



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

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

NAME

New-AzContainerInstanceObject

SYNOPSIS

Create a in-memory object for Container

SYNTAX

```
New-AzContainerInstanceObject -Image <String> -Name <String> [-Command <String[]>] [-EnvironmentVariable
<IEnvironmentVariable[]>] [-LimitCpu <Double>]
[-LimitMemoryInGb <Double>] [-LimitsGpuCount <Int32>] [-LimitsGpuSku <String>] [-LivenessProbeExecCommand
<String[]>] [-LivenessProbeFailureThreshold <Int32>]
[-LivenessProbeHttpGetHttpHeader <IHttpHeader[]>] [-LivenessProbeHttpGetPath <String>] [-LivenessProbeHttpGetPort
<Int32>] [-LivenessProbeHttpGetScheme <String>]
[-LivenessProbeInitialDelaySecond <Int32>] [-LivenessProbePeriodSecond <Int32>] [-LivenessProbeSuccessThreshold
<Int32>] [-LivenessProbeTimeoutSecond <Int32>] [-Port
<IContainerPort[]>] [-ReadinessProbeExecCommand <String[]>] [-ReadinessProbeFailureThreshold <Int32>]
[-ReadinessProbeHttpGetHttpHeader <IHttpHeader[]>]
[-ReadinessProbeHttpGetPath <String>] [-ReadinessProbeHttpGetPort <Int32>] [-ReadinessProbeHttpGetScheme
<String>] [-ReadinessProbeInitialDelaySecond <Int32>]
```

[-ReadinessProbePeriodSecond <Int32>] [-ReadinessProbeSuccessThreshold <Int32>]
 [-ReadinessProbeTimeoutSecond <Int32>] [-RequestCpu <Double>] [-RequestMemoryInGb
 <Double>] [-RequestsGpuCount <Int32>] [-RequestsGpuSku <String>] [-VolumeMount <IVolumeMount[]>]
 [<CommonParameters>]

DESCRIPTION

Create a in-memory object for Container

PARAMETERS

-Image <String>

The name of the image used to create the container instance.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Name <String>

The user-provided name of the container instance.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Command <String[]>

The commands to execute within the container instance in exec form.

Required? false

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

-EnvironmentVariable <IEnvironmentVariable[]>

The environment variables to set in the container instance.

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

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

-LimitCpu <Double>

The CPU limit of this container instance.

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

-LimitMemoryInGb <Double>

The memory limit in GB of this container instance.

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

-LimitsGpuCount <Int32>

The count of the GPU resource.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-LimitsGpuSku <String>

The SKU of the GPU resource.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-LivenessProbeExecCommand <String[]>

The commands to execute within the container.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-LivenessProbeFailureThreshold <Int32>

The failure threshold.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-LivenessProbeHttpGetHttpHeader <IHttpHeader[]>

The HTTP headers for liveness probe.

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

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-LivenessProbeHttpGetPath <String>

The path to probe.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-LivenessProbeHttpGetPort <Int32>

The port number to probe.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-LivenessProbeHttpGetScheme <String>

The scheme.

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

-LivenessProbeInitialDelaySecond <Int32>

The initial delay seconds.

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

-LivenessProbePeriodSecond <Int32>

The period seconds.

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

-LivenessProbeSuccessThreshold <Int32>

The success threshold.

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

-LivenessProbeTimeoutSecond <Int32>

The timeout seconds.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-Port <IContainerPort[]>

The exposed ports on the container instance.

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

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ReadinessProbeExecCommand <String[]>

The commands to execute within the container.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ReadinessProbeFailureThreshold <Int32>

The failure threshold.

Required? false

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

-ReadinessProbeHttpGetHttpHeader <IHttpHeader[]>

The HTTP headers for readiness probe.

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

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

-ReadinessProbeHttpGetPath <String>

The path to probe.

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

-ReadinessProbeHttpGetPort <Int32>

The port number to probe.

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

-ReadinessProbeHttpGetScheme <String>

The scheme.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ReadinessProbeInitialDelaySecond <Int32>

The initial delay seconds.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-ReadinessProbePeriodSecond <Int32>

The period seconds.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-ReadinessProbeSuccessThreshold <Int32>

The success threshold.

Required? false

Position? named

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

-ReadinessProbeTimeoutSecond <Int32>

The timeout seconds.

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

-RequestCpu <Double>

The CPU request of this container instance.

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

-RequestMemoryInGb <Double>

The memory request in GB of this container instance.

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

-RequestsGpuCount <Int32>

The count of the GPU resource.

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

-RequestsGpuSku <String>

The SKU of the GPU resource.

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

-VolumeMount <IVolumeMount[]>

The volume mounts available to the container instance.

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

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>).

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.ContainerInstance.Models.Api20221001Preview.Container

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.

ENVIRONMENTVARIABLE <IEnvironmentVariable[]>: The environment variables to set in the container instance.

Name <String>: The name of the environment variable.

[SecureValue <String>]: The value of the secure environment variable.

[Value <String>]: The value of the environment variable.

LIVENESSPROBEHTTPGETHTTPHEADER <IHttpHeader[]>: The HTTP headers for liveness probe.

[Name <String>]: The header name.

[Value <String>]: The header value.

PORT <IContainerPort[]>: The exposed ports on the container instance.

Port <Int32>: The port number exposed within the container group.

[Protocol <ContainerNetworkProtocol?>]: The protocol associated with the port.

READINESSPROBEHTTPGETHTTPHEADER <IHttpHeader[]>: The HTTP headers for readiness probe.

[Name <String>]: The header name.

[Value <String>]: The header value.

VOLUMEMOUNT <IVolumeMount[]>: The volume mounts available to the container instance.

MountPath <String>: The path within the container where the volume should be mounted. Must not contain path separators.

Name <String>: The name of the volume mount.

[ReadOnly <Boolean?>]: The flag indicating whether the volume mount is read-only.

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

```
PS C:\>New-AzContainerInstanceObject -Name "test-container" -Image alpine -RequestCpu 1 -RequestMemoryInGb 1.5
```

----- EXAMPLE 2 -----

```
PS C:\>New-AzContainerInstanceObject -Image alpine -Name "test-container" -LimitCpu 2 -LimitMemoryInGb 2.5
```

----- EXAMPLE 3 -----

```
PS C:\>$container = New-AzContainerInstanceObject -Name test-container -Image alpine
```

```
New-AzContainerGroup -ResourceGroupName testrg-rg -Name test-cg -Location eastus -Container $container
```

RELATED LINKS

