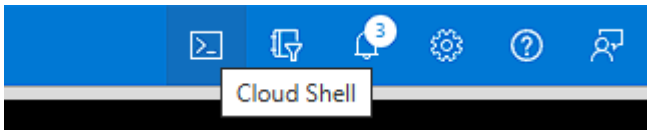
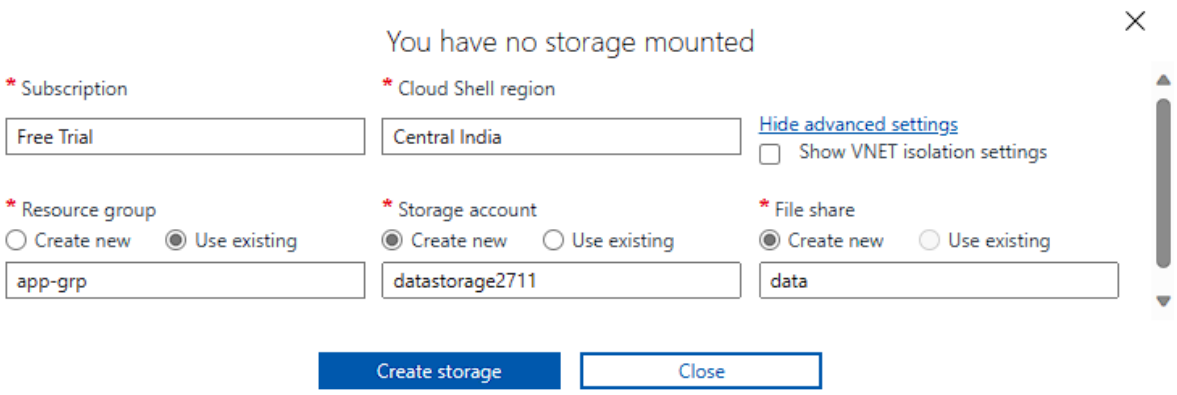
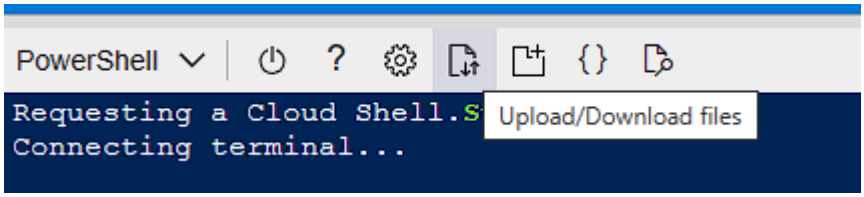
😊 LAB: AZURE CONTAINER GROUPS

- Now, in this lab, I want to go through Azure container groups. This is actually using Azure Container, the instance service. But what you can do is, you have the ability to actually deploy multiple containers as part of a group.
- What we're going to do is, it is actually going to deploy our container that we've seen in the earlier lab. So, early on we had seen how to use the image in our Azure Container registry and then use the Azure container instance to deploy our container. All I'll do now is to basically use Azure CLI commands and something known as a YAML configuration file to deploy an Azure container group.
- Please note, in the end this is just another way in which you can actually deploy your Azure container instance.
- See, there are different ways in which you can actually deploy an Azure container instance and here we're deploying it as part of an Azure container group.
- So, for this, on the top of your screen you will see this icon of cloud shell.
- Open this and then create a storage there, choose your existing resource.
- Once you are in the cloud shell, then you need to deploy a deployment file.
- **You can get the deployment file from GitHub.**





- Once you are in the cloud shell click on this icon and upload your file.
- Then you need to write a command to create your container group.
- Below is the command that you need to use.
- **az container create --resource-group container-grp --file appdeployment.yml**




```
az container create --resource-group app-grp --file appdeployment.yml
```

- **FOR THE DEPLOYMENT FILE BELOW IS THE CODE SO THAT YOU CAN ALSO CREATE THE FILE.**

```
apiVersion: 2019-12-01
location: northeurope
name: AppGroup
properties:
 containers:
 - name: app
   properties:
    image: appregistry10002313.azurecr.io/myapp:latest
    resources:
     requests:
      cpu: 1
      memoryInGb: 1.5
    ports:
    - port: 80
 osType: Linux
 ipAddress:
  type: Public
  ports:
  - protocol: tcp
    port: 80
 imageRegistryCredentials:
  - server: appregistry10002313.azurecr.io
    username: appregistry10002313
```

password: RGhhcWieDFffTCZ2DPYe=QEDqKr4NGbI

type: Microsoft.ContainerInstance/containerGroups

- Once the execution of your command is complete.
- Then go to all resources or to the resource group, which you have used to create that container group.
- You will see that a container with name of app-group or what you will give it is there in the resources.

- Open this container group then copy its IP address and paste it in a new tab.
- You will see homepage of your application.