Multi container
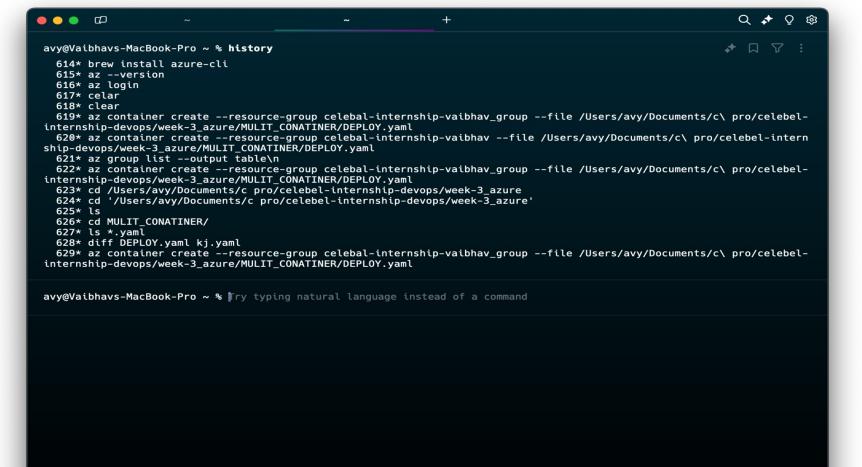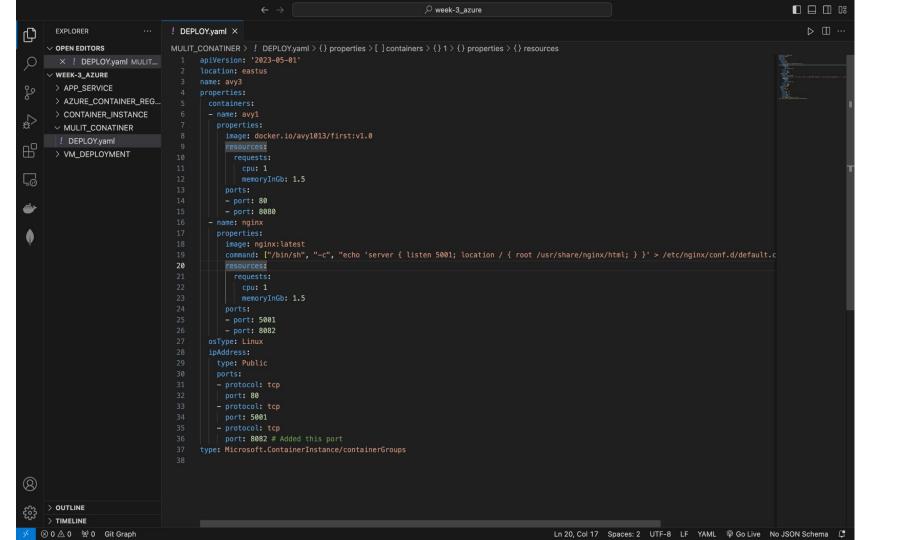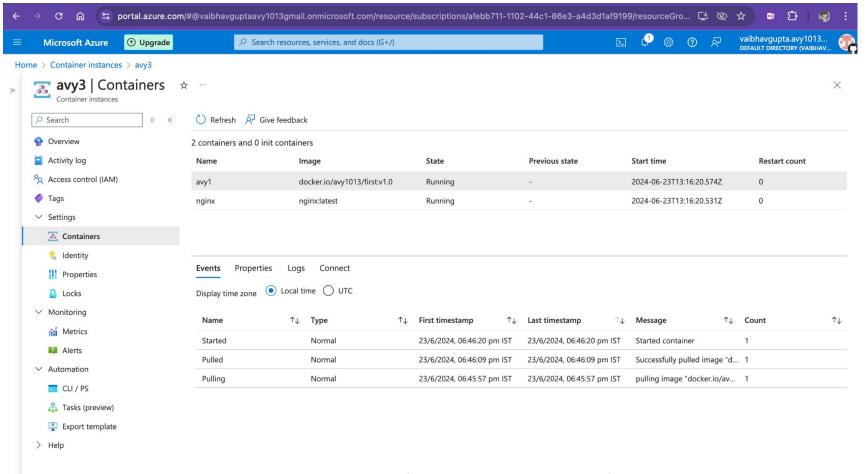
Hwo to host multi container in one ACI

Steps

1. Best done on azure cli
2. Install azure cli
3. Create a resource group
4. Create a deployment file(yaml)
5. Create the container according to the file
6. Inspect the functionalities

```
avy@Vaibhavs-MacBook-Pro ~ % history
  614* brew install azure-cli
  615* az --version
  616* az login
  617* celar
  618* clear
  619* az container create --resource-group celebal-internship-vaibhav_group --file /Users/avy/Documents/c\ pro/celebel-
internship-devops/week-3_azure/MULIT_CONATINER/DEPLOY.yaml
  620* az container create --resource-group celebal-internship-vaibhav --file /Users/avy/Documents/c\ pro/celebel-intern
ship-devops/week-3_azure/MULIT_CONATINER/DEPLOY.yaml
  621* az group list --output table\n
  622* az container create --resource-group celebal-internship-vaibhav_group --file /Users/avy/Documents/c\ pro/celebel-
internship-devops/week-3_azure/MULIT_CONATINER/DEPLOY.yaml
  623* cd /Users/avy/Documents/c pro/celebel-internship-devops/week-3_azure
  624* cd '/Users/avy/Documents/c pro/celebel-internship-devops/week-3_azure'
  625* ls
  626* cd MULIT_CONATINER/
  627* ls *.yaml
  628* diff DEPLOY.yaml kj.yaml
  629* az container create --resource-group celebal-internship-vaibhav_group --file /Users/avy/Documents/c\ pro/celebel-
internship-devops/week-3_azure/MULIT_CONATINER/DEPLOY.yaml

avy@Vaibhavs-MacBook-Pro ~ % Try typing natural language instead of a command
```

```yaml
apiVersion: '2023-05-01'
location: eastus
name: avy3
properties:
  containers:
  - name: avy1
    properties:
      image: docker.io/avy1013/first:v1.0
      resources:
        requests:
          cpu: 1
          memoryInGb: 1.5
      ports:
      - port: 80
      - port: 8080
  - name: nginx
    properties:
      image: nginx:latest
      command: ["/bin/sh", "-c", "echo 'server { listen 5001; location / { root /usr/share/nginx/html; } }' > /etc/nginx/conf.d/default.c
      resources:
        requests:
          cpu: 1
          memoryInGb: 1.5
      ports:
      - port: 5001
      - port: 8082
  osType: Linux
  ipAddress:
    type: Public
    ports:
    - protocol: tcp
      port: 80
    - protocol: tcp
      port: 5001
    - protocol: tcp
      port: 8082 # Added this port
type: Microsoft.ContainerInstance/containerGroups
```

Microsoft Azure   ① Upgrade   🔍 Search resources, services, and docs (G+/)   vaibhavgupta.avy1013...
                                                                                              DEFAULT DIRECTORY (VAIBHAV...

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avy3 | Containers ☆ ···
Container instances

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2 containers and 0 init containers

Name	Image	State	Previous state	Start time	Restart count
avy1	docker.io/avy1013/first:v1.0	Running	-	2024-06-23T13:16:20.574Z	0
nginx	nginx:latest	Running	-	2024-06-23T13:16:20.531Z	0

Events   Properties   Logs   Connect

Display time zone ⦿ Local time ○ UTC

Name	Type	First timestamp	Last timestamp	Message	Count
Started	Normal	23/6/2024, 06:46:20 pm IST	23/6/2024, 06:46:20 pm IST	Started container	1
Pulled	Normal	23/6/2024, 06:46:09 pm IST	23/6/2024, 06:46:09 pm IST	Successfully pulled image "d...	1
Pulling	Normal	23/6/2024, 06:45:57 pm IST	23/6/2024, 06:45:57 pm IST	pulling image "docker.io/av...	1

Two containers are running

Two container deployed on same ip with different ports on same container instance