

# Deploy Azure Container Instances (ACI) in Azure Portal

## Use Case:

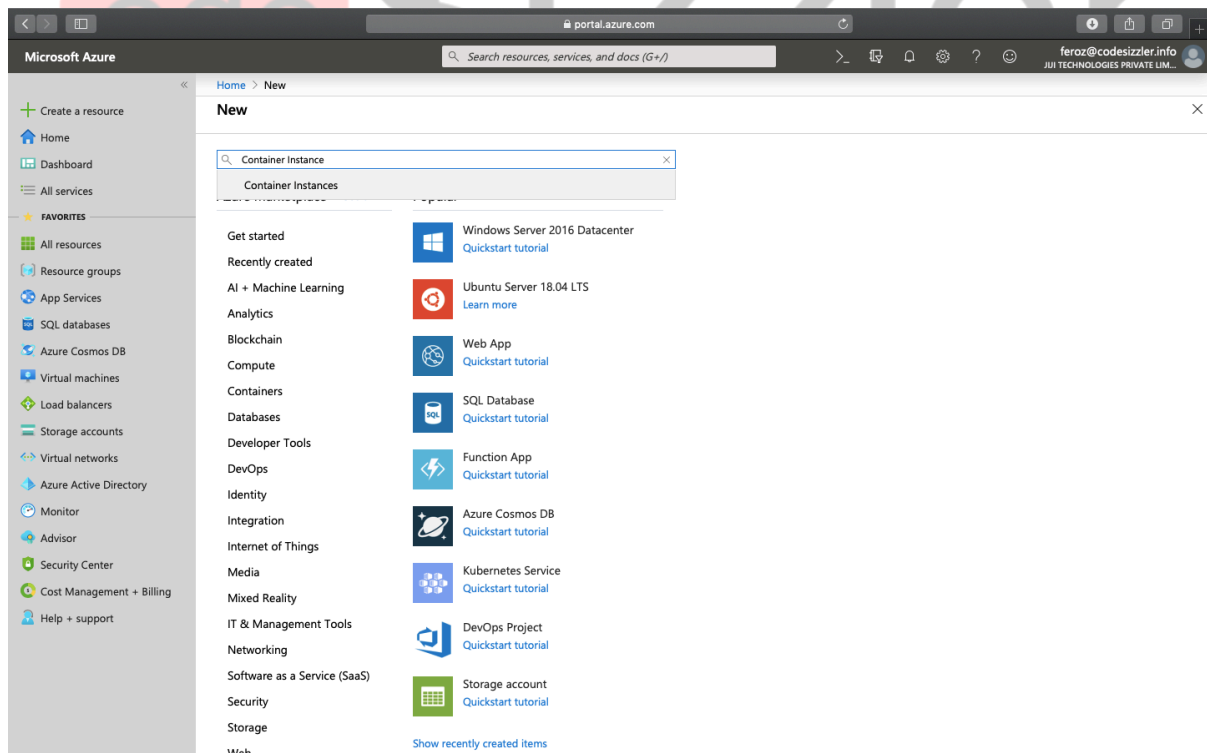
In this walkthrough, you will create, configure, and deploy a Docker container to *Azure Container Instances* (ACI) in Azure Portal. The container is created from an image template called *microsoft/aci-helloworld*. The image packages a small web application, written in Node.js, and serves a static HTML page.

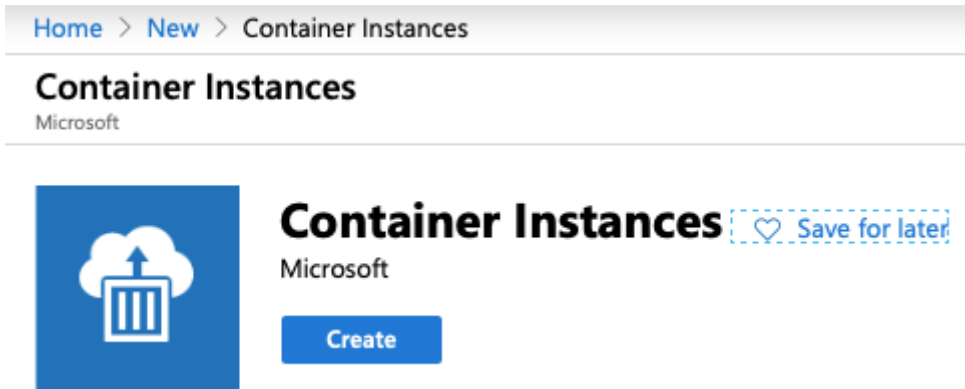
## Prerequisites:

An active Azure subscription is required. If you do not have an Azure subscription, create a [free Azure account](#) before you begin.

## Steps:

1. Create a new Azure Container Instance, sign in to the Azure Portal and locate the Azure Container Instance service, then select **Create**, or alternatively, click on the **Deploy to Azure** button to go to the url <https://portal.azure.com/#create/microsoft.containerinstances> and when prompted, sign into Azure Portal.





2. Provide the following basic details for the new container instance. The UI you encounter may be slightly different compared to the screenshots in this walkthrough, depending on if you accessed the Create New Container Instance via the Azure portal or via the Deploy to Azure button above, however the details provided will be the same.

- **Subscription:** Choose your subscription.

Subscription \* ⓘ Visual Studio Enterprise – MPN

- **Resource group:** Select **Create new**, then type myResourceGroup, and select **OK**.

Resource group \* ⓘ Select existing... Create new

#### Inner details

Inner name \* ⓘ

1 \* ⓘ

type \* ⓘ

name \* ⓘ

ie \*

A resource group is a container that holds related resources for an Azure solution.

Name \*

az900-rg

OK

Cancel

- **Location:** Use the dropdown to choose the Azure region that is closest to you.

Region \* ⓘ (Asia Pacific) South India

- **Container name:** codesizzleraci

#### Container details

Container name \* ⓘ

codesizzleraci

- **Container image type:** Public

Image type \* ⓘ

☒ Public ☐ Private

- **Container image:** microsoft/aci-helloworld

Image name \* ⓘ

microsoft/aci-helloworld ✓

- **OS type:** Select the OS platform on which you want to run the container instance(Windows)

OS type \*

☐ Linux ☒ Windows

- **Size:** Select the size for your container instance

Size \* ⓘ

1 vcpu, 1.5 GiB memory, 0 gpus

[Change size](#)

- Press the **OK** button.

### 3. Networking:


- **Include Public IP Address** – Select the option for adding a public IP address(Yes)

Include public IP address

☒ Yes ☐ No

- **Ports** – Port address can be added for container instance if needed

Ports ⓘ

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

- **DNS name label** – Specify a DNS name label for your container. The DNS name label you specify must be unique within the Azure region where you create the container instance. Your container will be publicly reachable at <http://<dns-name-label>.<region>.azurecontainer.io>. If you receive a DNS name label not available error message, specify a different DNS name label.

DNS name label ⓘ

codesizzler ✓

.southindia.azurecontainer.io

- Leave all other settings in the **Configuration** pane at their default values.

- Select **Review + Create** to start the automatic validation process.

**Review + create**

4. When the validation process has passed, review the configuration summary, and select the **OK** button to begin deploying the container.

## Create container instance

✓ Validation passed

**Basics**   **Networking**   **Advanced**   **Tags**   **Review + create**

### Basics

Subscription	Visual Studio Enterprise – MPN
Resource group	(new) az900-rg
Region	(Asia Pacific) South India
Container name	codesizzleraci
Image type	Public
Image name	microsoft/aci-helloworld
OS type	Windows
Memory (GiB)	1.5
Number of CPU cores	1
GPU type	None
Number of GPU cores	0

### Networking

Include public IP address	Yes
Ports	80 (TCP)
DNS name label	codesizzler

### Advanced

Restart policy	On failure
Command override	[]

### Tags

(none)

**Create**

< Previous

Next >

[Download a template for automation](#)

5. When the deployment starts, a notification appears in Azure Portal indicating the deployment is in progress. Another notification is displayed when the container

deployment has completed successfully. Wait for the deployment succeeded notification before going to Step 6.

## ✓ Your deployment is complete



Deployment name: Microsoft.ContainerInstances-20191024194052  
Subscription: [Visual Studio Enterprise](#)  
Resource group: [az900-rg](#)

Start time: 10/24/2019, 7:44:26 PM

Correlation ID: d4fbf0fd-30cb-4440-a119-cf4df95b16cd

✓ Deployment details ([Download](#))

^ Next steps

[Go to resource](#)

6. Obtain the Fully Qualified Domain Name (FQDN), in Azure Portal, by opening the **Overview** pane for the container group and navigating to **Resource Groups > myResourceGroup > mycontainer**. Make a note of the **FQDN** of the container instance, as well its **Status**.

Search (Cmd+/)

Start Restart Stop Delete Refresh

Overview

Activity log

Access control (IAM)

Tags

Settings

Containers

Resource group (change) : az900-rg

Status : Running

Location : South India

Subscription (change) : Visual Studio Enterprise

Subscription ID :

Tags (change) : Click here to add tags

OS type : Linux

IP address : 40.81.73.14

FQDN : ---

Container count : 1

7. When the Status value of the container instance is Running, navigate to the container's FQDN in a web browser.

Note: You can also navigate to the container's IP address in your browser. You can obtain the IP address by following Step 6, and making a note of the IP address instead of the FQDN.