Lab 6: Azure Container Instance

Objective

1. Create an Azure Container Instance
2. Create a sample local Web project
3. Create a Repo on GitHub and push the local code

Note:

1. Steps to log into VM (Each participant will have a separate user/pwd)
    a. Open in a private window https://training.datacouch.io/pluralsight
    b. Enter the provided username and password.

    All the following steps are to be done within the Virtual Machine.

    c. Steps to Log into Azure Portal (4-5 participants will be in each group)
        i. Go to https://portal.azure.com
        ii. Login with the supplied credentials (username and password).
            1. Each group has a unique integer for their login [1-4] eg. **usergroup[1-4]** that will remain same for the duration of the course.
            2. Complete username and Password will be provided in the class.
            3. Each usergroup has an associated resource group which is **rg-usergroup[1-4]**

Section 1: Create an Azure Container Instance

Steps

1. Login into the Virtual Machine
2. Go to you GitHub repo
3. Go to Actions and click on **"New workflow"** and click on **"set up a workflow yourself"**
4. Rename the file as **"Azureaci.yml"** and copy and paste the below contents and commit and save the file.

    Please change the **<acr name>** to the name of your registry

```
on: [workflow_dispatch]

name: AzureACI

jobs:
```

```
  createaci:
    runs-on: ubuntu-latest
    steps:
      - name: Login to Azure
        uses: azure/login@v1
        with:
          creds: '${{ secrets.AZURE_CREDENTIALS }}'
      - name: Create ACI
        uses: azure/CLI@v1
        with:
          azcliversion: latest
          inlineScript: |
            echo "Create an Azure Container Instance"
            az container create -g ${{vars.RG_NAME}} --name mycontainerinstance --image <acr
name>.azurecr.io/nginx:mycopy --registry-password ${{secrets.ACR_PWD}} --registry-username <acr
name> --ip-address public --dns-name-label <acr name>
```

5. We have configured this workflow to run manually. Click on Actions again. Then click on the workflow name "**AzureACI**" and click on **"Run workflow**".
6. This will create a container instance named "mycontainerinstance" under your resource group.
7. Go to Azure portal and type "Container Instances" under Search. Click on the newly created instance.
8. Copy the value of the FQDN and paste it in a browser tab. The page will load in some time and you should see the default nginx welcome message. (Try with http:// if it gives an error)

End of Lab.