

03 - Deploy Azure Container Instances

In this walkthrough we create, configure, and deploy a Docker container by using 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 (10 min)

In this task, we will create a new container instance for the web application.

1. Sign in to the [Azure portal](#).
2. From the **All services** blade, search for and select **Container instances** and then click + **Add**.
3. Provide the following Basic details for the new container instance (leave the defaults for everything else):

Setting	Value
Subscription	Choose your subscription
Resource group	myRGContainer (create new)
Container name	mycontainer
Region	(US) East US
Image source	Docker Hub or other registry
Image type	Public
Image	microsoft/aci-helloworld
OS type	Linux
Size	Leave at the default

4. 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 .

Setting	Value
DNS name label	mycontainerdnsxxxx

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 (don't use xxxx) and re-deploy.

Create container instance

Basics Networking Advanced Tags Review + create

You can configure networking settings for your container, such as ports and protocols as well as a DNS name label. If you choose not to include a public IP address, you will still be able to access your container and logs using the command line. [Learn more about Azure Container Instances networking](#)

Include public IP address ☒ Yes ☐ No

Ports ⓘ

Ports	Ports protocol
80	TCP
<input type="text"/>	<input type="text"/>

DNS name label ⓘ

mycontainerces

.eastus.azurecontainer.io

5. Click **Review and 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](#). Browse the \app folder.

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).

► Start ↺ Restart ■ Stop 🗑 Delete ↻ Refresh

Resource group (change) :	myResourceGroup	OS type :	Linux
Status :	Running	IP address :	52.255.223.57
Location :	East US	FQDN :	mycontainerces.eastus.azurecontainer.io
Subscription (change) :	Visual Studio Enterprise	Container count :	1
Subscription ID :	aa509d92-2cc7-4eb9-9ae9-db02c24e057d		
Tags (change) :	Click here to add tags		

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



Note: You could also use the container IP address in your browser.

Congratulations! You have used Azure Portal to successfully deploy an application to a container in Azure Container Instance.

Note: To avoid additional costs, you can remove this resource group. Search for resource groups, click your resource group, and then click **Delete resource group**. Verify the name of the resource group and then click **Delete**. Monitor the **Notifications** to see how the delete is proceeding.