



Windows PowerShell Get-Help on Cmdlet 'New-AzContainerAppJob'

PS: \>Get-HELP New-AzContainerAppJob -Full

NAME

New-AzContainerAppJob

SYNOPSIS

Create a Container Apps Job.

SYNTAX

```
New-AzContainerAppJob -Name <String> -ResourceGroupName <String> [-SubscriptionId <String>] -Location <String>
[-ConfigurationRegistry <IRegistryCredentials[]>]
[-ConfigurationReplicaRetryLimit <Int32>] [-ConfigurationReplicaTimeout <Int32>] [-ConfigurationSecret <ISecret[]>]
[-ConfigurationTriggerType <String>]
[-EnvironmentId <String>] [-EventTriggerConfigParallelism <Int32>] [-EventTriggerConfigReplicaCompletionCount
<Int32>] [-IdentityType <String>]
[-IdentityUserAssignedIdentity <Hashtable>] [-ManualTriggerConfigParallelism <Int32>]
[-ManualTriggerConfigReplicaCompletionCount <Int32>] [-ScaleMaxExecution
<Int32>] [-ScaleMinExecution <Int32>] [-ScalePollingInterval <Int32>] [-ScaleRule <IJobScaleRule[]>]
[-ScheduleTriggerConfigCronExpression <String>]
[-ScheduleTriggerConfigParallelism <Int32>] [-ScheduleTriggerConfigReplicaCompletionCount <Int32>] [-Tag
<Hashtable>] [-TemplateContainer <IContainer[]>]
```

[-TemplateInitContainer <IInitContainer[]>] [-TemplateVolume <IVolume[]>] [-WorkloadProfileName <String>]
 [-DefaultProfile <PSObject>] [-AsJob] [-Break]
 [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait] [-Proxy <Uri>]
 [-ProxyCredential <PSCredential>]
 [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

New-AzContainerAppJob -Name <String> -ResourceGroupName <String> [-SubscriptionId <String>] -JsonString
 <String> [-DefaultProfile <PSObject>] [-AsJob] [-Break]
 [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait] [-Proxy <Uri>]
 [-ProxyCredential <PSCredential>]
 [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

New-AzContainerAppJob -Name <String> -ResourceGroupName <String> [-SubscriptionId <String>] -JsonFilePath
 <String> [-DefaultProfile <PSObject>] [-AsJob] [-Break]
 [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait] [-Proxy <Uri>]
 [-ProxyCredential <PSCredential>]
 [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

New-AzContainerAppJob -InputObject <IAppIdentity> -Location <String> [-ConfigurationRegistry
 <IRegistryCredentials[]>] [-ConfigurationReplicaRetryLimit <Int32>]
 [-ConfigurationReplicaTimeout <Int32>] [-ConfigurationSecret <ISecret[]>] [-ConfigurationTriggerType <String>]
 [-EnvironmentId <String>]
 [-EventTriggerConfigParallelism <Int32>] [-EventTriggerConfigReplicaCompletionCount <Int32>] [-IdentityType <String>]
 [-IdentityUserAssignedIdentity <Hashtable>]
 [-ManualTriggerConfigParallelism <Int32>] [-ManualTriggerConfigReplicaCompletionCount <Int32>] [-ScaleMaxExecution
 <Int32>] [-ScaleMinExecution <Int32>]
 [-ScalePollingInterval <Int32>] [-ScaleRule <IJobScaleRule[]>] [-ScheduleTriggerConfigCronExpression <String>]
 [-ScheduleTriggerConfigParallelism <Int32>]
 [-ScheduleTriggerConfigReplicaCompletionCount <Int32>] [-Tag <Hashtable>] [-TemplateContainer <IContainer[]>]
 [-TemplateInitContainer <IInitContainer[]>]
 [-TemplateVolume <IVolume[]>] [-WorkloadProfileName <String>] [-DefaultProfile <PSObject>] [-AsJob] [-Break]
 [-HttpPipelineAppend <SendAsyncStep[]>]
 [-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait] [-Proxy <Uri>] [-ProxyCredential <PSCredential>]

[-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm]

[<CommonParameters>]

DESCRIPTION

Create a Container Apps Job.

PARAMETERS

-Name <String>

Job Name

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ResourceGroupName <String>

The name of the resource group.

The name is case insensitive.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-SubscriptionId <String>

The ID of the target subscription.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-InputObject <IApplIdentity>

Identity Parameter

To construct, see NOTES section for INPUTOBJECT properties and create a hash table.

Required? true

Position? named

Default value

Accept pipeline input? true (ByValue)

Accept wildcard characters? false

-Location <String>

The geo-location where the resource lives

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ConfigurationRegistry <IRegistryCredentials[]>

Collection of private container registry credentials used by a Container apps job

To construct, see NOTES section for CONFIGURATIONREGISTRY properties and create a hash table.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ConfigurationReplicaRetryLimit <Int32>

Maximum number of retries before failing the job.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-ConfigurationReplicaTimeout <Int32>

Maximum number of seconds a replica is allowed to run.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-ConfigurationSecret <ISecret[]>

Collection of secrets used by a Container Apps Job

To construct, see NOTES section for CONFIGURATIONSECRET properties and create a hash table.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ConfigurationTriggerType <String>

Trigger type of the job

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-EnvironmentId <String>

Resource ID of environment.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-EventTriggerConfigParallelism <Int32>

Number of parallel replicas of a job that can run at a given time.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-EventTriggerConfigReplicaCompletionCount <Int32>

Minimum number of successful replica completions before overall job completion.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-IdentityType <String>

Type of managed service identity (where both SystemAssigned and UserAssigned types are allowed).

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-IdentityUserAssignedIdentity <Hashtable>

The set of user assigned identities associated with the resource.

The userAssignedIdentities dictionary keys will be ARM resource ids in the form:

`/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.ManagedIdentity/userAssignedIdentities/{identityName}.`

The dictionary values can be empty objects ({} in requests.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-ManualTriggerConfigParallelism <Int32>

Number of parallel replicas of a job that can run at a given time.

Required? false
Position? named
Default value 0
Accept pipeline input? false
Accept wildcard characters? false

-ManualTriggerConfigReplicaCompletionCount <Int32>

Minimum number of successful replica completions before overall job completion.

Required? false
Position? named
Default value 0
Accept pipeline input? false
Accept wildcard characters? false

-ScaleMaxExecution <Int32>

Maximum number of job executions that are created for a trigger, default 100.

Required? false
Position? named
Default value 0
Accept pipeline input? false
Accept wildcard characters? false

-ScaleMinExecution <Int32>

Minimum number of job executions that are created for a trigger, default 0

Required? false
Position? named
Default value 0
Accept pipeline input? false
Accept wildcard characters? false

-ScalePollingInterval <Int32>

Interval to check each event source in seconds.

Defaults to 30s

Required? false
Position? named
Default value 0
Accept pipeline input? false
Accept wildcard characters? false

-ScaleRule <IJobScaleRule[]>

Scaling rules.

To construct, see NOTES section for SCALERULE properties and create a hash table.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ScheduleTriggerConfigCronExpression <String>

Cron formatted repeating schedule ("* * * * *") of a Cron Job.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ScheduleTriggerConfigParallelism <Int32>

Number of parallel replicas of a job that can run at a given time.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-ScheduleTriggerConfigReplicaCompletionCount <Int32>

Minimum number of successful replica completions before overall job completion.

Required? false

Position? named
Default value 0
Accept pipeline input? false
Accept wildcard characters? false

-Tag <Hashtable>

Resource tags.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-TemplateContainer <IContainer[]>

List of container definitions for the Container App.

To construct, see NOTES section for TEMPLATECONTAINER properties and create a hash table.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-TemplateInitContainer <IInitContainer[]>

List of specialized containers that run before app containers.

To construct, see NOTES section for TEMPLATEINITCONTAINER properties and create a hash table.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-TemplateVolume <IVolume[]>

List of volume definitions for the Container App.

To construct, see NOTES section for TEMPLATEVOLUME properties and create a hash table.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-WorkloadProfileName <String>

Workload profile name to pin for container apps job execution.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-JsonFilePath <String>

Path of Json file supplied to the Create operation

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-JsonString <String>

Json string supplied to the Create operation

Required? true

Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-DefaultProfile <PSObject>

The DefaultProfile parameter is not functional.

Use the SubscriptionId parameter when available if executing the cmdlet against a different subscription.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-AsJob [<SwitchParameter>]

Run the command as a job

Required? false
Position? named
Default value False
Accept pipeline input? false
Accept wildcard characters? false

-Break [<SwitchParameter>]

Wait for .NET debugger to attach

Required? false
Position? named
Default value False
Accept pipeline input? false
Accept wildcard characters? false

-HttpPipelineAppend <SendAsyncStep[]>

SendAsync Pipeline Steps to be appended to the front of the pipeline

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-HttpPipelinePrepend <SendAsyncStep[]>

SendAsync Pipeline Steps to be prepended to the front of the pipeline

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-NoWait [<SwitchParameter>]

Run the command asynchronously

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-Proxy <Uri>

The URI for the proxy server to use

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ProxyCredential <PSCredential>

Credentials for a proxy server to use for the remote call

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ProxyUseDefaultCredentials [<SwitchParameter>]

Use the default credentials for the proxy

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-WhatIf [<SwitchParameter>]

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Confirm [<SwitchParameter>]

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [about_CommonParameters \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

Microsoft.Azure.PowerShell.Cmdlets.App.Models.IAppIdentity

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.App.Models.IJob

NOTES

COMPLEX PARAMETER PROPERTIES

To create the parameters described below, construct a hash table containing the appropriate properties. For information on hash tables, run Get-Help

[about_Hash_Tables](#).

CONFIGURATIONREGISTRY <IRegistryCredentials[]>: Collection of private container registry credentials used by a Container apps job

[Identity <String>]: A Managed Identity to use to authenticate with Azure Container Registry. For user-assigned identities, use the full user-assigned identity

Resource ID. For system-assigned identities, use 'system'

[PasswordSecretRef <String>]: The name of the Secret that contains the registry login password

[Server <String>]: Container Registry Server

[Username <String>]: Container Registry Username

CONFIGURATIONSECRET <ISecret[]>: Collection of secrets used by a Container Apps Job

[Identity <String>]: Resource ID of a managed identity to authenticate with Azure Key Vault, or System to use a system-assigned identity.

[KeyVaultUrl <String>]: Azure Key Vault URL pointing to the secret referenced by the container app.

[Name <String>]: Secret Name.

[Value <String>]: Secret Value.

INPUTOBJECT <IApplIdentity>: Identity Parameter

[AuthConfigName <String>]: Name of the Container App AuthConfig.

[CertificateName <String>]: Name of the Certificate.

[ComponentName <String>]: Name of the Dapr Component.

[ConnectedEnvironmentName <String>]: Name of the connectedEnvironment.

[ContainerAppName <String>]: Name of the Container App.

[DetectorName <String>]: Name of the Container App Detector.

[EnvironmentName <String>]: Name of the Environment.

[Id <String>]: Resource identity path

[JobExecutionName <String>]: Job execution name.

[JobName <String>]: Job Name

[Location <String>]: The name of Azure region.

[ManagedCertificateName <String>]: Name of the Managed Certificate.

[ReplicaName <String>]: Name of the Container App Revision Replica.

[ResourceGroupName <String>]: The name of the resource group. The name is case insensitive.

[RevisionName <String>]: Name of the Container App Revision.

[SourceControlName <String>]: Name of the Container App SourceControl.

[StorageName <String>]: Name of the storage.

[SubscriptionId <String>]: The ID of the target subscription.

SCALERULE <IJobScaleRule[]>: Scaling rules.

[Auth <List<IScaleRuleAuth>>]: Authentication secrets for the scale rule.

[SecretRef <String>]: Name of the secret from which to pull the auth params.

[TriggerParameter <String>]: Trigger Parameter that uses the secret

[Metadata <IAny>]: Metadata properties to describe the scale rule.

[Name <String>]: Scale Rule Name

[Type <String>]: Type of the scale rule eg: azure-servicebus, redis etc.

TEMPLATECONTAINER <IContainer[]>: List of container definitions for the Container App.

[Arg <List<String>>]: Container start command arguments.

[Command <List<String>>]: Container start command.

[Env <List<IEnvironmentVar>>]: Container environment variables.

[Name <String>]: Environment variable name.

[SecretRef <String>]: Name of the Container App secret from which to pull the environment variable value.

[Value <String>]: Non-secret environment variable value.

[Image <String>]: Container image tag.

[Name <String>]: Custom container name.

[ResourceCpu <Double?>]: Required CPU in cores, e.g. 0.5

[ResourceMemory <String>]: Required memory, e.g. "250Mb"

[VolumeMount <List<IVolumeMount>>]: Container volume mounts.

[MountPath <String>]: Path within the container at which the volume should be mounted. Must not contain ':

[SubPath <String>]: Path within the volume from which the container's volume should be mounted. Defaults to ""
(volume's root).

[VolumeName <String>]: This must match the Name of a Volume.

[Probe <List<IContainerAppProbe>>]: List of probes for the container.

[FailureThreshold <Int32?>]: Minimum consecutive failures for the probe to be considered failed after having succeeded. Defaults to 3. Minimum value is 1.

Maximum value is 10.

[HttpGetHost <String>]: Host name to connect to, defaults to the pod IP. You probably want to set "Host" in httpHeaders instead.

[HttpGetHTTPHeader <List<IContainerAppProbeHttpGetHttpHeadersItem>>]: Custom headers to set in the request.
HTTP allows repeated headers.

Name <String>: The header field name

Value <String>: The header field value

[HttpGetPath <String>]: Path to access on the HTTP server.

[HttpGetPort <Int32?>]: Name or number of the port to access on the container. Number must be in the range 1 to

65535. Name must be an IANA_SVC_NAME.

[HttpGetScheme <String>]: Scheme to use for connecting to the host. Defaults to HTTP.

[InitialDelaySecond <Int32?>]: Number of seconds after the container has started before liveness probes are initiated. Minimum value is 1. Maximum value is 60.

[PeriodSecond <Int32?>]: How often (in seconds) to perform the probe. Default to 10 seconds. Minimum value is 1. Maximum value is 240.

[SuccessThreshold <Int32?>]: Minimum consecutive successes for the probe to be considered successful after having failed. Defaults to 1. Must be 1 for liveness and startup. Minimum value is 1. Maximum value is 10.

[TcpSocketHost <String>]: Optional: Host name to connect to, defaults to the pod IP.

[TcpSocketPort <Int32?>]: Number or name of the port to access on the container. Number must be in the range 1 to 65535. Name must be an IANA_SVC_NAME.

[TerminationGracePeriodSecond <Int64?>]: Optional duration in seconds the pod needs to terminate gracefully upon probe failure. The grace period is the duration in seconds after the processes running in the pod are sent a termination signal and the time when the processes are forcibly halted with a kill signal.

Set this value longer than the expected cleanup time for your process. If this value is nil, the pod's terminationGracePeriodSeconds will be used. Otherwise, this

value overrides the value provided by the pod spec. Value must be non-negative integer. The value zero indicates stop immediately via the kill signal (no opportunity to shut down). This is an alpha field and requires enabling ProbeTerminationGracePeriod feature gate. Maximum value is 3600 seconds (1 hour)

[TimeoutSecond <Int32?>]: Number of seconds after which the probe times out. Defaults to 1 second. Minimum value is 1. Maximum value is 240.

[Type <String>]: The type of probe.

TEMPLATEINITCONTAINER <IInitContainer[]>: List of specialized containers that run before app containers.

[Arg <List<String>>]: Container start command arguments.

[Command <List<String>>]: Container start command.

[Env <List<IEnvironmentVar>>]: Container environment variables.

[Name <String>]: Environment variable name.

[SecretRef <String>]: Name of the Container App secret from which to pull the environment variable value.

[Value <String>]: Non-secret environment variable value.

[Image <String>]: Container image tag.

[Name <String>]: Custom container name.

[ResourceCpu <Double?>]: Required CPU in cores, e.g. 0.5

[ResourceMemory <String>]: Required memory, e.g. "250Mb"

[VolumeMount <List<IVolumeMount>>]: Container volume mounts.

[MountPath <String>]: Path within the container at which the volume should be mounted. Must not contain ':

[SubPath <String>]: Path within the volume from which the container's volume should be mounted. Defaults to "" (volume's root).

[VolumeName <String>]: This must match the Name of a Volume.

TEMPLATEVOLUME <IVolume[]>: List of volume definitions for the Container App.

[MountOption <String>]: Mount options used while mounting the AzureFile. Must be a comma-separated string.

[Name <String>]: Volume name.

[Secret <List<ISecretVolumeItem>>]: List of secrets to be added in volume. If no secrets are provided, all secrets in collection will be added to volume.

[Path <String>]: Path to project secret to. If no path is provided, path defaults to name of secret listed in secretRef.

[SecretRef <String>]: Name of the Container App secret from which to pull the secret value.

[StorageName <String>]: Name of storage resource. No need to provide for EmptyDir and Secret.

[StorageType <String>]: Storage type for the volume. If not provided, use EmptyDir.

----- EXAMPLE 1 -----

```
PS C:\>$EnvId = (Get-AzContainerAppManagedEnv -ResourceGroupName azps_test_group_app -Name azps-env).Id

$probeHttpGetHttpHeader = New-AzContainerAppProbeHeaderObject -Name "Custom-Header" -Value "Awesome"

$probe = New-AzContainerAppProbeObject -Type "Liveness" -HttpGetPath "/health" -HttpGetPort 8080
-InitialDelaySecond 3 -PeriodSecond 3 -HttpGetHttpHeader

$probeHttpGetHttpHeader

$temp = New-AzContainerAppTemplateObject -Image "mcr.microsoft.com/k8se/quickstart-jobs:latest" -Name
"simple-hello-world-container" -Probe $probe -ResourceCpu 0.25

-ResourceMemory "0.5Gi"
```

```
New-AzContainerAppJob -Name azps-app-job -ResourceGroupName azps_test_group_app -Location eastus
```

-ConfigurationReplicaRetryLimit 10 -ConfigurationReplicaTimeout 10
-ConfigurationTriggerType Manual -EnvironmentId \$EnvId -ManualTriggerConfigParallelism 4
-ManualTriggerConfigReplicaCompletionCount 1 -TemplateContainer \$temp

RELATED LINKS

<https://learn.microsoft.com/powershell/module/az.app/new-azcontainerappjob>