

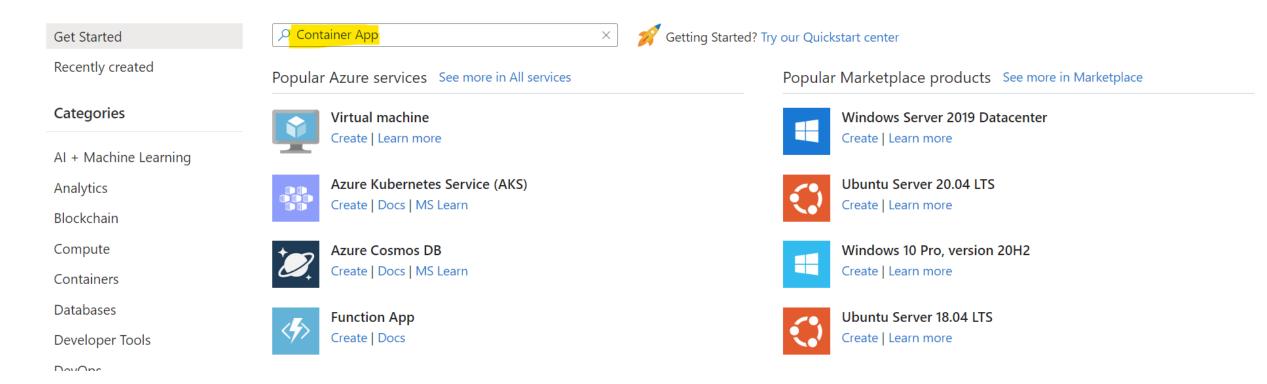
Instructions:

Go to https://portal.azure.com and login

In the Azure Portal, click on [+ Create a Resource]

Home >

Create a resource



Instructions:

Type in "Container App" and choose "Container App" as it appears in the type ahead suggestion drop down.

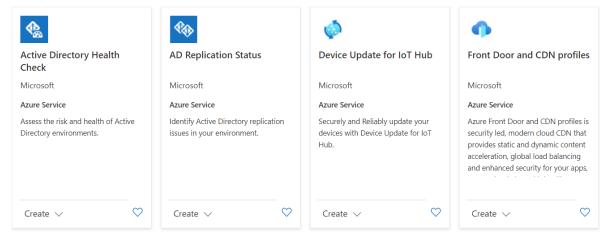


Microsoft



Azure Container Apps is built on the foundation of powerful open-source technology in the Kubernetes ecosystem and abstracts the overhead of infrastructure management and orchestration. Azure Container Apps is a great choice for microservices, APIs, event processing, long running background jobs, and more.

More products from Microsoft See All



Instructions: Click [Create]

Home > Create a resource > Container App >

Create Container App

Basics App settings Tags	Review + create	
	ed apps that scale on demand without requiring you to manage cloud infrastru ir first app. Select existing resources, or create them now. Learn more	ucture. You'll need a
Project details		
Select a subscription to manage deplo	oyed resources and costs. Use resource groups like folders to organize and ma	nage all your resources.
Subscription *		<u> </u>
Resource group *	rg-spt-aca-hol Create new	V
Container app name *	aca-hol-demo	
Container Apps Environment		
The environment is a secure boundary network, logging, and Dapr. Containe	y around one or more container apps that can communicate with each other arr Apps Pricing	nd share a virtual
Region *	East US	~
Container Apps Environment *	Create new	~
	create new	
Povious + create	Novt : Ann cettings	

Instructions:

Project Details

Choose the [Subscription] you would like to use. It is recommended that you create a new resource group so fill in a name and create a new resource group by clicking on the [Create New] hyperlink. Provide a [Container app name] of your choice e.g. aca-hol-demo

Container Apps Environment

Choose the [Region] you want to deploy to from the drop-down of available regions.

As it is the first time, click on the [Create new] hyperlink to create a new [Container Apps Environment]

Note: An environment in Azure Container Apps creates a secure boundary around a group of container apps. Container Apps deployed to the same environment are deployed in the same virtual network and write logs to the same Log Analytics workspace.

Create Container Apps Environment

Create

Cancel

Basics Monitoring Networking	
The environment is a secure boundary arou share a virtual network, logging, and Dapr.	nd one or more container apps that can communicate with each other and Learn more ರೌ
Environment details	
Environment name *	env-aca-hol 🗸
Zone redundancy	
	yed as a zone redundant service in the regions that support it. This is a ake Container App Environment zone redundant after it has been deployed.
Zone redundancy *	Disabled: Your Container App Environment and the apps in it will not be zone redundant.
	■ Enabled: Your Container App Environment and the apps in it will be zone redundant. This requieres vNet integration.

Instructions:

As depicted in the adjoining image – you will be in > [Create Container Apps Environment - Basics] tab

Environment details

Provide an [Environment name]

Zone Redundancy (ZR) - The decision to make this Container App Environment - zone redundant is to be made at deployment time. The Container App Environment cannot be made zone redundant If NOT deployed as zone redundant at the time of creation. For Lab 1 - let us leave [Zone redundancy] as [Disabled]

Create Container Apps Environment

Basics Monitoring	Networking	
Your Log Analytics workspa	ace will contain all your application logs. Learn more ♂	
Log analytics		
Log Analytics workspace *	(New) workspacergsptacahola728	~
	Create new	

Create Cancel

Instructions:

As depicted in the adjoining image – go to the>
[Create Container Apps Environment - Monitoring] tab

A [Log Analytics workspace] name is pre-populated for you. You can choose to [Create new] using the link.

Create Container Apps Environment

Basics Monitoring Networking

Selecting your own virtual network allows you to connect your application to other Azure resources or on-premises systems through the same network. Learn more

Virtual network

Use your own virtual network

No Yes



Instructions:

As depicted in the adjoining image – go to the>
[Create Container Apps Environment - Networking] tab

Virtual Network

For Lab 1 - we are not going to choose own virtual network (VNet).

But for looking at and learning a bit more - choose [Yes] just to make a note of this part for when you create a container app environment beyond this lab - that you get to choose an existing VNet or [Create new].

And then observe the menu to provide the [Infrastructure subnet] range.

The choice to have the Virtual IP as [Internal] only with the endpoint being an internal load balancer [OR] to expose the apps on an internet accessible IP address is also made here.

Now, revert to choosing [No] and click [Create]

Create Container App

Basics App settings Tags Rev	iew + create			
Select a quickstart image for your container	, or deselect quickstart image to use an existing container.			
Use quickstart image				
Container details				
You can change these settings after creating	g the Container App.			
Name *	aca-demo			
Image source	Azure Container Registry			
	Docker Hub or other registries			
Image type	Public			
	Private			
Registry login server * ①	docker.io			
Image and tag *				
OS type	Linux			
Command override ①	Example: /bin/bash, -c, echo hello; sleep 100000			
Container resource allocation				
CPU and Memory *	0.25 CPU cores, 0.5 Gi memory			
Environment variables				
+ Add				

Instructions:

As depicted in the adjoining image – go to the>
[Create Container App - App Settings] tab

Uncheck the [Use quickstart image] check-box as we want to deploy our own sample app; the container image of our app is in the public Docker Hub.

[Container details]

[Name] Provide a name for the container [Image Source] Select [Docker Hub or other registries]

[Image type] Ensure [Public] is selected

[Registry login server] can be retained as [docker.io]

[Image and tag] Enter the value - dockerr10n/aca-lab1-image:green

[Container resource allocation] - For this lab retain the default first value but observe that there is a set of choices that can be made based on your container's CPU and memory requirements.

The instructions assume you are going to use the public Docker registry provided for the lab and the container images in the registry. If you are going to use a different registry or an Azure Container Registry – you would have to select the respective options and provide the values accordingly.

Application ingress settings

	Enable ingress	for	applications	that	need	an	HT	TP	endpoin	t.
--	----------------	-----	--------------	------	------	----	----	----	---------	----

Ingress (i)	✓ Enabled
Ingress traffic	Limited to Container Apps Environment
	Limited to VNet: Applies if 'internalOnly' setting is set to true on the Container Apps environment
	Accepting traffic from anywhere: Applies if 'internalOnly' setting is set to false on the Container Apps environment
Ingress type	HTTP
	<u>Стер</u>
Transport	Auto
Insecure connections	Allowed
Target port * (i)	80

Instructions:

Stay on the same tab →

[Create Container App - App Settings] tab

<u>Scroll down</u> on the same tab and you will see ->

Application ingress settings

[Ingress] - Check/ enable the checkbox

[Ingress traffic] - Select the [Accepting traffic from anywhere] button.

[Ingress type] – Ensure [HTTP] is selected

[Target port] - Enter 80

Create Container App



Container Apps Environment

Region eastus

Container Apps Environment managedEnvironment-rgsptacahol-8225

rg-spt-aca-hol aca-hol-demo

App settings

Resource group

Name

Name aca-hol-demo

Image source Public
Registry login server docker.io

Image and tag dockerr10n/aca-lab1-image:green

OS type Linux

Command

Number of CPU cores 0.25

Memory size (Gi) 0.5

Ingress settings Accepting traffic from anywhere

Ingress type HTTP
Transport Auto

Insecure connections Not allowed

Port 80

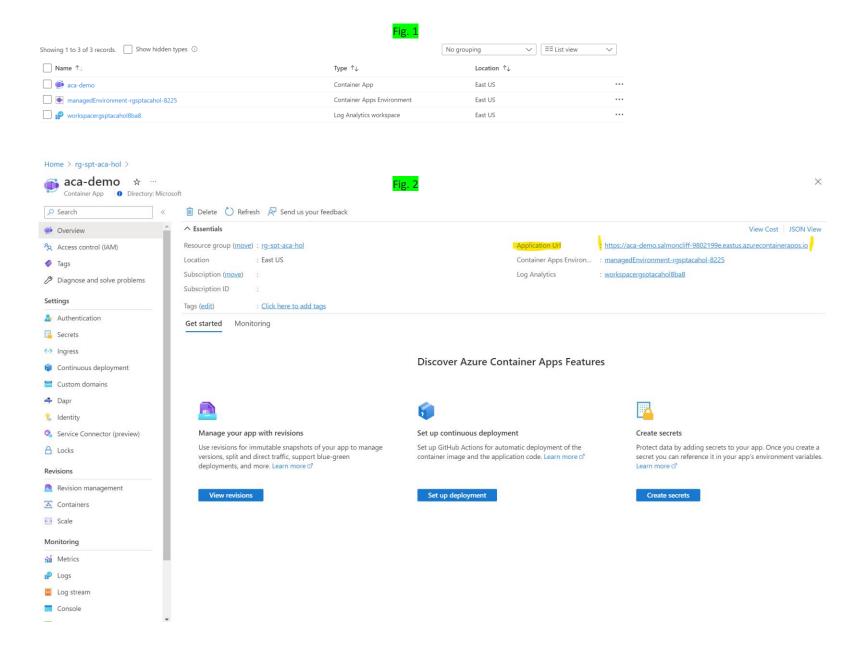
Create <

< Previous Next

Download a template for automation

Instructions:

Click through [Next: Tags] and then go to [Next: Review + create >] and click on [Create]



Instructions:

- 1. In your resource group observe that the 3 resource types depicted in the [Fig. 1] are created.
- **2.** Click on the **[Container App]** resource; observe the **Application URI** and click on it as depicted in [Fig.2]



Instructions:

After you click the Application URI - you should see the above displayed in your browser. This is the expected result – you have now created the sample app!

Please go to the Lab instructions in the GitHub repo for the next steps.