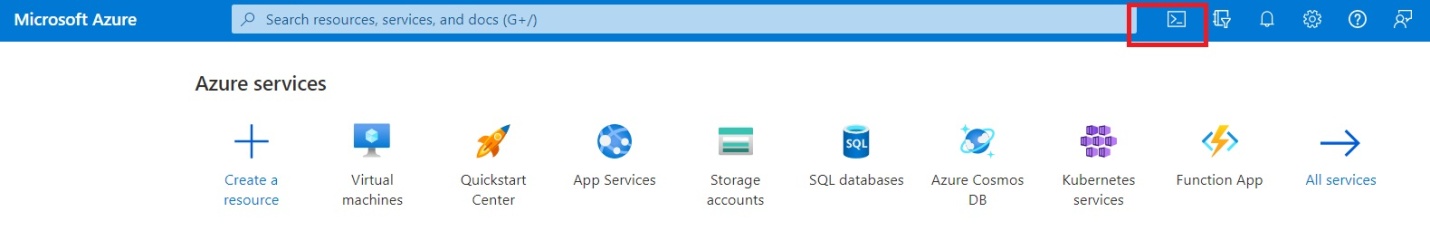
**Lab Steps**

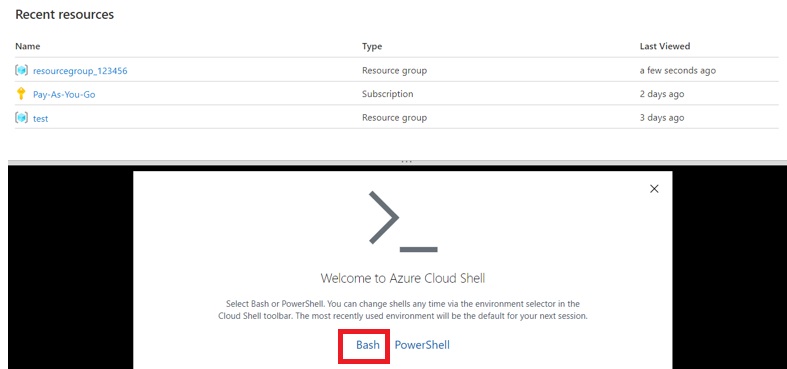
**Task 1: Sign in to Azure Portal**

## ****Task 2: Create Virtual Machine using Azure CLI****

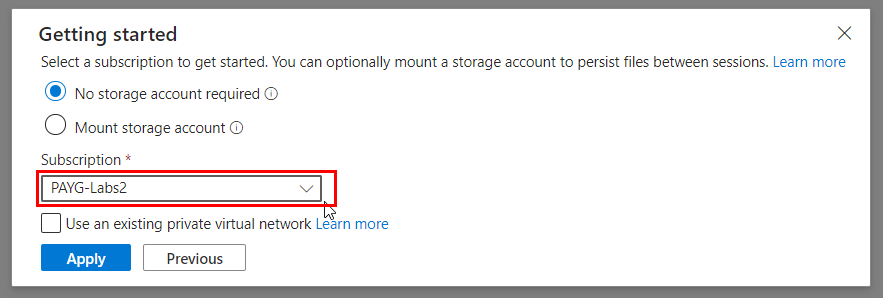
First you have to click on the Azure Cloud shell icon in Azure Portal



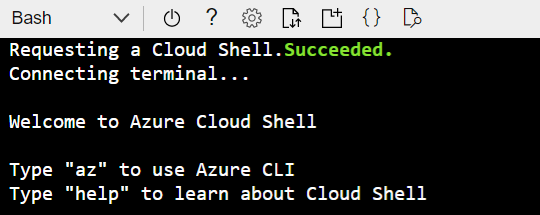
Click on **Bash**.



Select the Subscription and Click on **Apply.**



After some time you will be able to see an Image like this.



For creating a virtual machine you need to provide the username and password. 

* + One should not specify the username and password in the CLI command directly, Instead, they have to be stored in a variable for security/privacy reasons.
  + For that use the following commands :

username="demouser"  
password="XXXXXX"

https://labresources.whizlabs.com/a5d65d371cf11829be290ded996bf977/image_136_51_01.png

Now coming to the main part of creating the virtual machine:

You can create a virtual machine using the command “**az vm create**” and you can specify the parameters after that with the sign “**--**”

Use the command given below and fill in the correct parameters like **resource group** etc. You need to replace the **<resource-group>** with name of your resouce group which you can find in credentials section. Copy the command below and paste it in your CLI.

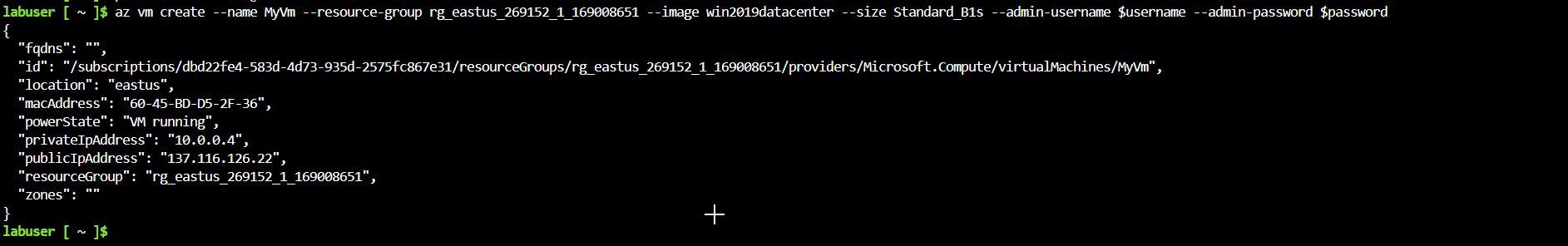
az vm create --name MyVm --resource-group <resource-group> --image win2019datacenter --size Standard\_B1s --admin-username $username --admin-password $password

* There are many other parameters that can be mentioned like public ip address etc.
* But the parameters that are mentioned are good enough for the creation of a virtual machine.

After executing the command, wait for some time until the virtual machine is created.

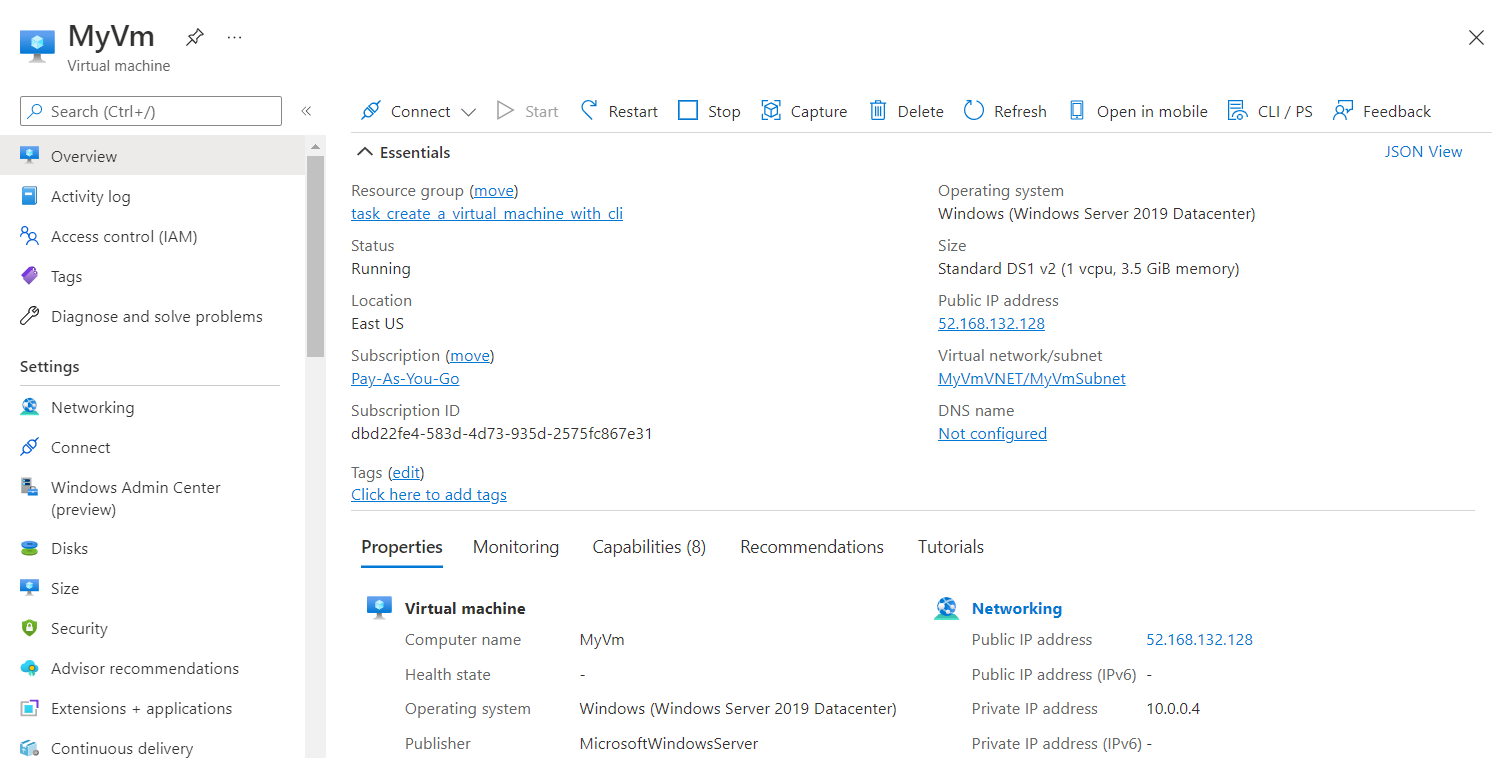
It may take much more time than creating other resources because there are sub-resources that are created like Network Security Group, IP Address. Network Interface Card, Virtual Network and subnet.

After creating the virtual machine, you can see something like this on the Azure CLI.

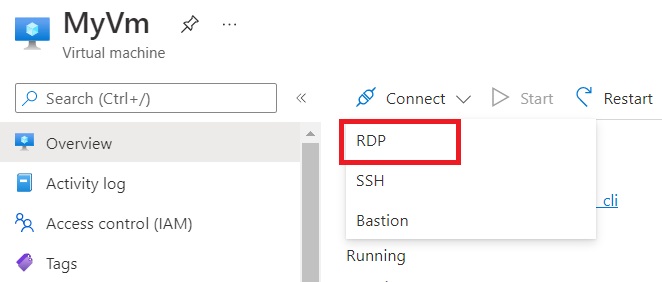


## ****Task 3: RDP into Virtual Machine****

1. Go to the **Virtual Machine** section from the left panel menu.
2. You can see your virtual machine in the list, just click on it and you can see virtual machine details on your screen.

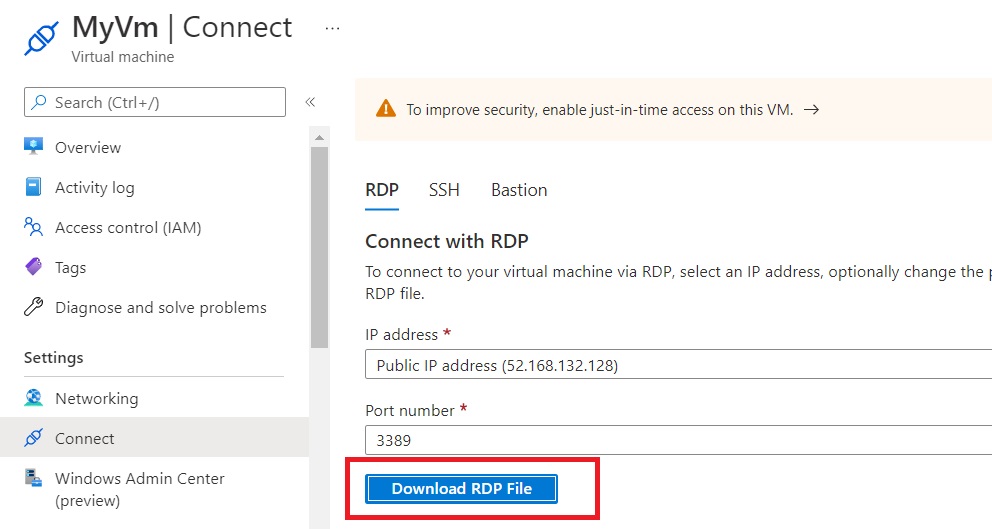


Click on the https://labresources.whizlabs.com/a5d65d371cf11829be290ded996bf977/image12_57_35.png button, and select **RDP**. you can see your RDP connection details.



**Windows PC**: 

* If you are a windows user, download the RDP file from the button **Download RDP File**.
* Connect to your virtual machine with your administrator username and password which you entered while creating the virtual machine.



**Linux or MAC PC**:

If you are using a Linux or *MAC*PC, you need to [download RDP software](https://docs.microsoft.com/en-us/windows-server/remote/remote-desktop-services/clients/remote-desktop-clients) and install it.

Once installed open the software and click on **Add PC.**

Connect your virtual machine using public IP Address and click on **Add**.

Right-click and open the PC, Enter *username* and *password*in the pop-up and click on Continue in all further popups.

After successful login on the virtual machine, wait until Windows boots and is ready to use.

If you see this message **Do you want to allow your PC to be discoverable by other PCs and devices on this network?** Just click on **Yes**.

Now your virtual machine is ready to use and you can look around inside the new Windows Virtual Machine.



### ****Do You Know?****

RDP (Remote Desktop Protocol) is that it was originally developed by Microsoft and introduced in the late 1990s as a way to allow remote access to Windows-based computers.