# **CODTECH INTERNSHIP – Cloud Computing**

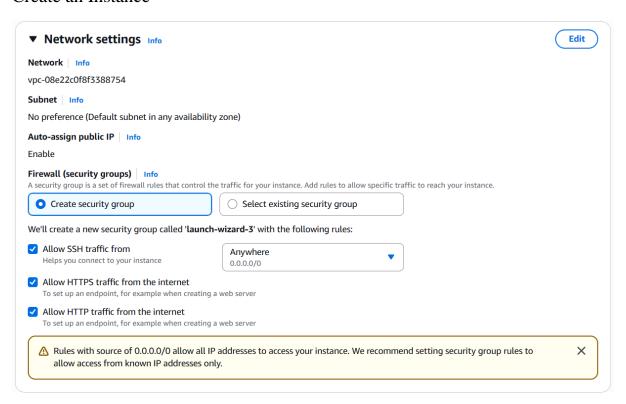
# Task-3: Multi-Cloud Architecture

DESIGN A MULTI-CLOUD ARCHITECTURE WHERE SERVICES ARE DISTRIBUTED ACROSS TWO CLOUD PROVIDERS

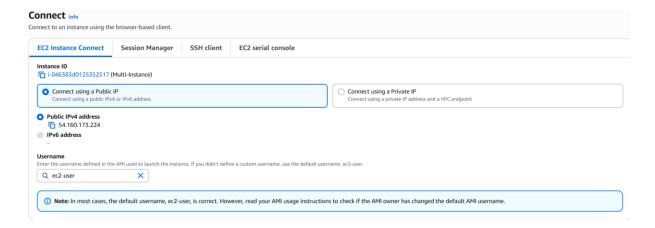
DELIVERABLE: A DOCUMENTATION AND DEMO SHOWCASING INTEROPERABILITY BETWEEN THE PLATFORMS

### **Steps to Complete Task:**

#### Create an Instance

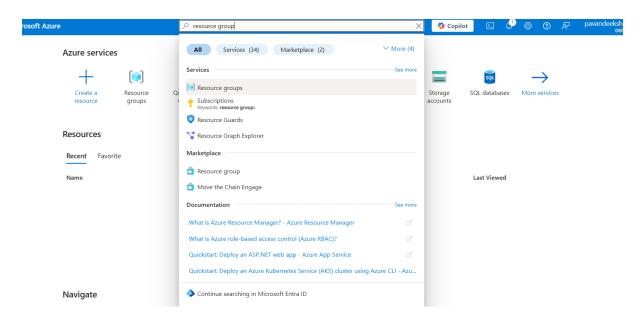


While Creating Instance, Allow all network traffic.



#### Select the Instance and Click on Connect.

## Connect to Linux as admin using "sudo su"



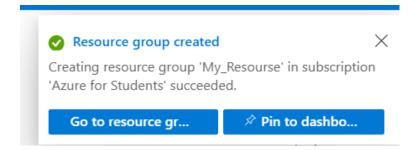
## Sign in to Azure Portal and go to Home page

Search for Resource groups in Search bar and Click on it.

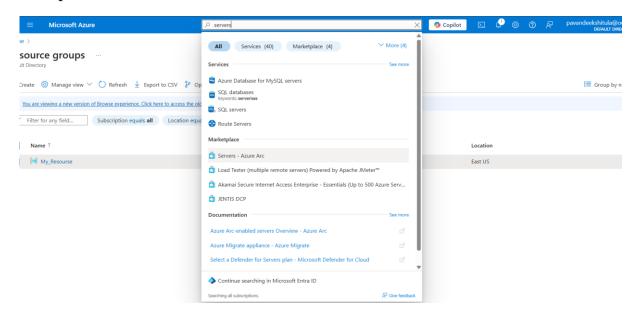
Give the Name and Regions for it.

Name : My\_ResourceRegions : (US) East US

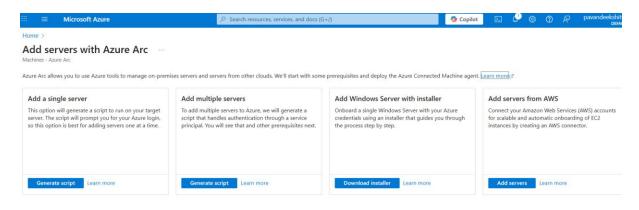
#### Click on Create



## Group is Created

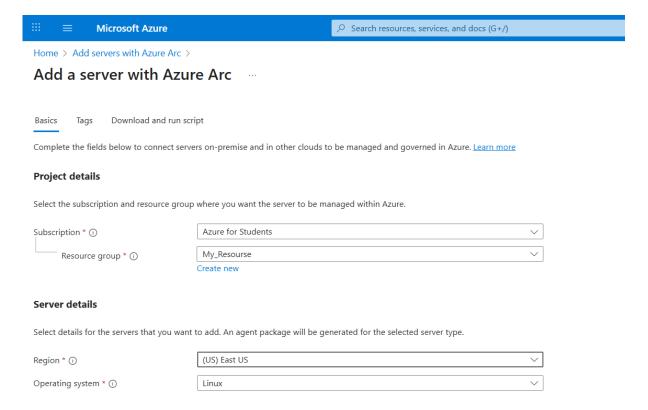


#### Go to Servers $\rightarrow$ Azure Arc $\rightarrow$ Click it



Task-3: Multi-Cloud Architecture

## Go to add a Single Server $\rightarrow$ Click on Generate script.



Give the Subscription and Resource group in Project Details.

Give the Region and OS in Server Details.

Select the Connectivity as Public endpoint.

Keep the Physical location tags as Default.

Go to Add servers with Azure Arc

Home > Add servers with Azure Arc >

#### Add a server with Azure Arc

```
export subscriptionId="d40032a9-b8a0-48ab-8cb3-bb6c8ac3dea5";
     export resourceGroup="My_Resourse";
     export tenantId="bd38eb72-bb42-4b92-8bab-d31c38871ad8";
     export location="eastus";
     export authType="token";
     export correlationId="a54210b4-3b9d-4a2c-8a00-0feb3e164a19";
     export cloud="AzureCloud";
11
     # Download the installation package
     LINUX_INSTALL_SCRIPT="/tmp/install_linux_azcmagent.sh"
     if [ -f "$LINUX_INSTALL_SCRIPT" ]; then rm -f "$LINUX_INSTALL_SCRIPT"; fi;
13
     output=$(wget https://gbl.his.arc.azure.com/azcmagent-linux -0 "$LINUX_INSTALL_SCRIPT" 2>&1);
14
     if [ $? != 0 ]; then wget -q0- --method=PUT --body-data="{\"subscriptionId\":\"$subscriptionId\",\"resourceGr
15
     echo "$output";
17
18
     # Install the hybrid agent
19
     bash "$LINUX_INSTALL_SCRIPT";
     sleep 5;
22
     # Run connect command
23
     sudo azcmagent connect --resource-group "$resourceGroup" --tenant-id "$tenantId" --location "$location" --sub-
```

Copy this code  $\rightarrow$  go to aws Linux console

Type the code in Linux console.

vi azure.sh

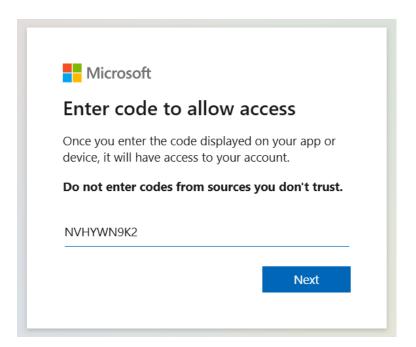
```
seport subscriptionId="440032s9-b8s0-48ab-8cb3-bb6c8ac3dea5";
export resourcedroup="My_Resourse";
export tenantid="bd38eb72-bb42-4b92-8bab-d31c38871ad8";
export tenantid="bd38eb72-bb42-4b92-8bab-d31c38871ad8";
export calcin="easture";
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```

Paste the Code here and save it

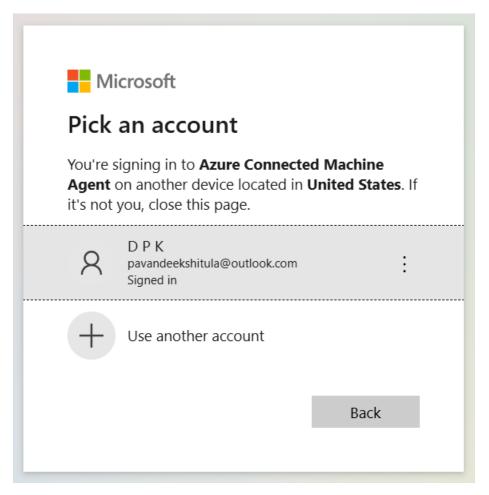
After saving, it redirects to Linux console.

After returning to console, type this code

chmod +x azure.sh Is sh azure.sh After executing the code we will get details and get https browser link. Copy the https browser link and paste it in the browser tab.



Enter the codes from details you got.



Task-3: Multi-Cloud Architecture

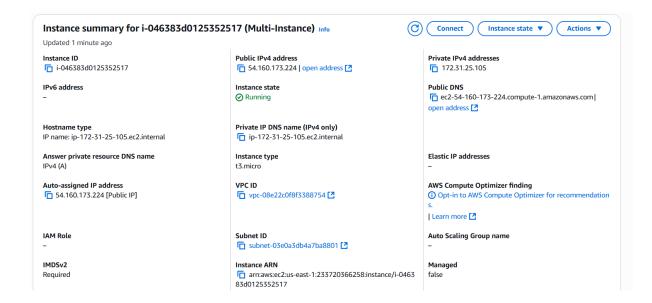
Select the Account to Sign in.



Now the Azure Machine is connected.

After that close this  $\rightarrow$  Go to home  $\rightarrow$  Resource Group  $\rightarrow$  Select My\_Resource (Group you created).





Now we can see that the computer name will be having same IP Address in Azure and Private IPv4 address in AWS.

Here, This is the Process to connect two cloud Providers.