

Log types in Container Apps


Container console logs

Log streams from your container console.
Logs from stderr and stdout.

System logs

Logs generated by the Azure Container Apps service.
Logs about Dapr, mounted volumes, domain names, auth, traffic split, revision, etc.


Logging options for Container Apps


aca-environment | Logging options ☆ ⋮
Container Apps Environment


Search


<<


Settings

Dapr components


Certificates

Custom DNS suffix (Preview)


Azure Files


Locks


Apps

Apps

Monitoring

Logs

Log stream

Logging options

Refresh

Send us your feedback

Where do you want to store logs for this environment?

Logs Destination

☒ **Azure Log Analytics:** Search and analyze logs at any scale.

☐ **Azure Monitor:** View, analyze, and act on log data. If selected, you'll route logs to one or more destinations in Diagnostic settings.

☐ **Don't save logs:** Stream logs without storing them.

Log Destination Configuration

Subscription *

Microsoft-Azure-0

Resource group *

rg-containerapps-terraform-04

Log Analytics workspace *

workspace-aca

Create new

Getting container logs

containerapps-helloworld | Log stream

Container App

Search

Dapr

Identity

Service Connector (preview)

CORS (preview)

Locks

Revisions

Revision management

Containers

Scale and replicas

Monitoring

Alerts

Metrics

Logs

Log stream

Console

Advisor recommendations

Refresh

Logs

Console

System

Revision

containerapps-helloworld--pueete2

Not seeing your revision? [Click here to find and activate an existing revision.](#)

Replica

containerapps-helloworld--pueete2-57b48957d9-hmr9x

Container

helloworld-app

Stop

Copy

Clear

Maximize

2023-05-18T19:01:08.864103001Z 100.100.0.36 - - [18/May/2023:19:01:08 +0000] "GET / HTTP/1.1" 304 0 "https://sandbox-52-23.reactblade.portal.azure.net/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/113.0.0.0 Safari/537.36 Edg/113.0.1774.42" "176.177.25.47"

2023-05-18T19:01:09.052190062Z 100.100.0.36 - - [18/May/2023:19:01:09 +0000] "GET / HTTP/1.1" 304 0 "https://sandbox-52-23.reactblade.portal.azure.net/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/113.0.0.0 Safari/537.36 Edg/113.0.1774.42" "176.177.25.47"

2023-05-18T19:01:09.228156933Z 100.100.0.36 - - [18/May/2023:19:01:09 +0000] "GET / HTTP/1.1" 304 0 "https://sandbox-52-23.reactblade.portal.azure.net/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/113.0.0.0 Safari/537.36 Edg/113.0.1774.42" "176.177.25.47"

2023-05-18T19:01:09.404083610Z 100.100.0.36 - - [18/May/2023:19:01:09 +0000] "GET / HTTP/1.1" 304 0 "https://sandbox-52-23.reactblade.portal.azure.net/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/113.0.0.0 Safari/537.36 Edg/113.0.1774.42" "176.177.25.47"

2023-05-18T19:02:55.34083 No logs since last 60 seconds

2023-05-18T19:03:55.83309 No logs since last 60 seconds

Debugging Container Apps using console

containerapps-helloworld | Console

Container App

Search

Dapr

Identity

Service Connector (preview)

CORS (preview)

Locks

Revisions

Revision management

Containers

Scale and replicas

Monitoring

Alerts

Metrics

Logs

Log stream

Console

Advisor recommendations

Refresh

Select a container instance in an active revision to connect to console.

Revision

containerapps-helloworld--pueete2

Not seeing your revision? [Click here to find and activate an existing revision.](#)

Replica

containerapps-helloworld--pueete2-57b48957d9-hmr9x

Container

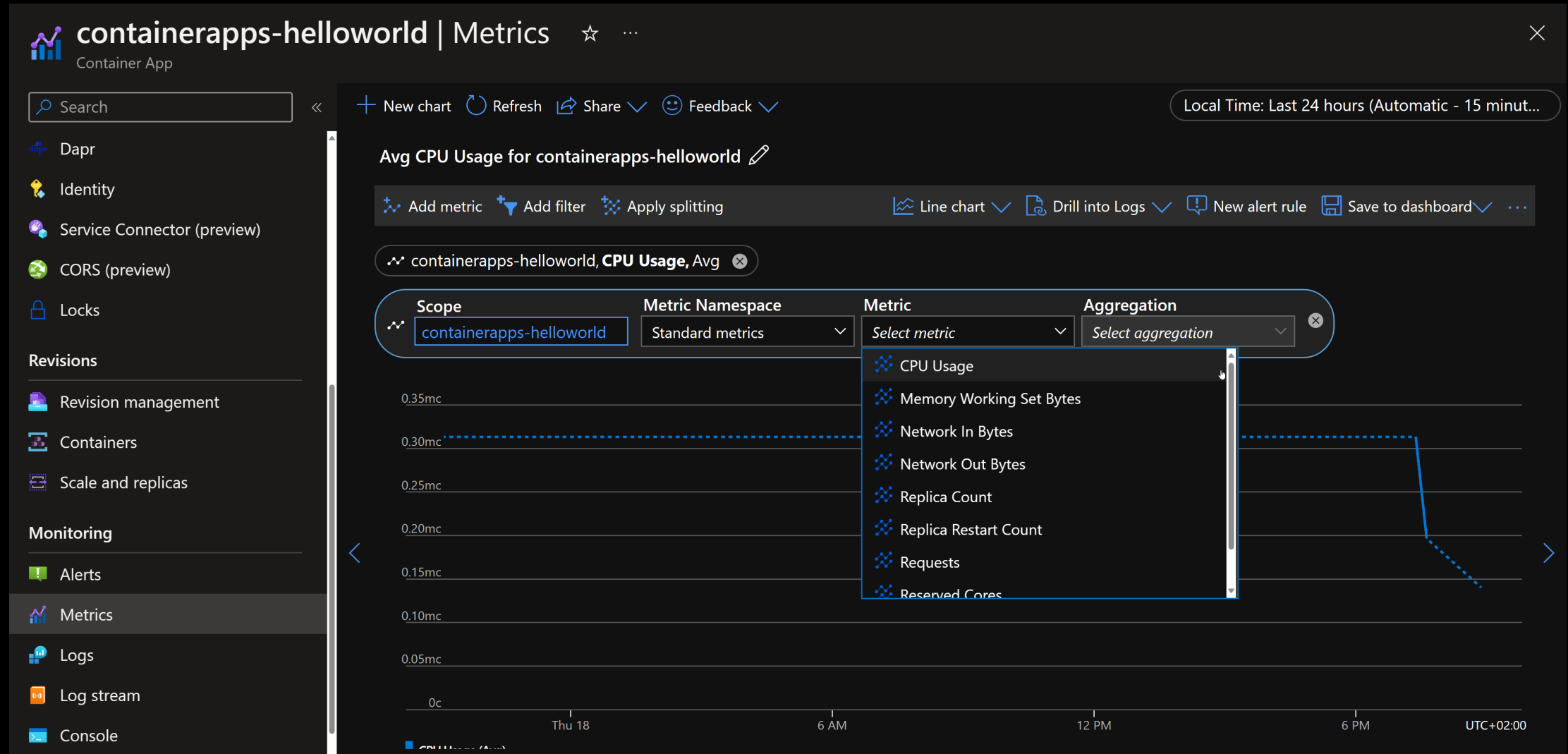
helloworld-app

Reconnect

Maximize

```
INFO: Connecting to the container 'helloworld-app'...
INFO: Successfully connected to container: 'helloworld-app'. [ Revision: 'containerapps-helloworld--pueete2', Replica: 'containerapps-helloworld--pueete2-57b48957d9-hmr9x' ]
#
# printenv
CONTAINER_APP_HOSTNAME=containerapps-helloworld--pueete2.wittysea-588bf691.westeurope.azurecontainerapps.io
KUBERNETES_SERVICE_PORT=443
KUBERNETES_PORT=tcp://100.100.128.1:443
HOSTNAME=containerapps-helloworld--pueete2-57b48957d9-hmr9x
HOME=/root
CONTAINER_APP_ENV_DNS_SUFFIX=wittysea-588bf691.westeurope.azurecontainerapps.io
PKG_RELEASE=1~bullseye
CONTAINER_APP_REVISION=containerapps-helloworld--pueete2
CONTAINER_APP_REPLICA_NAME=containerapps-helloworld--pueete2-57b48957d9-hmr9x
```

Metrics from Container Apps



Container logs from Log Analytics

aca-environment | Logs ☆ ...
Container Apps Environment

Search

Overview

Activity log

Access control (IAM)

Tags

Settings

Dapr components

Certificates

Custom DNS suffix (Preview)

Azure Files

Locks

Apps

Apps

Monitoring

Logs

Log stream

Logging options

Automation

Tasks (preview)

New Query 1* × +

workspace-aca Select scope

Run Time range : Last 24 hours Save Share + New alert rule Export Pin to

Tables Queries Functions ...

Search

Filter Group by: Solution

Collapse all

Favorites

You can add favorites by clicking on the ☆ icon

LogManagement

Usage

Custom Logs

ContainerAppConsoleLogs_CL

ContainerAppSystemLogs_CL

```
1 ContainerAppConsoleLogs_CL
2 // | where ContainerAppName_s == 'album-api'
3 | project Time=TimeGenerated, AppName=ContainerAppName_s, Revision=RevisionName_s,
4   Container=ContainerName_s, Message=Log_s
5 | take 100
```

Results Chart

Time [UTC]	AppName	Revision	Container	Message
> 5/18/2023, 5:13:29.906 PM	aca-demo-app	aca-demo-app--hw6xnlj	nginx	/docker-entrypoint.sh: Launching /docker-e
> 5/18/2023, 5:13:29.906 PM	aca-demo-app	aca-demo-app--hw6xnlj	nginx	/docker-entrypoint.sh: Configuration compl
> 5/18/2023, 5:15:27.637 PM	aca-demo-app	aca-demo-app--nginx	nginx	2023/05/18 17:15:25 [emerg] 1#1: bind() to
> 5/18/2023, 5:15:27.637 PM	aca-demo-app	aca-demo-app--nginx	nginx	nginx: [emerg] bind() to 0.0.0.0:80 failed (98
> 5/18/2023, 5:15:27.637 PM	aca-demo-app	aca-demo-app--nginx	nginx	2023/05/18 17:15:25 [emerg] 1#1: bind() to
> 5/18/2023, 5:15:27.637 PM	aca-demo-app	aca-demo-app--nginx	nginx	nginx: [emerg] bind() to [::]:80 failed (98: Ad
> 5/18/2023, 5:15:27.637 PM	aca-demo-app	aca-demo-app--nginx	nginx	2023/05/18 17:15:25 [notice] 1#1: try again
> 5/18/2023, 5:15:27.637 PM	aca-demo-app	aca-demo-app--nginx	nginx	2023/05/18 17:15:25 [emerg] 1#1: bind() to
> 5/18/2023, 5:15:27.637 PM	aca-demo-app	aca-demo-app--nginx	nginx	nginx: [emerg] bind() to 0.0.0.0:80 failed (98
> 5/18/2023, 5:15:27.637 PM	aca-demo-app	aca-demo-app--nginx	nginx	2023/05/18 17:15:25 [emerg] 1#1: bind() to
> 5/18/2023, 5:15:27.637 PM	aca-demo-app	aca-demo-app--nginx	nginx	nginx: [emerg] bind() to [::]:80 failed (98: Ad
> 5/18/2023, 5:15:27.637 PM	aca-demo-app	aca-demo-app--nginx	nginx	2023/05/18 17:15:25 [notice] 1#1: try again

0s 578ms | Display time (UTC+00:00) Query details 34 - 45 of 100

System logs from Log Analytics

aca-environment | Logs

Container Apps Environment

Search

OverviewActivity logAccess control (IAM)TagsSettingsDapr componentsCertificatesCustom DNS suffix (Preview)Azure FilesLocksAppsMonitoringLogsLog streamLogging optionsAutomationTasks (preview)

New Query 1*

workspace-acaselect scopeRunTime range : Last 24 hoursSaveShareNew alert ruleExportPin toFeedbackQueries

TablesQueriesFunctions<<SearchFilterGroup by: SolutionCollapse allFavoritesYou can add favorites by clicking on the ☆ iconLogManagementUsageCustom LogsContainerAppConsoleLogs_CLContainerAppSystemLogs_CL

```
ContainerAppSystemLogs_CL  
// | where ContainerAppName_s == 'album-api'  
| project Time=TimeGenerated, EnvName=EnvironmentName_s, AppName=ContainerAppName_s,  
Revision=RevisionName_s, Message=Log_s  
| take 100
```

ResultsChart

Time [UTC]	EnvName	AppName	Revision	Message
> 5/18/2...	wittysea-588bf691	aca-app-backend-api	aca-app-backend-api--m7mdk...	Deactivated apps/v1.Deployme...
> 5/18/2...	wittysea-588bf691	aca-app-backend-api	aca-app-backend-api--m7mdk...	Deactivated apps/v1.Deployme...
> 5/18/2...	wittysea-588bf691	aca-app-backend-api	aca-app-backend-api--m7mdk...	Stopping container backend-api
> 5/18/2...	wittysea-588bf691	aca-app-backend-api	aca-app-backend-api--m7mdk...	readiness probe failed: connect...
> 5/18/2...	wittysea-588bf691	aca-app-backend-api	aca-app-backend-api--m7mdk...	readiness probe failed: connect...
> 5/18/2...	wittysea-588bf691	aca-app-backend-api	aca-app-backend-api--m7mdk...	readiness probe failed: connect...
> 5/18/2...	wittysea-588bf691	aca-app-frontend-ui	aca-app-frontend-ui--2deprk1	Deactivated apps/v1.Deployme...
> 5/18/2...	wittysea-588bf691	aca-app-frontend-ui	aca-app-frontend-ui--2deprk1	Deactivated apps/v1.Deployme...
> 5/18/2...	wittysea-588bf691	aca-app-frontend-ui	aca-app-frontend-ui--2deprk1	Stopping container frontend-ui
> 5/18/2...	wittysea-588bf691	aca-app-frontend-ui	aca-app-frontend-ui--2deprk1	readiness probe failed: connect...
> 5/18/2...	wittysea-588bf691	aca-app-frontend-ui	aca-app-frontend-ui--2deprk1	readiness probe failed: connect...
> 5/18/2...	wittysea-588bf691	aca-app-backen...	aca-app-backen...	readiness probe failed: connect...

0s 348msDisplay time (UTC+00:00)Query details1 - 12 of 100