Task 1

s1. Create the resource group with name: newRg

s2. In resource group (newRg) create the virtual Network name (Myvnet01) and Address space (10.0.0.0/16)

s3. create 2 subnets with Ip address 16 and Address space : 10.0.0.0/28

Virtual network

A screenshot of a computer

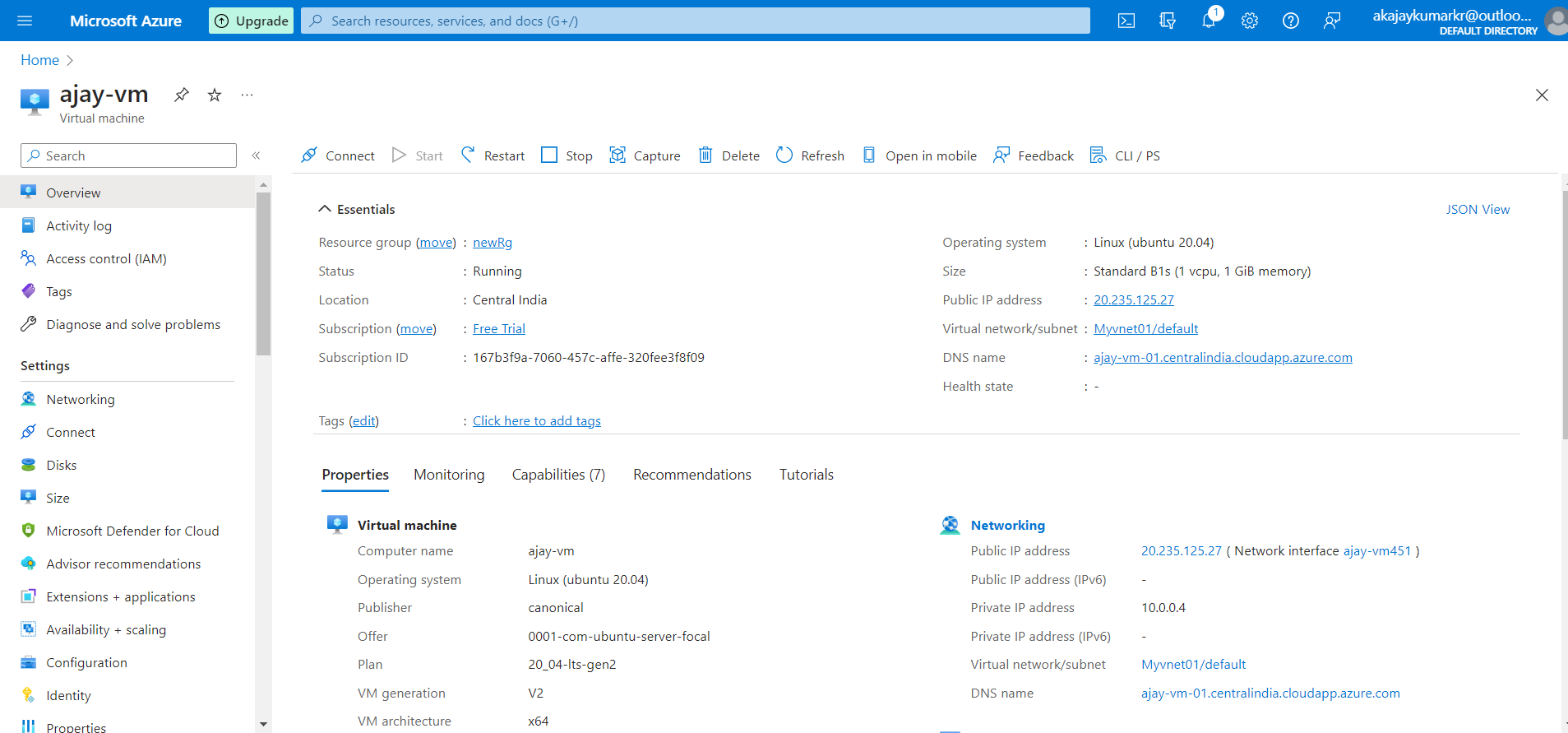
Description automatically generated with medium confidence

Task 2

virtual machine

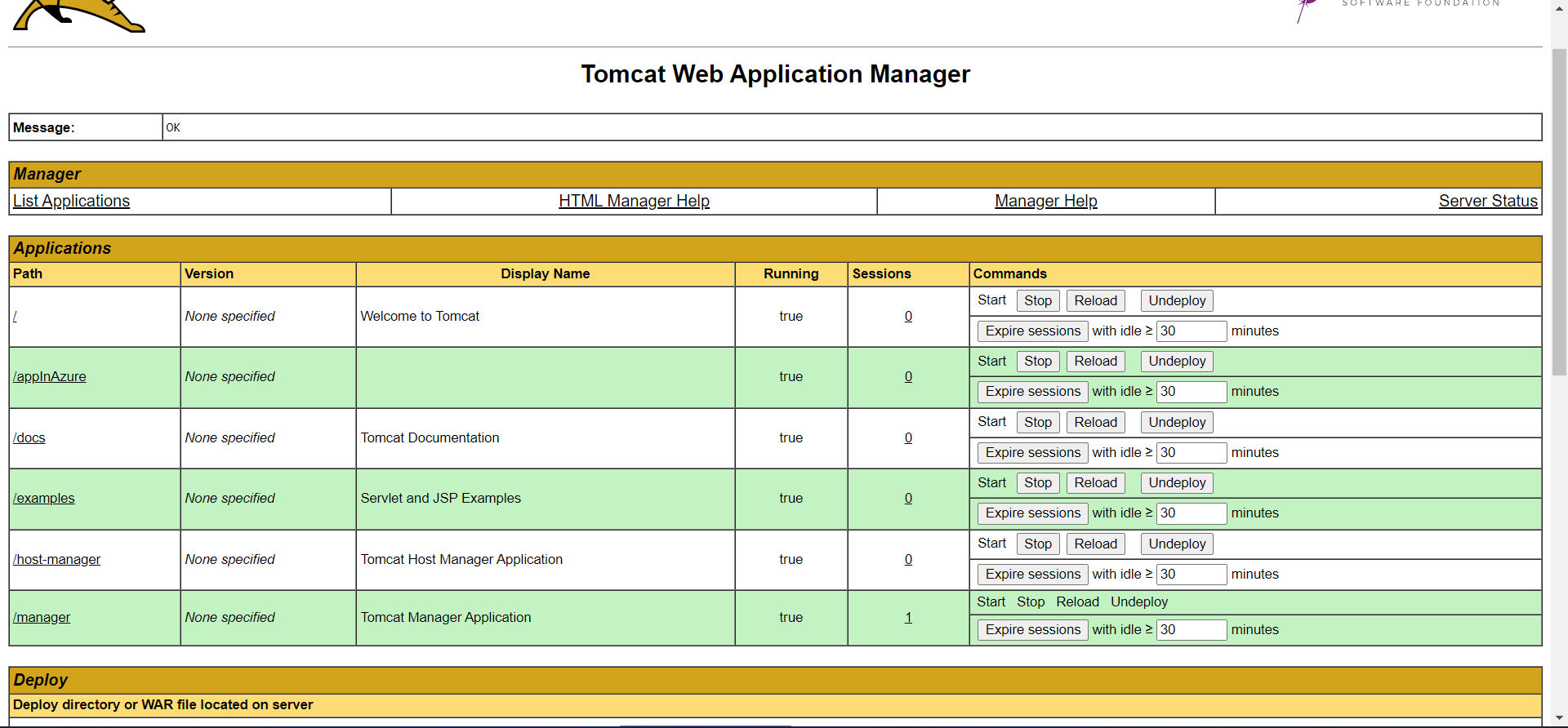
A screenshot of a computer

Description automatically generated

Tomcat server

A screenshot of a computer

Description automatically generated



TASK 3

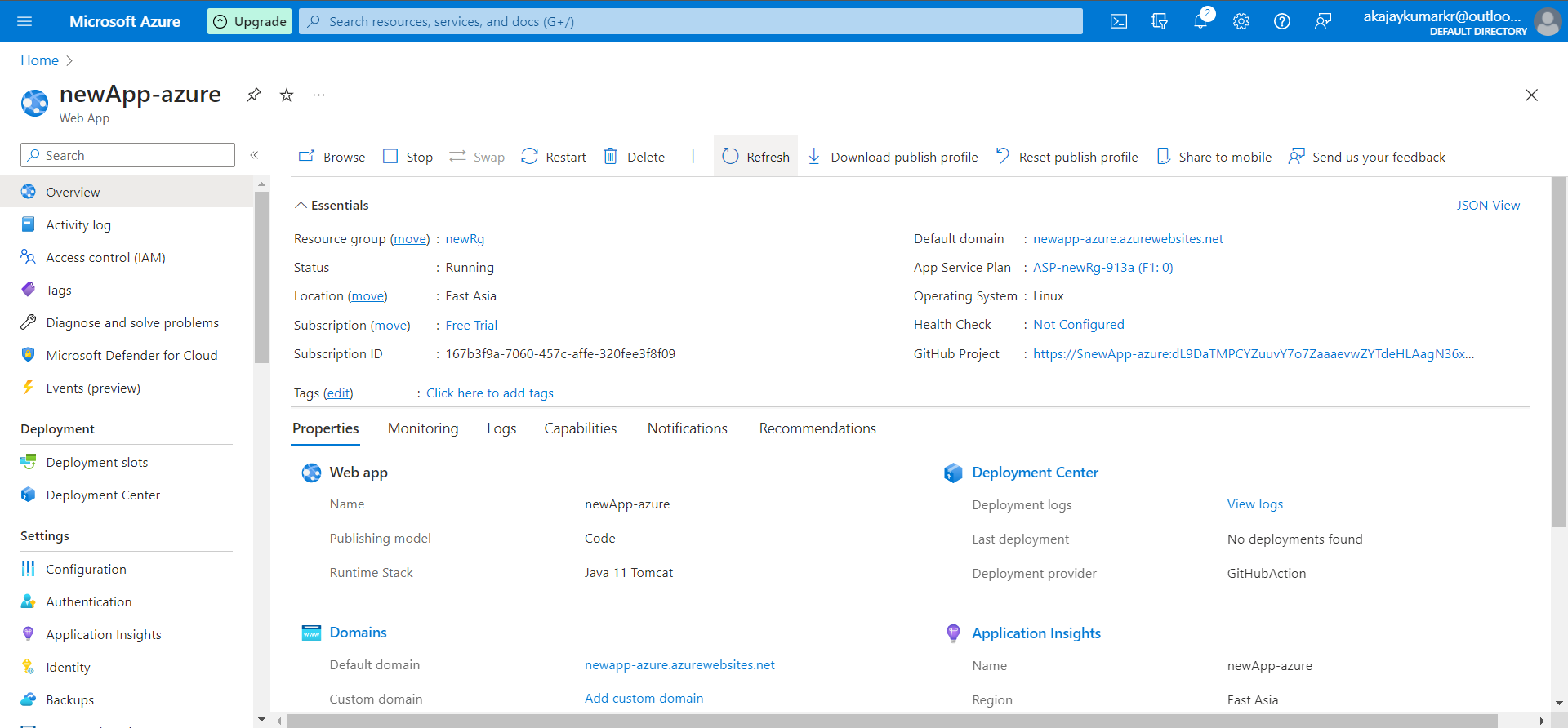
1.Create a springboot project from the springinitializer then write the java code.

2.Deploy the code on the gitlab.

A screenshot of a computer

Description automatically generated

3.create App service and deployed the gitlab repository on the Azure Microsoft.



get and post request after the deployment of database

A screen shot of a computer

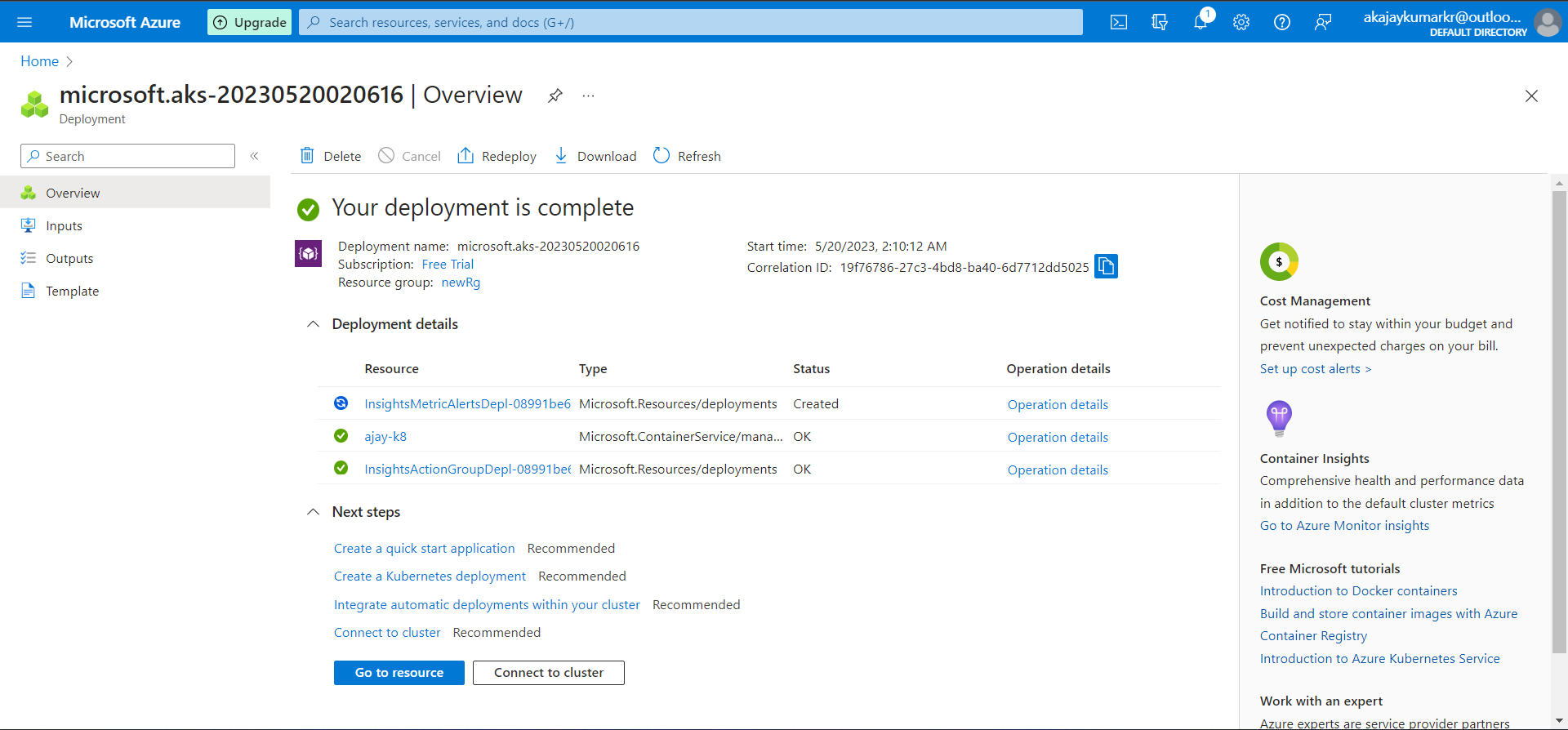
Description automatically generated with medium confidence

A screenshot of a computer

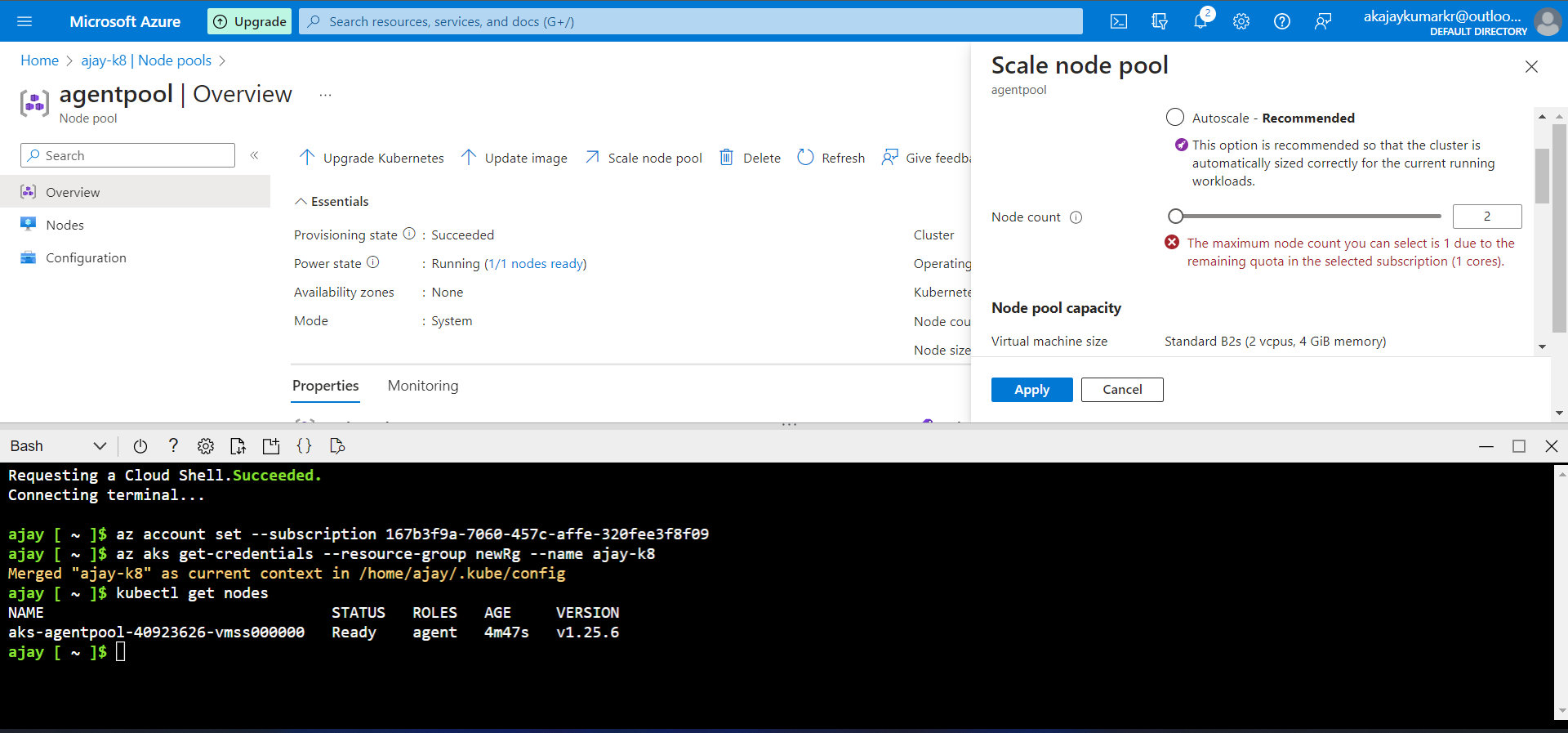
Description automatically generated

Task 4

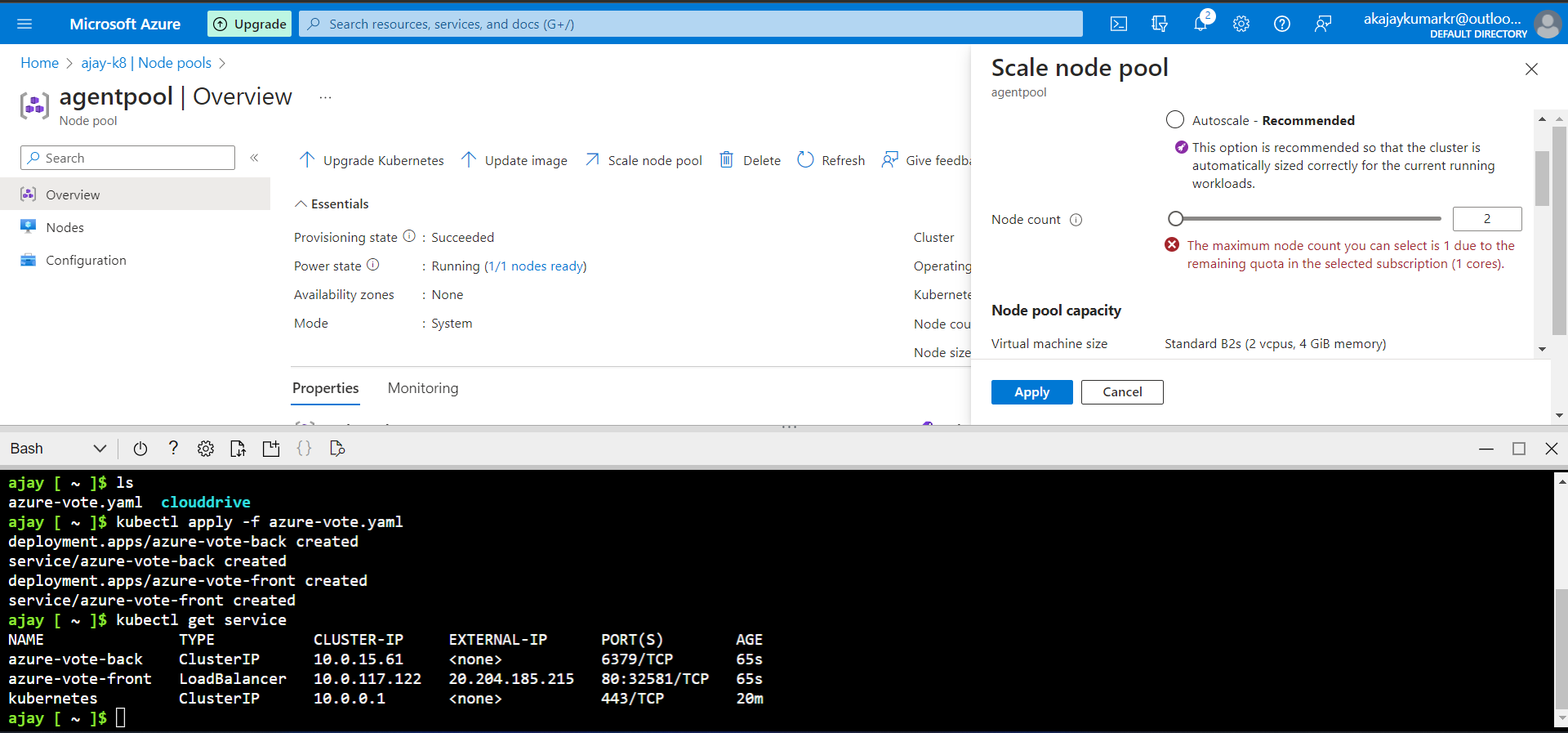
Create a kubernate cluster



Communicating with Kubernetes Cluster using cloud shell



Deploy service on the Kubernetes cluster with the help of azure-vote.yaml



Service that is accessible from the internet

A screenshot of a computer

Description automatically generated

Task 5

S1: Create resource group name: newRg-02.

S2: Create Storage Account name: storagefileblob.

S3: write the following command in powershell

*az functionapp create --consumption-plan-location westus --name* *ajayNewFunc01 --os-type Windows --resource-group newRg-02 --runtime node --functions-version 3 --storage-account storagefileblob*

this command create the azure function app with name ajayNewFunc01

A screenshot of a computer

Description automatically generated

create Blog trigger function in function App (ajayNewFunc01) name: BlobTrigger

A screenshot of a computer

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated with medium confidence

then again go into Blogtrigger and select code + test and upload file in container

result is highlighted part

A screenshot of a computer

Description automatically generated with medium confidence