



Demo: Deploy Azure Container Instances

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Aim: In this lab we will walk through the steps to create, configure, and deploy a container by using Azure Container Instances (ACI) in the Azure Portal. The container is a Welcome to Azure Container Instance web application that displays a static HTML page.

Some Useful Link:

- Azure free Tier account creation: <https://azure.microsoft.com/en-us/free/>
- Azure Portal: <https://portal.azure.com/#home>
- Service Categories: <https://azure.microsoft.com/services/>
- Designing a Solution: <https://docs.microsoft.com/azure/architecture/>
- Azure Quickstart Templates: <https://azure.microsoft.com/en-in/resources/templates/>

Introduction

What is Azure Container Instance?

- Azure Container Instances (ACI) is a managed service that allows you to run containers directly on the Microsoft Azure public cloud, without requiring the use of virtual machines (VMs).
- Run Docker containers on-demand in a managed, serverless Azure environment. Azure Container Instances is a solution for any scenario that can operate in isolated containers, without orchestration. Run event-driven applications, quickly deploy from your container development pipelines, and run data processing and build jobs.

Instructions:

Task 1: Create a Container Instance

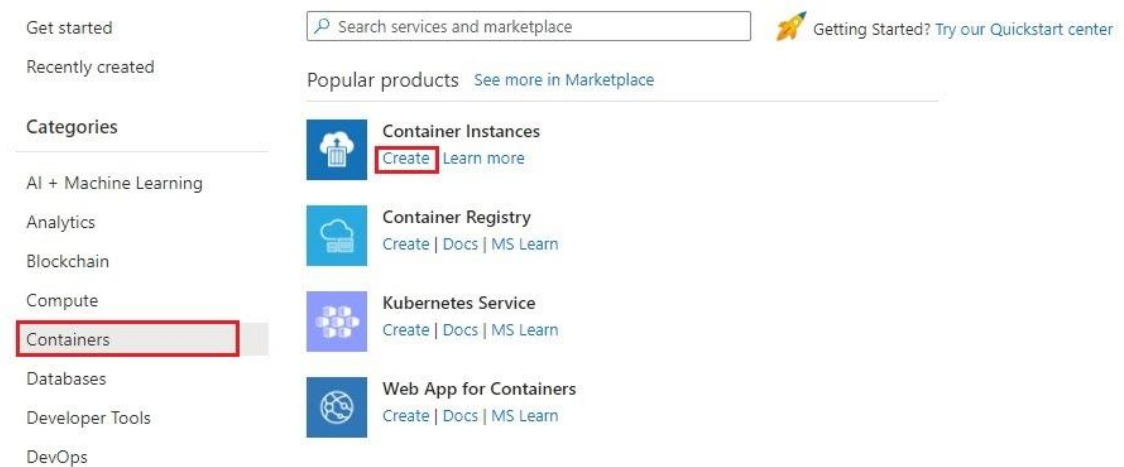
1. On the Azure portal menu or from the Home page, select **Create a resource**.



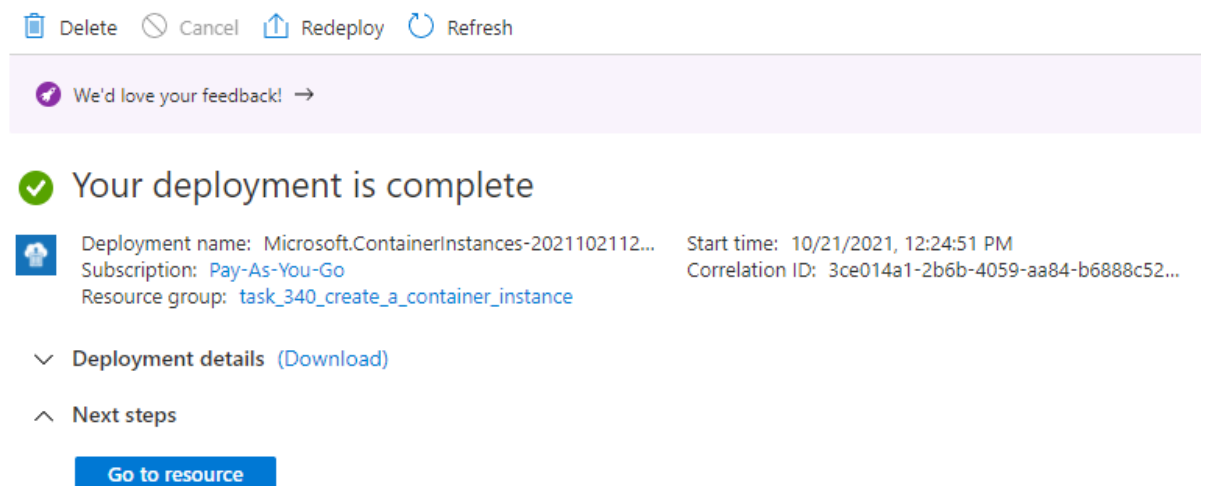
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2. In the **Categories** select **Container** and then Click on **Create** under **Container Instance**

Create a resource ...



3. Fill out the **Create Container Instance** basic details form with the following information
 - Resource group: Create containerrg
 - Container name: Enter **mycontainer**
 - Image source: Select **Docker Hub or other registry**
 - Image: Enter **mcr.microsoft.com/azuredocs/aci-helloworld**
 - Leave the other option as default
4. Click on Networking from the top and enter the below information
 - DNS Name label: Enter **mycontainerdns141**
 - Leave the other option as default
5. Click on **Review + create** and then click on **Create**
6. Wait for few minutes for the deployment to get complete



Task 2: Verify deployment of the Container Instance


1. Click on **Go to resource**

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2. Copy the IP address(Public)

Start Restart Stop Delete Refresh

^ Essentials

Resource group (Move)	: task_340_create_a_container_instance	OS type	: Linux
Status	: Running	IP address (Public)	: 20.109.225.60 
Location	: Central US	FQDN	: ---
Subscription (Move)	: Pay-As-You-Go	Container count	: 1
Subscription ID	: dbd22fe4-583d-4d73-935d-2575fc867e31		
Tags (Edit)	: Click here to add tags		

3. Open a new tap and paste the IP address and click enter and you are able to see that the application is deployed on a container instance.

Welcome to Azure Container Instances!



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