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

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

NAME

New-AzContainerAppTemplateObject

SYNOPSIS

Create an in-memory object for Container.

SYNTAX

New-AzContainerAppTemplateObject [-Probe <IContainerAppProbe[]>] [-Arg <String[]>] [-Command <String[]>] [-Env <IEnvironmentVar[]>] [-Image <String>] [-Name <String>]

[-ResourceCpu <Double>] [-ResourceMemory <String>] [-VolumeMount <IVolumeMount[]>] [<CommonParameters>]

DESCRIPTION

Create an in-memory object for Container.

PARAMETERS

-Probe <IContainerAppProbe[]>

List of probes for the container.

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

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-Arg <String[]>

    Container start command arguments.

    Required?   false

    Position?   named

    Default value

    Accept pipeline input?   false

    Accept wildcard characters? false

-Command <String[]>

    Container start command.

    Required?   false

    Position?   named

    Default value

    Accept pipeline input?   false

    Accept wildcard characters? false

-Env <IEnvironmentVar[]>

    Container environment variables.

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

    Required?   false

    Position?   named

    Default value

Accept pipeline input?   false

Accept wildcard characters? false

-Image <String>

Container image tag.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-Name <String>

Custom container name.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-ResourceCpu <Double>

Required CPU in cores, e.g.

0.5.

Required?   false

Position?   named

Default value   0

Accept pipeline input?   false

Accept wildcard characters? false

-ResourceMemory <String>

Required memory, e.g.

"250Mb".

        Required?   false

        Position?   named

        Default value

        Accept pipeline input?   false

        Accept wildcard characters? false

    -VolumeMount <IVolumeMount[]>

        Container volume mounts.

        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).

INPUTS

OUTPUTS

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

ENV <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.

PROBE <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.

VOLUMEMOUNT <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.

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

PS C:\>$probeHttpGetHttpHeader = New-AzContainerAppProbeHeaderObject -Name "Custom-Header" -Value "Awesome"

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

New-AzContainerAppTemplateObject -Image "repo/testcontainerApp0:v1" -Name "testcontainerApp0" -Probe $probe

RELATED LINKS

https://learn.microsoft.com/powershell/module/Az.App/new-azcontainerapptemplateobject