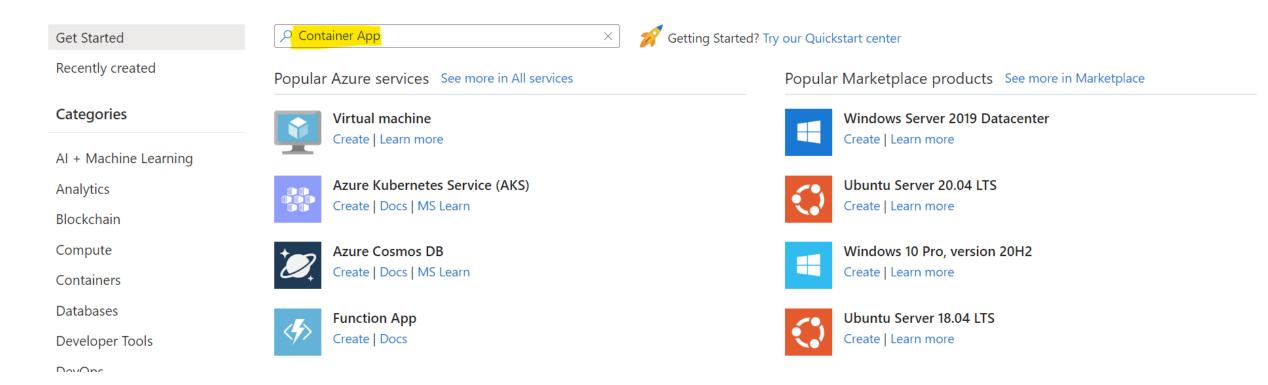
Home >

Create a resource



Instructions:

In the Azure Portal, click on [+ Create a Resource] and type in "Container App"

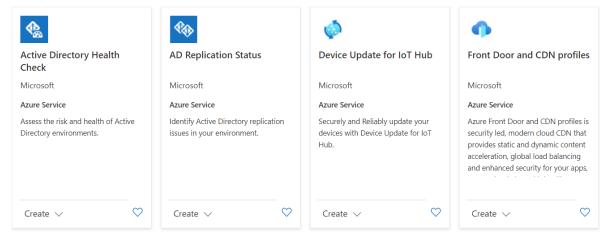


Microsoft



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]

Basics	Ann settings	Tags	Review + create

Azure Container Apps are containerized apps that scale on demand without requiring you to manage cloud infrastructure. You'll need a container and an environment for your first app. Select existing resources, or create them now. Learn more

Project details

Select a subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription *		~
Resource group *	rg-spt-aca-hol	~
	Create new	
Container app name *	aca-hol-demo	

Container Apps Environment

The environment is a secure boundary around one or more container apps that can communicate with each other and share a virtual network, logging, and Dapr. Container Apps Pricing

Region *	East US	~
Container Apps Environment *		~
	Create new	

Review + create	< Previous	Next : App settings >

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

Basics Monitoring Network	king
The environment is a secure bounda share a virtual network, logging, and	ry around one or more container apps that can communicate with each other and I Dapr. Learn more ਟਾੋ
Environment details	
Environment name *	env-aca-hol 🗸
Zone redundancy	
	e deployed as a zone redundant service in the regions that support it. This is a can't make 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:

[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]

Cancel

Create

Create Container Apps Environment ...

Basics Monitor	ing Networking	Networking				
Your Log Analytics v	vorkspace will contai	in all your application logs. Learn more ♂				
Log analytics						
Log Analytics workspace *		(New) workspacergsptacahola728	~			
		Create new				

Create Cancel

Instructions:

[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

Create Cancel

Instructions:

[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	Review + create	
Select a c	quickstart image for	your cont	tainer, or deselect quickstart image to use an existing container.	
Use quicl	kstart image			
Contain	er details			
You can o	change these setting	gs after cre	eating the Container App.	
Name *			aca-demo	
Image so	ource		Azure Container Registry	
			Docker Hub or other registries	
Image ty	ре		Public	
			Private	
Registry l	login server * (i)		docker.io	
lmage an	nd tag *			
OS type			Linux	
Comman	d override (i)		Example: /bin/bash, -c, echo hello; sleep 100000	
Contain	er resource alloca	tion		
CPU and	Memory *		0.25 CPU cores, 0.5 Gi memory	V
Environr	ment variables			
+ Add	d			

Instructions:

[Create Container Apps Environment - 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] Select [Public]

[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.

Application ingress settings

[HTTP Ingress] - Check/ enable the checkbox

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

[Target port] - Enter 80

Home > Create a resource > Container App >

Create Container App



Project details

Subscription

Resource group rg-spt-aca-hol
Name aca-hol-demo

Container Apps Environment

Region eastus

Container Apps Environment managedEnvironment-rgsptacahol-8225

App settings

Name aca-demo
Image source Public
Registry login server docker.io

Image and tag dockerr10n/aca-hol-image:A

OS type Linux

Command

Number of CPU cores 0.25

Memory size (Gi) 0.5

Ingress settings Accepting traffic from anywhere

Port 80

Create

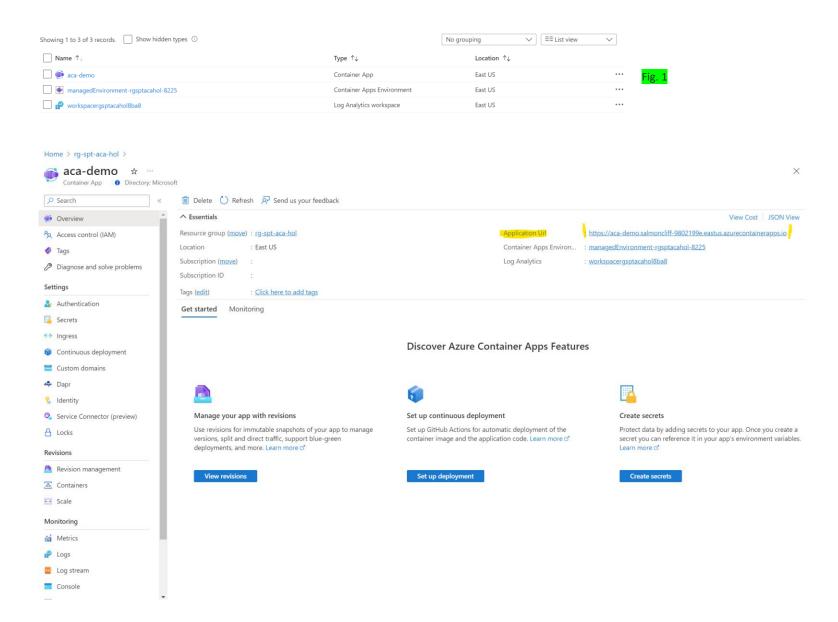
< Previous

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 and observe the Application URI and click on it.



Instructions:

After you click the Application URI - you should see the above displayed in your browser