Deploy Azure Container Instances

Introduction:

In this walkthrough we create, configure, and deploy a Docker container to Azure Container Instances (ACI) in the Azure Portal. The container is a Welcome to ACI web application that displays a static HTML page.

Task 1: Create a container instance

1- Sign into the Azure portal https://portal.azure.com at the following link using the username and password provided by the instructor.

2- From the All services blade, search for and select Container instances and then click + Add, + Create, + New.

3- Provide the following Basic details for the new container instance (leave the defaults for everything else):

Setting	Value
Subscription	CloudShare4
Resource group	myRGContainer-V7DQ6QSVOS
Container name	mycontainerxxxx
Region	(US) East US
Image source	Docker Hub or other registry
Image type	Public
Image	mcr.microsoft.com/azuredocs/aci-helloworld
OS type	Linux
Size	*Leave at the default*

4- Click Next: Networking > and configure the Networking tab (replace xxxx with letters and digits such that the name is globally unique). Leave all other settings at their default values.

Note: Your container will be publicly reachable at dns-name-label.region.azurecontainer.io. If you receive a DNS name label not available error message following the deployment, specify a different DNS name label and re-deploy.

Setting	Value
DNS name label	mycontainerdnsxxxx

5- Click Review + Create to start the automatic validation process.

6- Click Create to create the container instance.

7- Monitor the deployment page and the Notifications page.

8- While you wait you may be interested in viewing the sample code behind this simple application at the following link (Browse the \app folder) :
https://github.com/Azure-Samples/aci-helloworld

Task 2: Verify deployment of the container instance

In this task, we verify that the container instance is running by ensuring that the welcome page displays.

1- After the deployment is complete, click the Go to resource link the deployment blade or the link to the resource in the Notification area.

2- On the Overview blade of mycontainer, ensure your container Status is Running.

3- Locate the Fully Qualified Domain Name (FQDN).

4- Copy the container's FQDN into the URL text box web browser and press Enter. The Welcome page should display.

Congratulations! You have now completed this lab. You can safely end your lab.