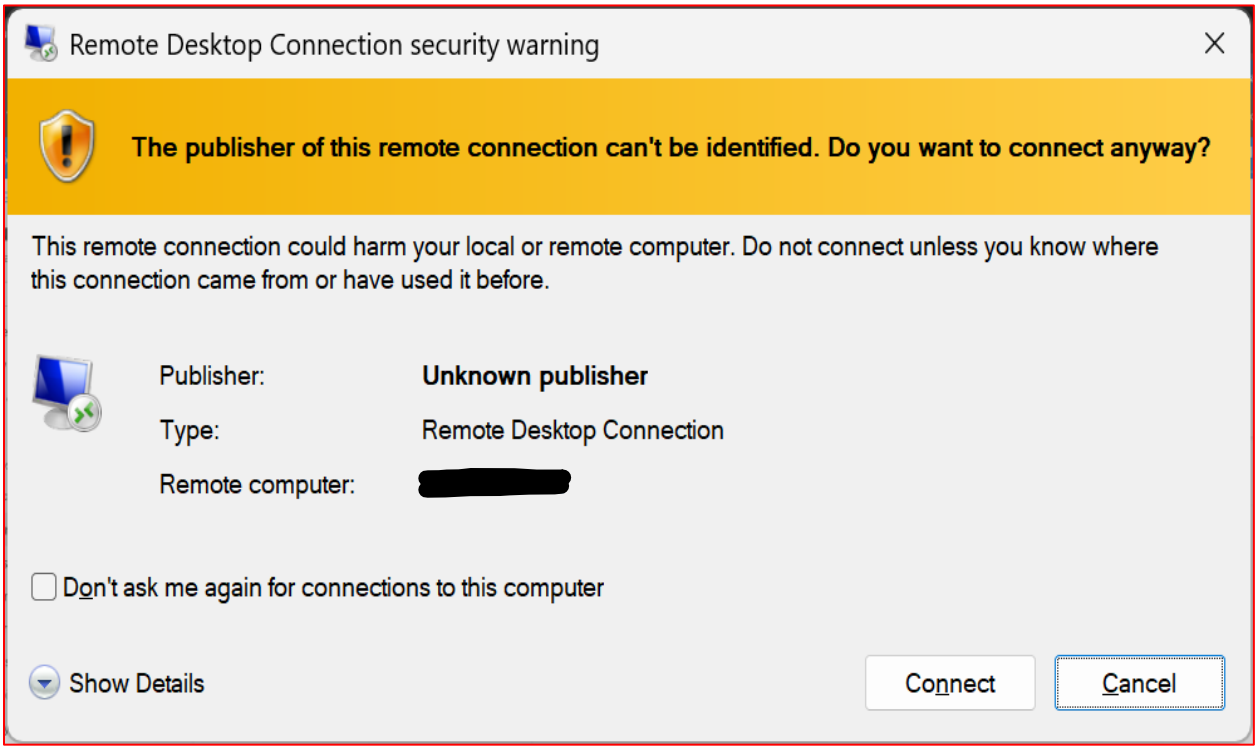
Is the public IP static or dynamic? What is the difference? This public IP is static as shown in the image below. The difference between static and dynamic is that static IP remains constant over time, while dynamic will change periodically, such as a router restart or ISP refresh. In conclusion, if the public IP changes, it is dynamic; If it doesn't change, in most cases, it is static.



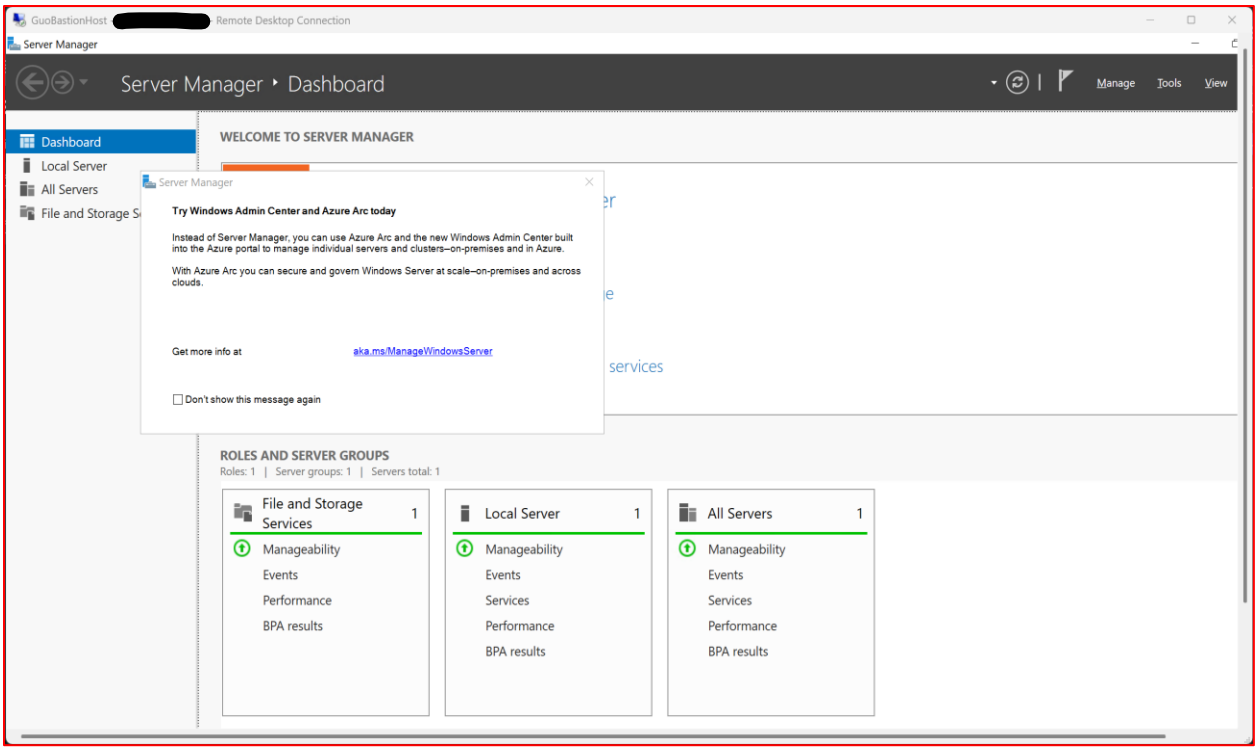
Connecting to VM using RDP...



VM connected using the public IP ([redacted]) ...

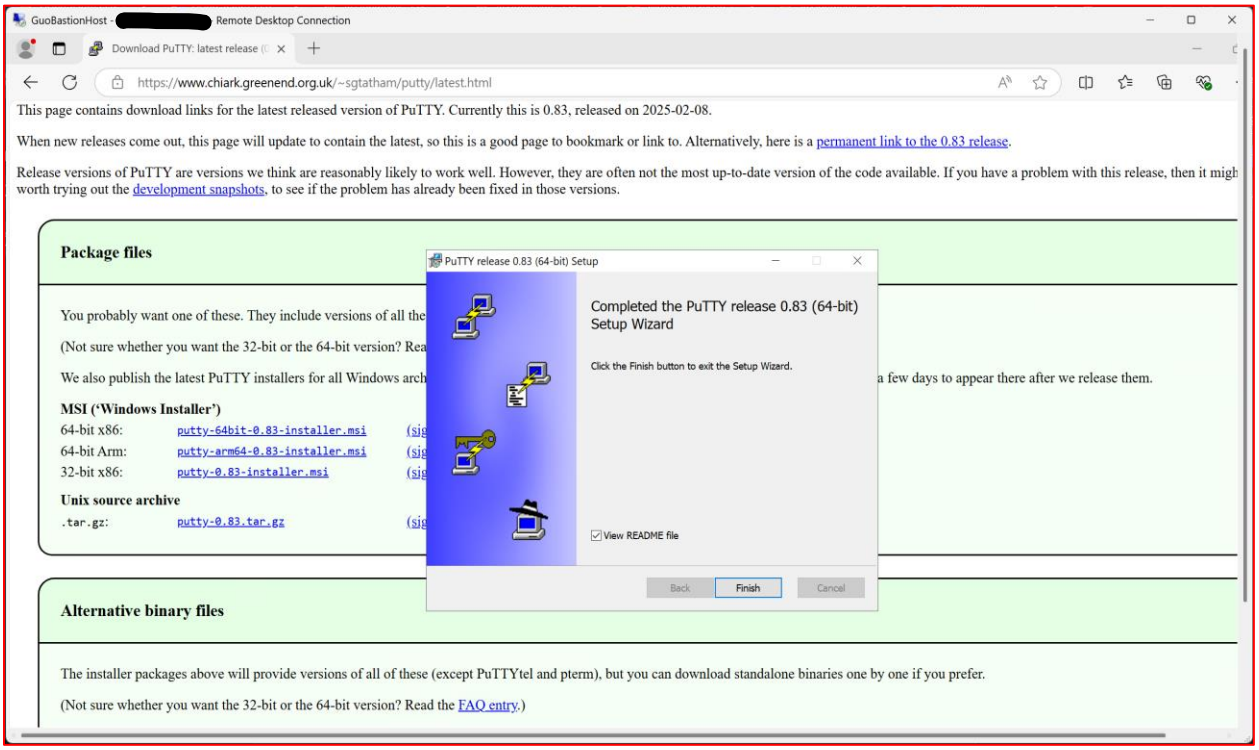


Successfully connected...

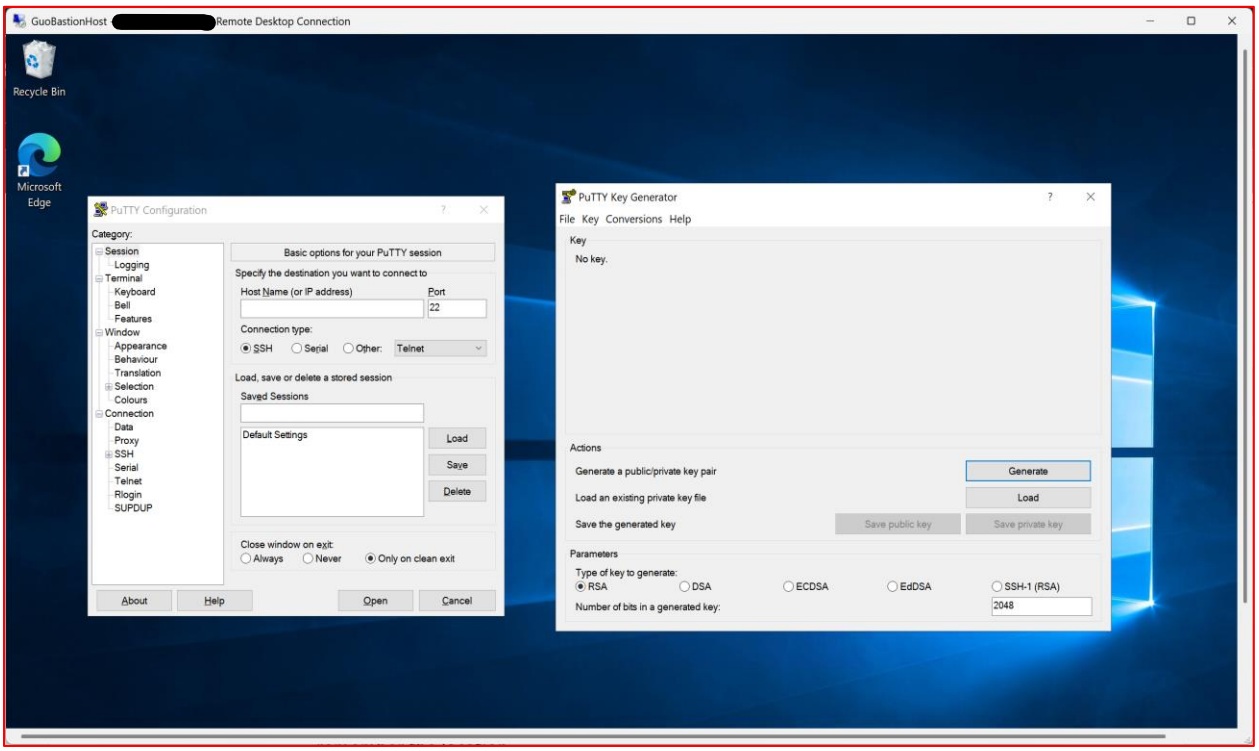


Installing PuTTY on VM

Installing PuTTY...

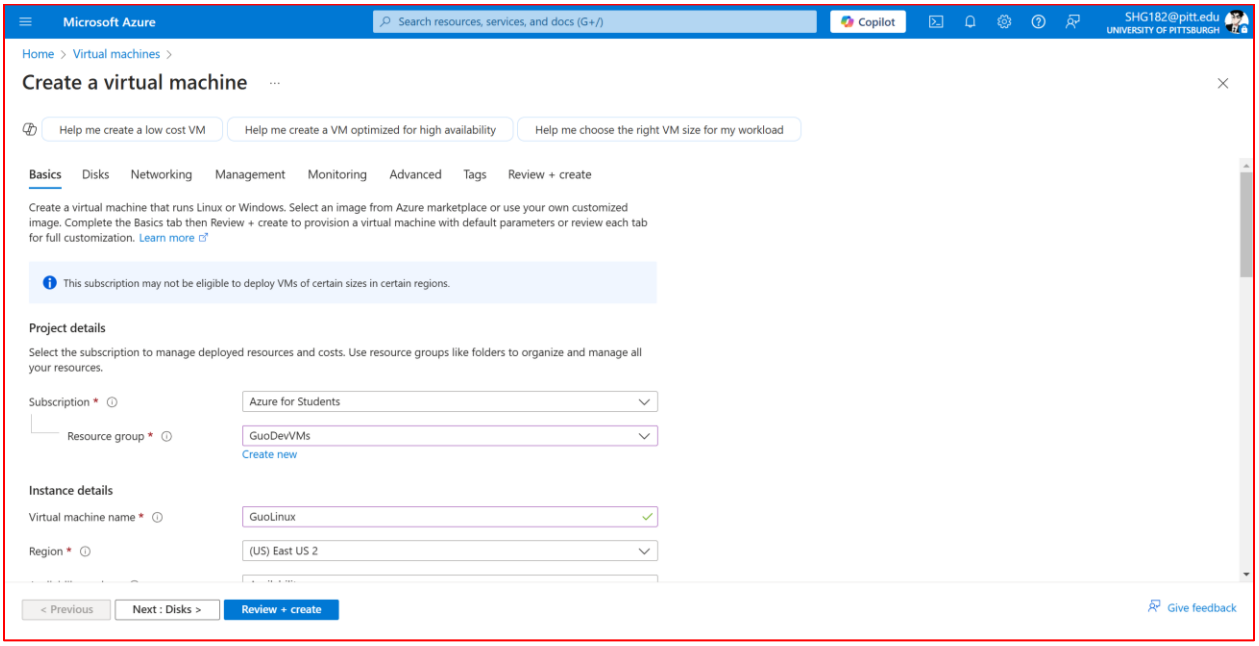


PuTTY installed...

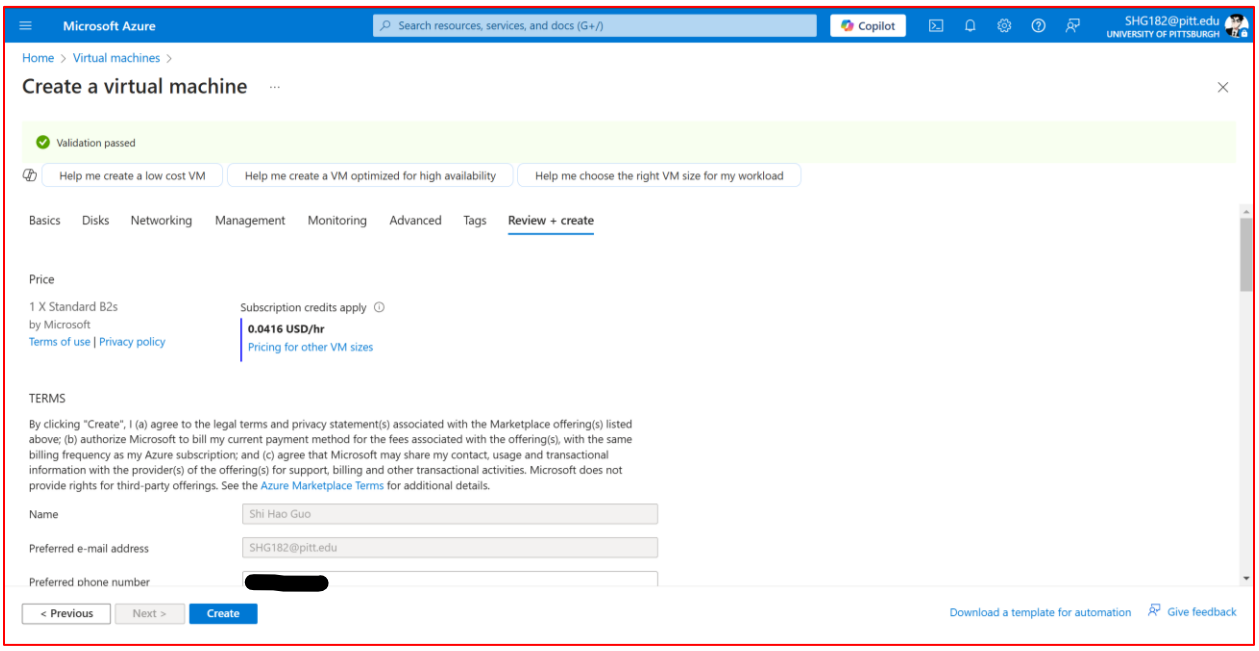


Create an Ubuntu VM

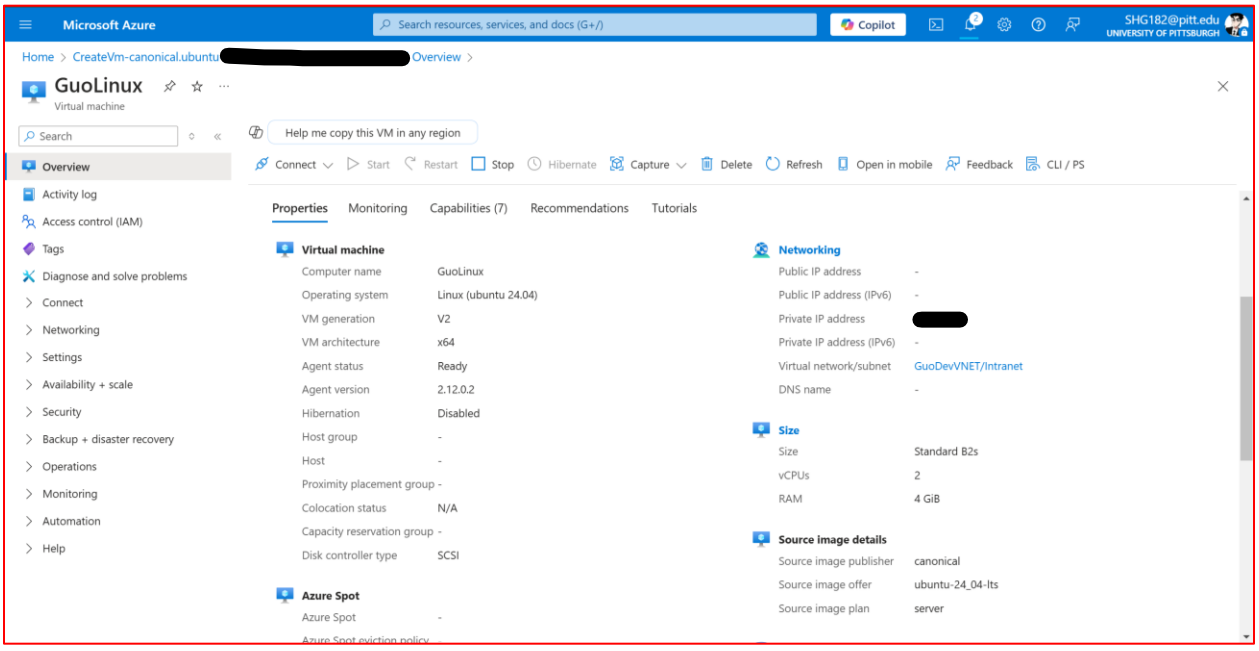
Creating a VM...



Review... (I used size B2s, because it's a bit faster and price is not a big different hourly, than the B1s)

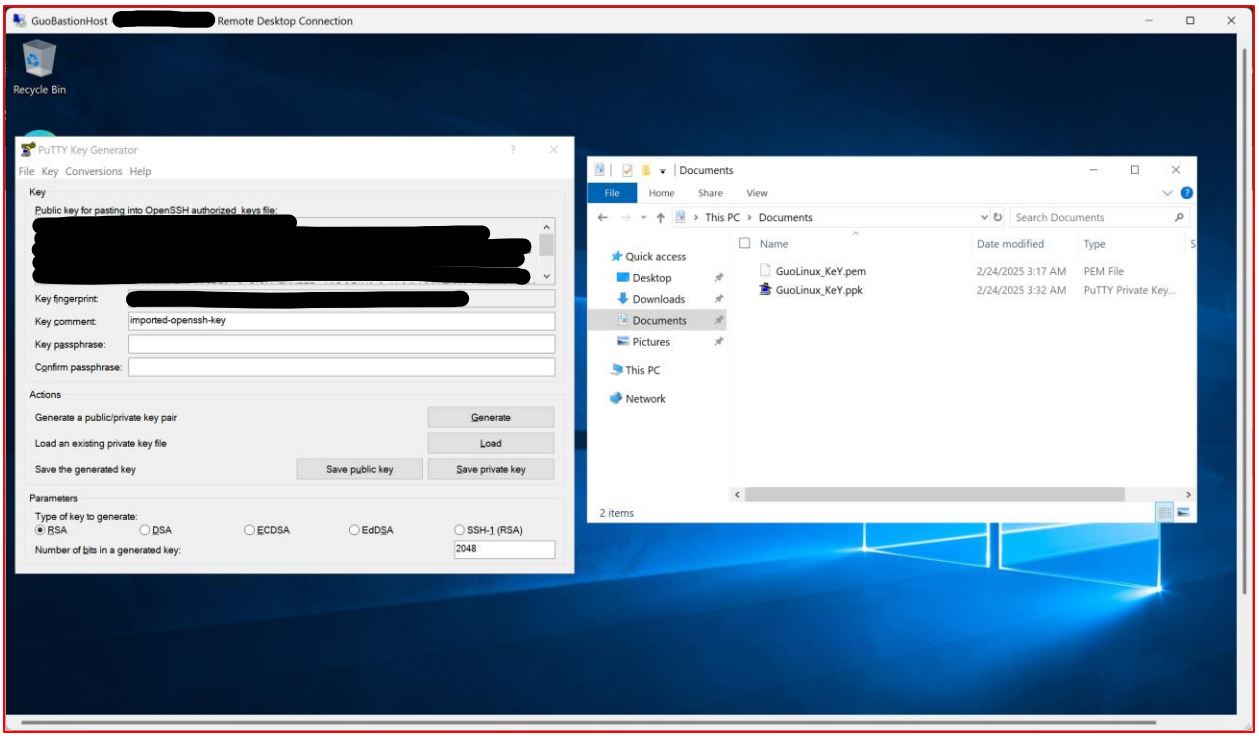


Ubuntu VM created...

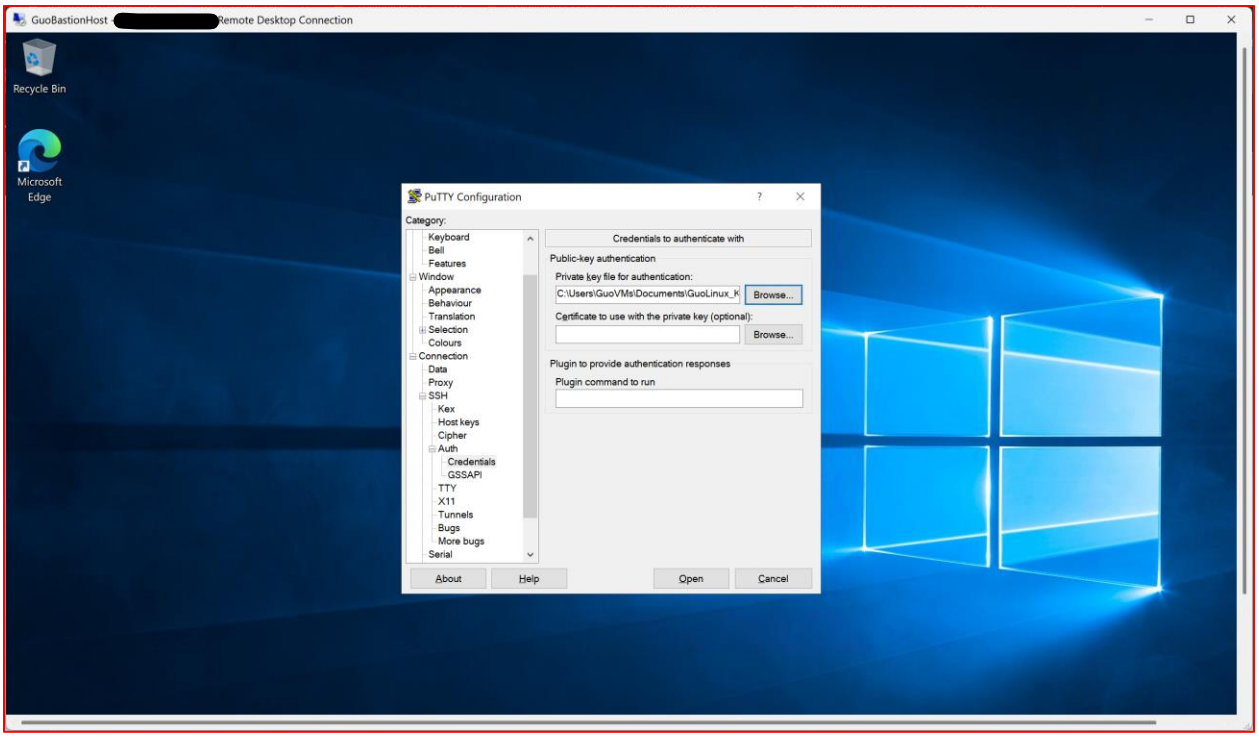


Using PuTTY

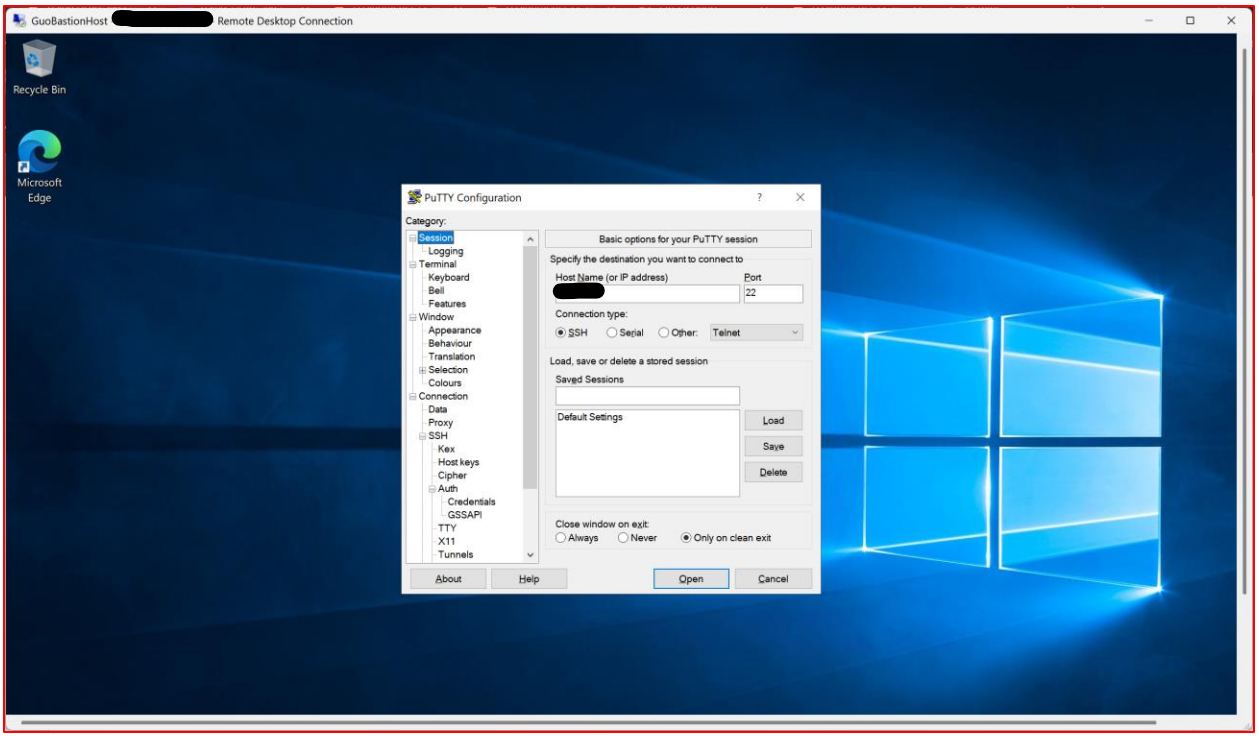
Converted .pem to .ppk in Windows 2019 VM using PuTTY...



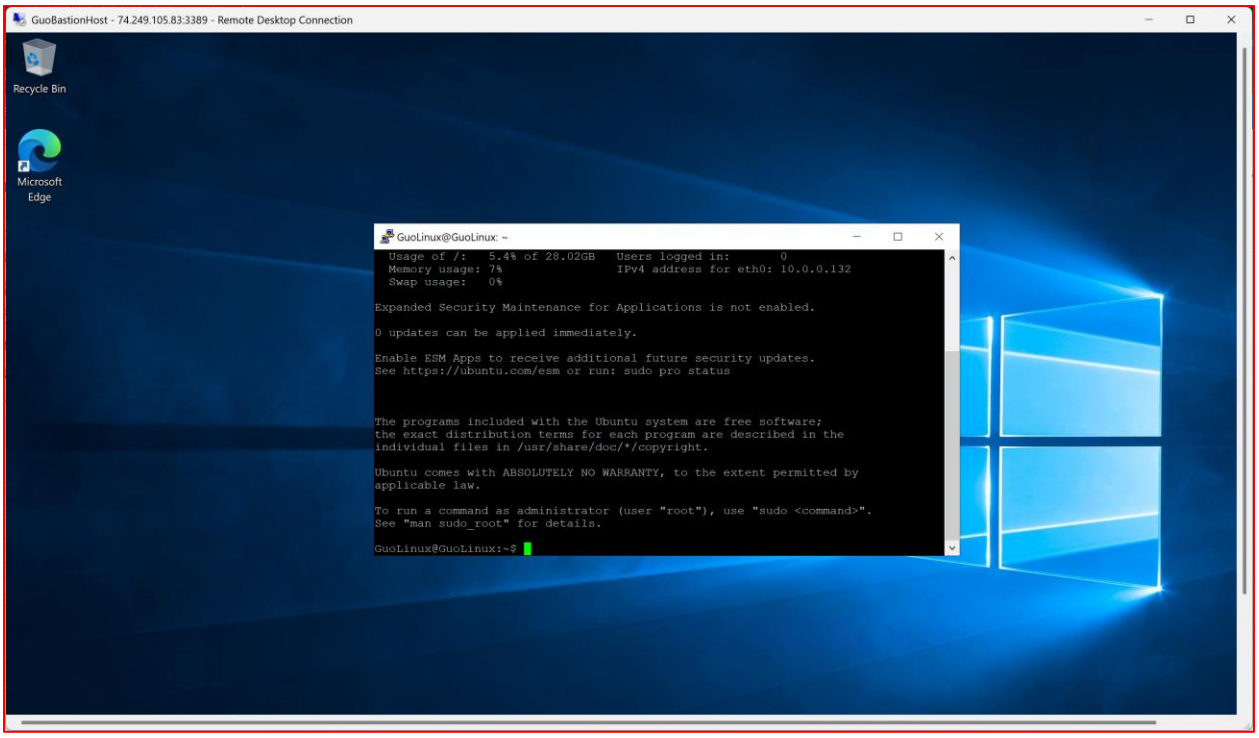
Connecting to Linux VM...



Connecting to Linux VM...



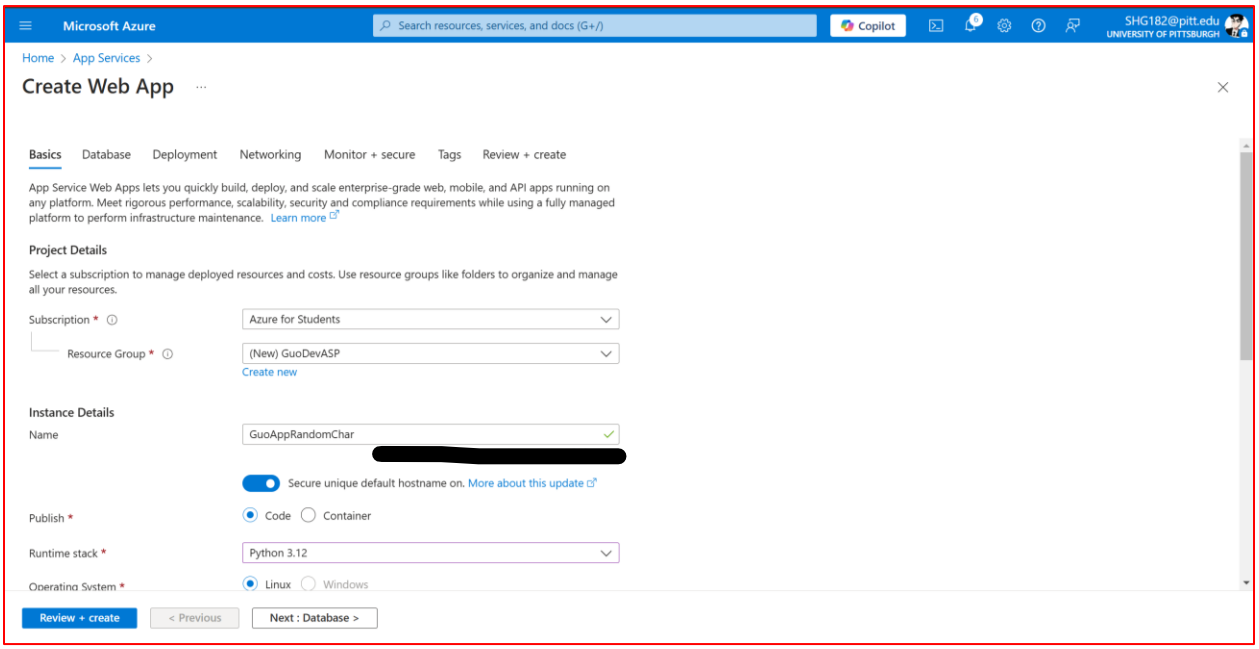
Linux VM successfully connected...



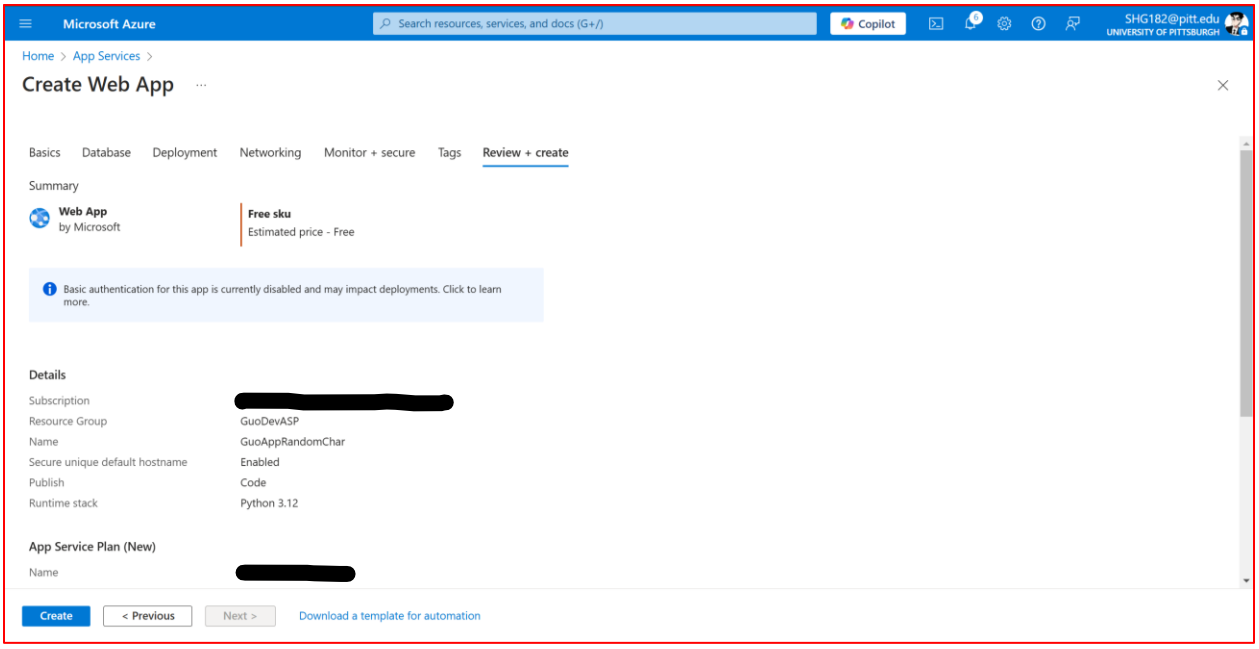
Can you connect to your Linux VM via SSH from the internet? Explain why or why not? No, I cannot connect to my Linux VM via SSH. This is because I will need a public IP address in order to connect to the VM.

Create a Web App

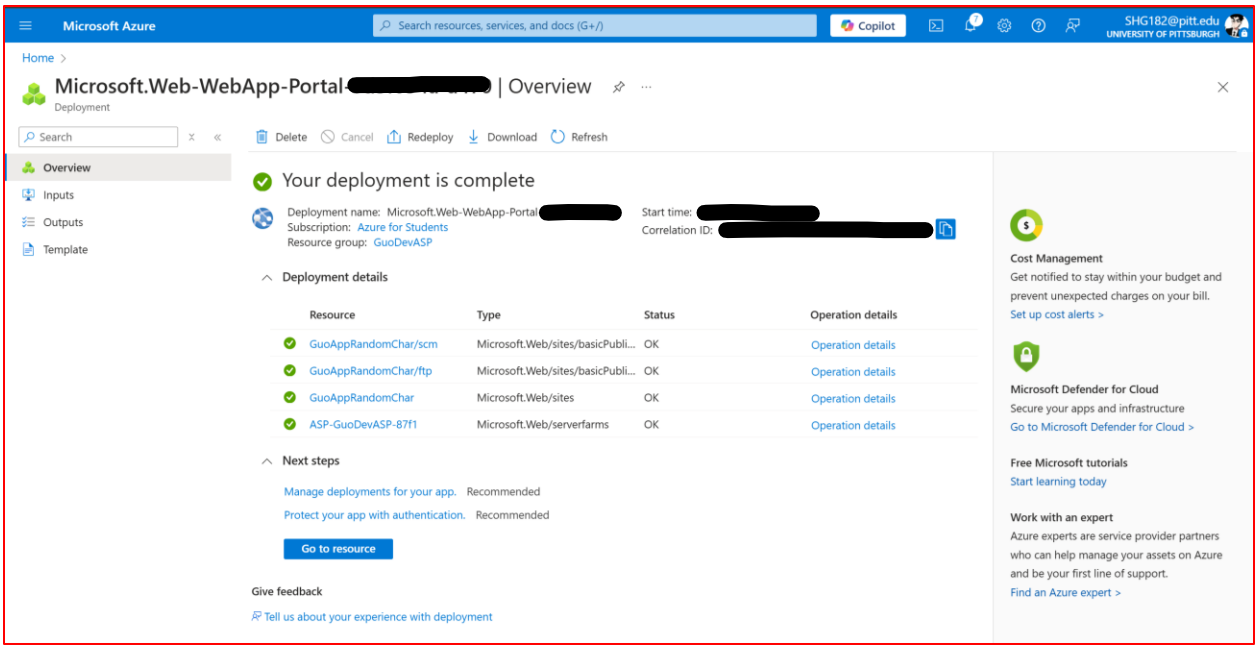
Creating a web application...



Review...



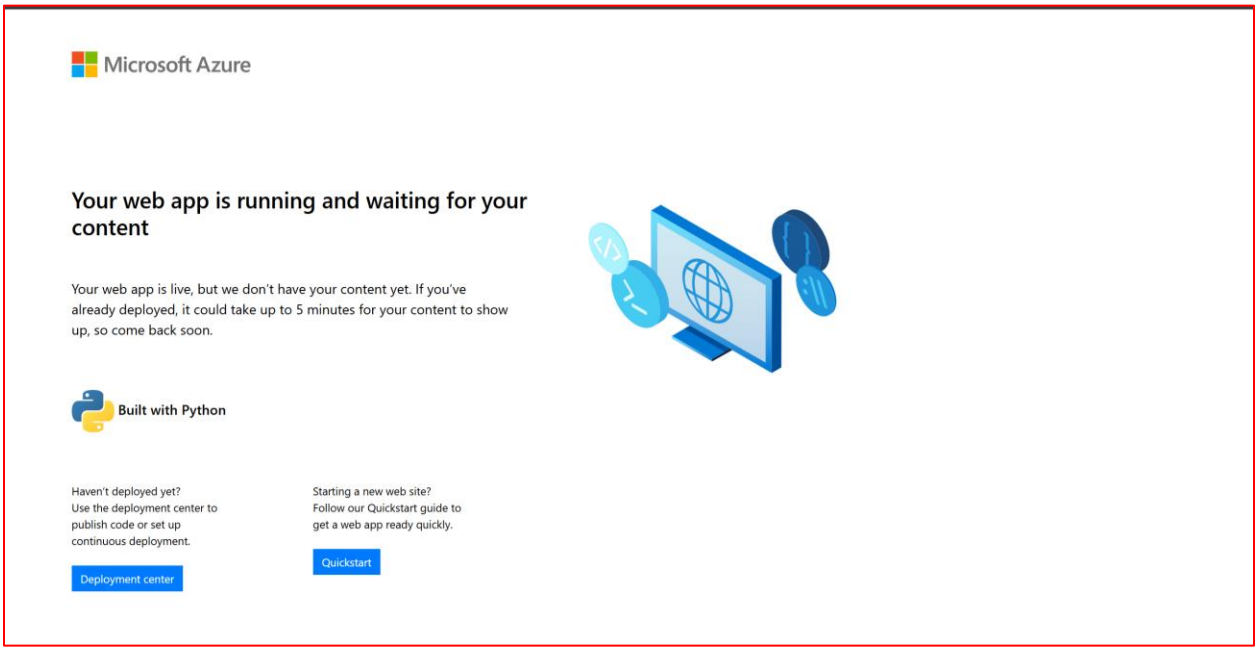
Web App created...



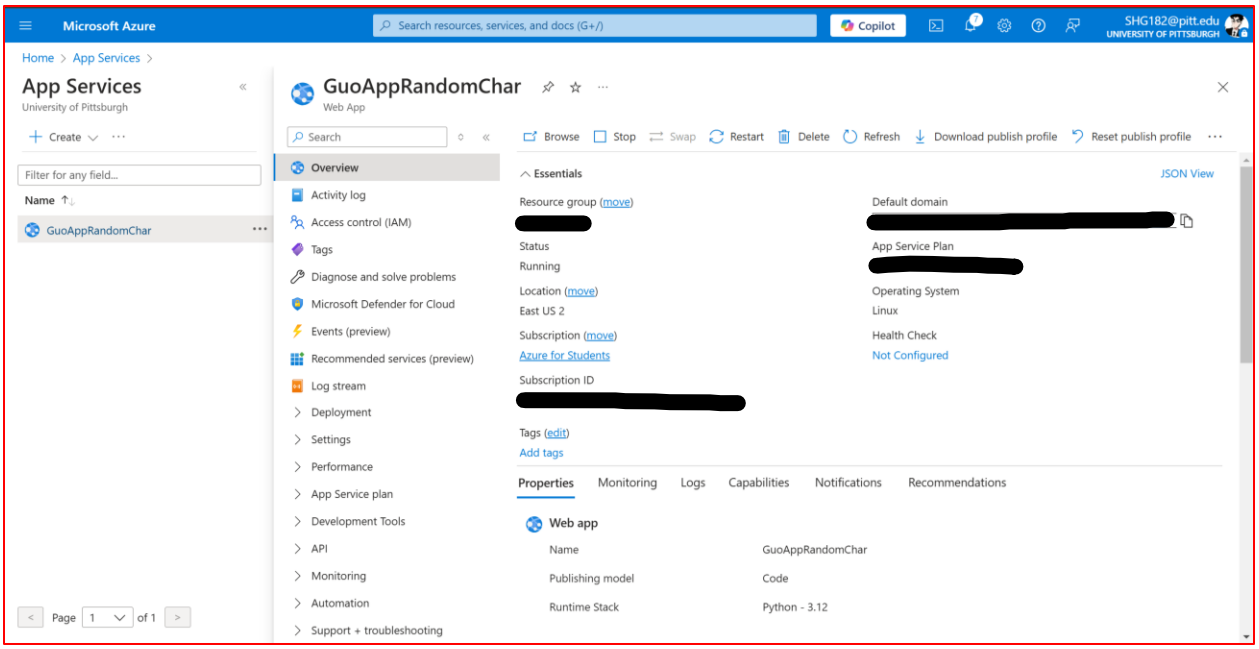
Questions

What is the URL to access your app service and what is shown when accessing this URL via a web-browser? [redacted]

It is showing “Your web app is running and waiting for your content”.



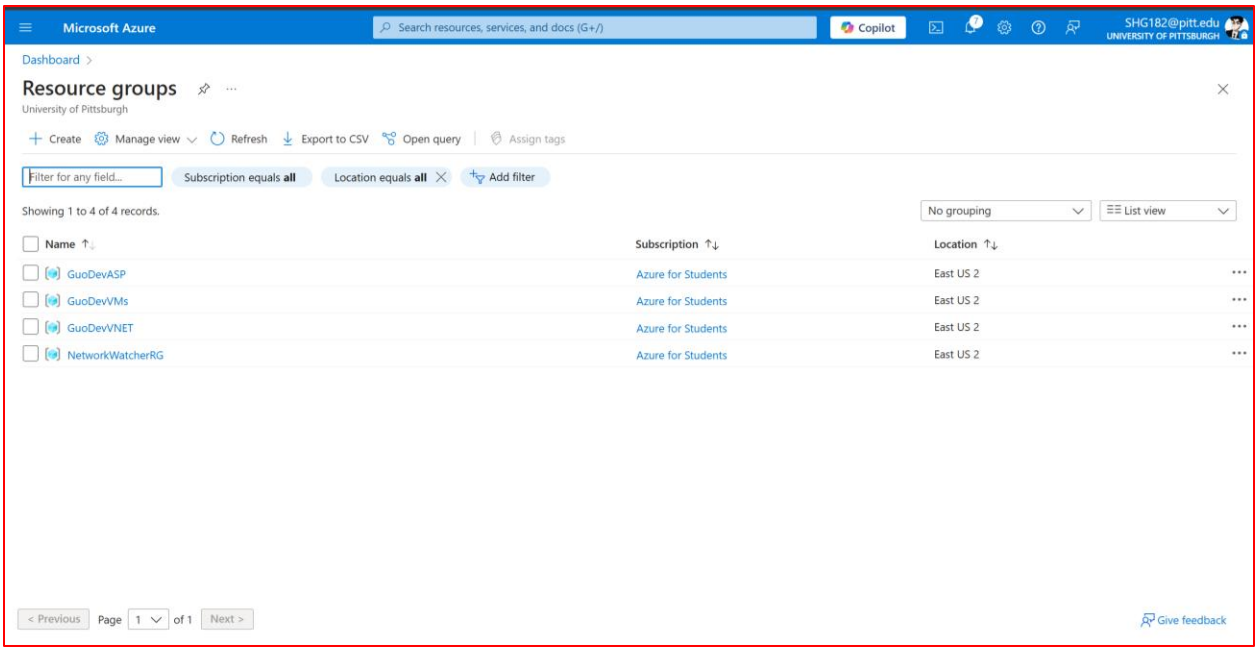
Overview...



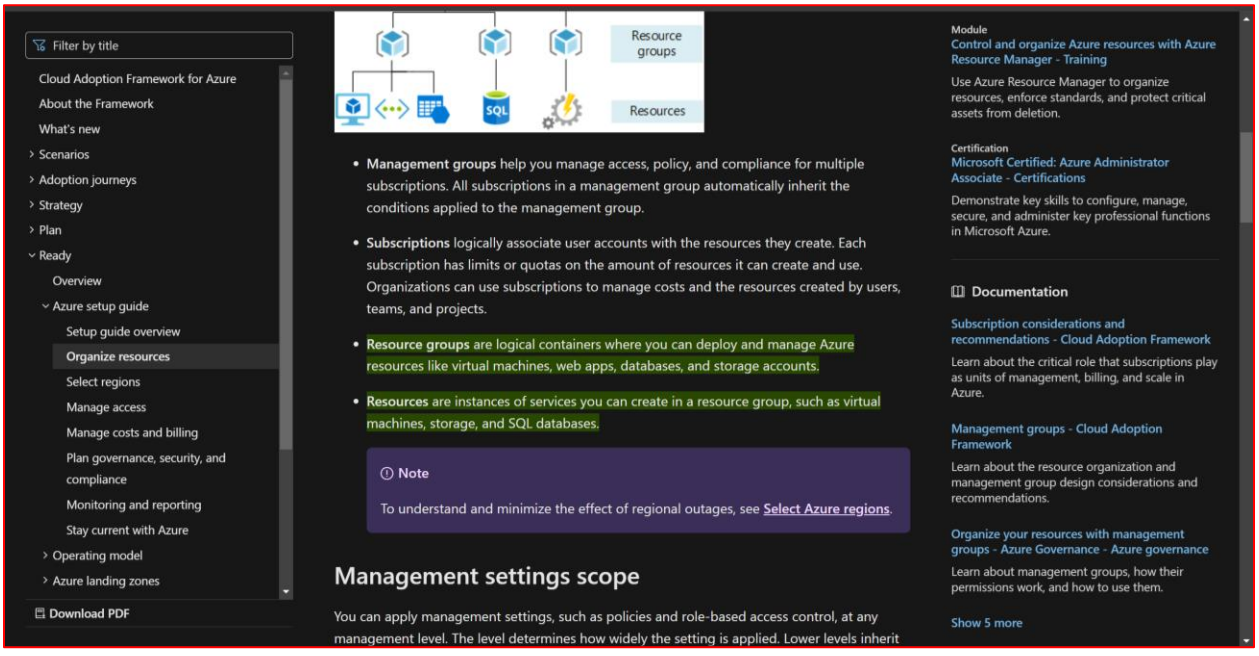
Is App Services IaaS or PaaS? Why or why not? In regard to responsibility, which additional layers (i.e. networking, hypervisor, etc...) is Microsoft Azure responsible for vs a VM?

Microsoft Azure App Services is a PaaS, because it handles the operating system, server maintenance, patching, and other infrastructure tasks. On the other hand, Microsoft Azure VM is an IaaS, because it has more control over the infrastructure, but it also requires more responsibility from the user. In addition, Azure App Services is responsible for OS & runtime layers compared to Azure VM. In conclusion, Azure App Service is PaaS where I deploy my code, and Microsoft manages the underlying infrastructure (OS, servers, etc.), and Azure VMs are IaaS where I manage the OS, runtime, and everything above the hypervisor.

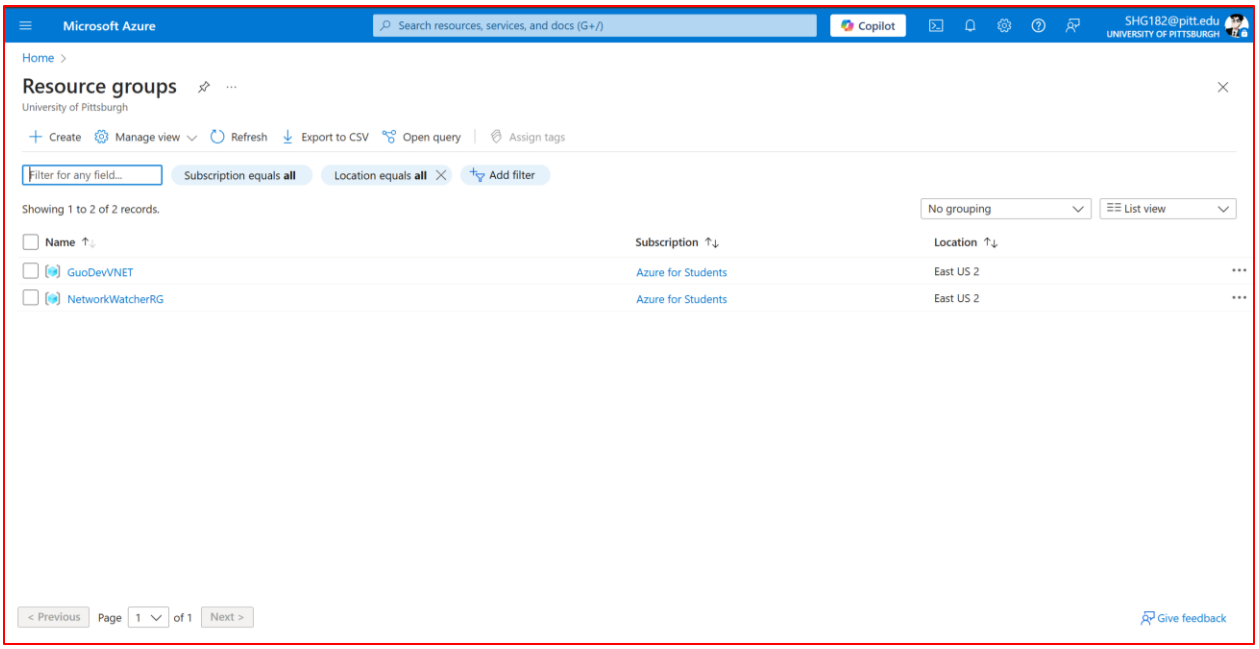
Screenshot of Resource Group... (What is NetworkWatcherRG? I don't remember creating it.)



What is the purpose of Azure Resource Groups? “Resource groups are logical containers where you can deploy and manage Azure resources like virtual machines, web apps, databases, and storage accounts.” -Microsoft Teams



Deleting all Resource Groups except for GuoDevVNET and NetworkWatcherRG... (Should I delete NetworkWatcherRG as well?)


Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
SHG182@pitt.edu
UNIVERSITY OF PITTSBURGH
Home
Resource groups
University of Pittsburgh
Create
Manage view
Refresh
Export to CSV
Open query
Assign tags
Filter for any field...
Subscription equals all
Location equals all
Add filter
Showing 1 to 2 of 2 records.
No grouping
List view
Name
Subscription
Location
GuoDevVNET
Azure for Students
East US 2
NetworkWatcherRG
Azure for Students
East US 2
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Next >
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