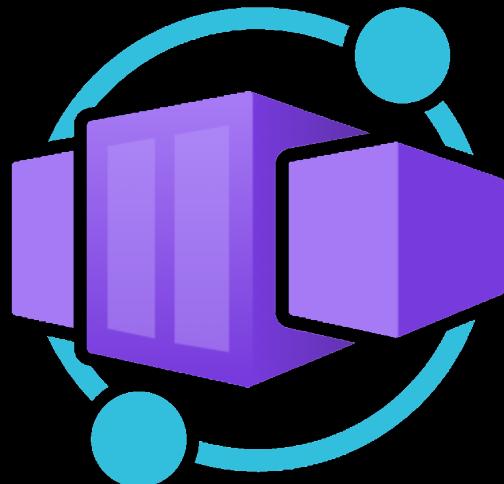


Azure Container Apps Jobs

- Manual trigger
- Scheduled jobs
- Event driven



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Container Apps Jobs

Run containerized tasks that **execute for a finite duration and exit.**

Perform tasks such as data processing, machine learning, or any scenario where **on-demand processing** is required.

Run in the same environment, share capabilities such as networking and logging.

<input type="checkbox"/> Name ↑↓	Type ↑↓
<input type="checkbox"/>  aca-app	Container App
<input type="checkbox"/>  aca-env	Container Apps Environment
<input type="checkbox"/>  aca-job	Container App Job (Preview)
<input type="checkbox"/>  aca-job-scheduled	Container App Job (Preview)
<input type="checkbox"/>  workspace-rgacahLJV	Log Analytics workspace

Container Apps Jobs trigger types

Manual: triggered on-demand.

```
--trigger-type "Manual"
```

Schedule: triggered at specific times and can run repeatedly.

```
--trigger-type "Schedule" --cron-expression "*/* * * * *"
```

Event: triggered by events such as a message arriving in a queue.

```
--trigger-type "Event" --scale-rule-name "queue" --scale-rule-type "azure-queue"
```

```
--scale-rule-metadata "accountName=mystorage" "queueName=myqueue" "queueLength=1"
```

```
--scale-rule-auth "connection=connection-string"
```

```
--secrets "connection-string=<QUEUE_CONN_STRING>"
```

<input type="checkbox"/>	Name ↑↓
<input type="checkbox"/>	 aca-app
<input type="checkbox"/>	 aca-env
<input type="checkbox"/>	 aca-job
<input type="checkbox"/>	 aca-job-scheduled
<input type="checkbox"/>	 workspace-rgacahLJV

Container Apps Jobs creation

```
az containerapp job create `  
  --name $ACA_JOB --resource-group $ACA_RG --environment $ACA_ENVIRONMENT `  
  --trigger-type "Manual" `  
  --image "mcr.microsoft.com/k8se/quickstart-jobs:latest"  
  
az containerapp job start --name $ACA_JOB --resource-group $ACA_RG
```

	Name ↑↓	Type ↑↓
<input type="checkbox"/>	aca-app	Container App
<input type="checkbox"/>	aca-env	Container Apps Environment
<input checked="" type="checkbox"/>	aca-job	Container App Job (Preview)
<input type="checkbox"/>	aca-job-scheduled	Container App Job (Preview)
<input type="checkbox"/>	workspace-rgacahLJV	Log Analytics workspace

aca-job | Execution history ⭐ ...

Container App Job (Preview)

Search Refresh

The most recent job executions are shown here. For older executions or more advanced analysis, see [Logs](#)

Recent executions

Filter by name

2 items

Name ↑	Status ↑	Start time ↑	Logs
aca-job-voq998g	Running	2023-07-28T15:34:29+00:00	View logs
aca-job-p27d3de	Succeeded	2023-07-28T13:52:30+00:00	View logs

Overview Tags Settings Locks Monitoring Logs Execution history Automation Tasks (preview)

Container Apps Jobs execution history

```
az containerapp job execution list -n $ACA_JOB -g $ACA_RG -o table
```

Name	StartTime	Status
aca-job-voq998g	2023-07-28T15:34:29+00:00	Succeeded
aca-job-p27d3de	2023-07-28T13:52:30+00:00	Succeeded

The screenshot shows the 'Execution history' blade for a Container App Job named 'aca-job'. The sidebar on the left lists various management options: Overview, Tags, Settings, Locks, Monitoring, Logs, and Execution history (which is currently selected). The main area displays the 'Recent executions' section, which lists the two most recent job executions. Each execution entry includes a 'Filter by name' search bar, the execution name, its status (e.g., Running or Succeeded), the start time, and a 'View logs' link.

Name	Status	Start time	Logs
aca-job-voq998g	Running	2023-07-28T15:34:29+00:00	View logs
aca-job-p27d3de	Succeeded	2023-07-28T13:52:30+00:00	View logs

Container Apps Jobs logs

The screenshot shows the Azure Container Apps Jobs logs interface. The left sidebar lists various sections: Overview, Tags, Settings, Locks, Monitoring, Logs (selected), Execution history, Automation, Tasks (preview), Support + troubleshooting, and New Support Request. The main area displays a query editor with two tabs: 'New Query 1*' and 'New Query 2'. The 'New Query 1*' tab contains the following FQL query:

```
1 ContainerAppConsoleLogs_CL
2 | where ContainerGroupName_sstartswith 'aca-job-'
3 | order by _timestamp_d asc
4 | project ContainerName_s, Log_s |
```

The results table has columns 'ContainerName_s' and 'Log_s'. The data is as follows:

ContainerName_s	Log_s
> aca-job	2023/07/28 13:52:32 This is a sample application that demonstrates how to use Azure Container Apps jobs
> aca-job	2023/07/28 13:52:32 Starting processing...
> aca-job	2023/07/28 13:52:37 Finished processing. Shutting down!
> aca-job-scheduled	2023/07/28 14:48:00 This is a sample application that demonstrates how to use Azure Container Apps jobs
> aca-job-scheduled	2023/07/28 14:48:00 Starting processing...
> aca-job-scheduled	2023/07/28 14:48:05 Finished processing. Shutting down!
> aca-job-scheduled	2023/07/28 14:49:00 This is a sample application that demonstrates how to use Azure Container Apps jobs

At the bottom, it shows '0s 323ms | Display time (UTC+00:00) ▾' and 'Query details | 1 - 7 of 171'.