

Container Apps workload profile

At the end, containers will run on virtual machines.

What is the **size/SKU** of these VMs ?

Well, you can **choose the best for you !**

The screenshot shows the 'Workload profiles' section of the Azure Container Apps environment 'cae-lzaaca-udr-dev-neu'. The left sidebar includes links for Overview, Activity log, Access control (IAM), Tags, Settings (Dapr components, Certificates), and Workload profiles. The main area displays three workload profiles:

Workload profile	Current instances	Min & Max number of instances	# of Apps
Consumption Up to 4 vCPUs / 8 Gi	-	-	1
w-apps vCPUs: 4, Memory: 8 Gi	0	3 to 15	0
wp-mem-optim vCPUs: 32, Memory: 256 Gi	0	3 to 10	0

Select a workload profile size (Preview)

...

X

Showing 11 workload profile sizes

Name	vCPU	RAM (GiB)	GPUs	Cost per month
General purpose D-series				
Dedicated-D4	4	16	-	224.808 USD
Dedicated-D8	8	32	-	449.616 USD
Dedicated-D16	16	64	-	899.232 USD
Dedicated-D32	32	128	-	1798.463 USD
Memory optimized E-series				
Dedicated-E4	4	32	-	282.951 USD
Dedicated-E8	8	64	-	565.902 USD
Dedicated-E16	16	128	-	1131.804 USD
Dedicated-E32	32	256	-	2263.607 USD
GPU enabled NV A100 v4-series Your subscription does not have access to GPU enabled workload profiles. Request access ↗				
Dedicated-NC24-A100	24	220	1	3861.043 USD
Dedicated-NC48-A100	48	440	2	7722.086 USD
Dedicated-NC96-A100	96	880	4	15444.172 USD

Container Apps workload profile

```
az containerapp env workload-profile list-supported -l northeurope  
--query "[].{Name: name, Cores: properties.cores, MemoryGiB: properties.memoryGiB, Category: properties.category}" -o table
```

Name	Cores	MemoryGiB	Category
D4	4	16	GeneralPurpose
D8	8	32	GeneralPurpose
D16	16	64	GeneralPurpose
D32	32	128	GeneralPurpose
E4	4	32	MemoryOptimized
E8	8	64	MemoryOptimized
E16	16	128	MemoryOptimized
E32	32	256	MemoryOptimized
Consumption	4	8	Consumption
NC24-A100	24	220	GPU-NC-A100
NC48-A100	48	440	GPU-NC-A100
NC96-A100	96	880	GPU-NC-A100

Container Apps workload profile creation

```
az containerapp create -n webapp -g rg-aca --environment aca-environment  
--target-port 80 --ingress external --image nginx:latest  
--environment aca-environment  
--workload-profile-name profile-D16
```

Add workload profile (Preview) ⋮

Dedicated workload profiles enable you to run your apps on custom hardware. You can control costs by adjusting the minimum and maximum workload profile instance count. [Learn more about workload profiles ↗](#)

Workload profile name *

Workload profile size *

Dedicated-D16
16 vCPUs, 64 GiB included
899.232 USD/month
[Change](#)

Autoscaling instance count range *

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