Windows PowerShell Get-Help on Cmdlet 'Get-AzStorageContainer'

PS:\>Get-HELP Get-AzStorageContainer -Full

NAME

   Get-AzStorageContainer

SYNOPSIS

   Lists the storage containers.

SYNTAX

   Get-AzStorageContainer [[-Name] <System.String>] [-ClientTimeoutPerRequest <System.Nullable`1[System.Int32]>]
[-ConcurrentTaskCount <System.Nullable`1[System.Int32]>]

    [-Context <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-ContinuationToken
<Microsoft.Azure.Storage.Blob.BlobContinuationToken>]

     [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-IncludeDeleted] [-MaxCount

        <System.Nullable`1[System.Int32]>]     [-ServerTimeoutPerRequest     <System.Nullable`1[System.Int32]>]
[<CommonParameters>]

    Get-AzStorageContainer [-ClientTimeoutPerRequest <System.Nullable`1[System.Int32]>] [-ConcurrentTaskCount
<System.Nullable`1[System.Int32]>] [-Context

        <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>]   [-ContinuationToken

<Microsoft.Azure.Storage.Blob.BlobContinuationToken>]

[-DefaultProfile   <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-IncludeDeleted] [-MaxCount

<System.Nullable`1[System.Int32]>]   -Prefix   <System.String>   [-ServerTimeoutPerRequest
<System.Nullable`1[System.Int32]>] [<CommonParameters>]

DESCRIPTION

The Get-AzStorageContainer cmdlet lists the storage containers associated with the storage account in Azure.

PARAMETERS

  -ClientTimeoutPerRequest <System.Nullable`1[System.Int32]>

   Specifies the client-side time-out interval, in seconds, for one service request. If the previous call fails in the specified
interval, this cmdlet retries the

   request. If this cmdlet does not receive a successful response before the interval elapses, this cmdlet returns an error.

   Required?   false
   Position?   named
   Default value   None
   Accept pipeline input?   False
   Accept wildcard characters? false

  -ConcurrentTaskCount <System.Nullable`1[System.Int32]>

   Specifies the maximum concurrent network calls. You can use this parameter to limit the concurrency to throttle local
CPU and bandwidth usage by specifying the

   maximum number of concurrent network calls. The specified value is an absolute count and is not multiplied by the
core count. This parameter can help reduce

   network connection problems in low bandwidth environments, such as 100 kilobits per second. The default value is 10.

   Required?   false
   Position?   named
   Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-Context <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>

    Specifies the storage context. To create it, you can use the New-AzStorageContext cmdlet. The container permissions

won't be retrieved when you use a storage

    context created from SAS Token, because query container permissions requires Storage account key permission.

    Required?   false

    Position?   named

    Default value   None

    Accept pipeline input?   True (ByPropertyName, ByValue)

    Accept wildcard characters? false

-ContinuationToken <Microsoft.Azure.Storage.Blob.BlobContinuationToken>

    Specifies a continuation token for the blob list.

    Required?   false

    Position?   named

    Default value   None

    Accept pipeline input?   False

    Accept wildcard characters? false

-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>

    The credentials, account, tenant, and subscription used for communication with Azure.

    Required?   false

    Position?   named

    Default value   None

    Accept pipeline input?   False

    Accept wildcard characters? false

-IncludeDeleted <System.Management.Automation.SwitchParameter>

Include deleted containers, by default list containers won't include deleted containers

    Required?   false

    Position?   named

    Default value   False

    Accept pipeline input?   False

    Accept wildcard characters? false

-MaxCount <System.Nullable`1[System.Int32]>

    Specifies the maximum number of objects that this cmdlet returns.

    Required?   false

    Position?   named

    Default value   None

    Accept pipeline input?   False

    Accept wildcard characters? false

-Name <System.String>

    Specifies the container name. If container name is empty, the cmdlet lists all the containers. Otherwise, it lists all containers that match the specified name or

    the regular name pattern.

    Required?   false

    Position?   0

    Default value   None

    Accept pipeline input?   True (ByPropertyName, ByValue)

    Accept wildcard characters? true

-Prefix <System.String>

    Specifies a prefix used in the name of the container or containers you want to get. You can use this to find all containers that start with the same string, such

    as "my" or "test".

Required?   true

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

  -ServerTimeoutPerRequest <System.Nullable`1[System.Int32]>

     Specifies the service side time-out interval, in seconds, for a request. If the specified interval elapses before the service

processes the request, the storage

     service returns an error.

     Required?   false

     Position?   named

     Default value   None

     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

  System.String

  Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext

OUTPUTS

  Microsoft.WindowsAzure.Commands.Common.Storage.ResourceModel.AzureStorageContainer

NOTES

-------- Example 1: Get Azure Storage container by name --------

Get-AzStorageContainer -Name container*

This example uses a wildcard character to return a list of all containers with a name that starts with container.

Example 2: Get Azure Storage container by container name prefix

Get-AzStorageContainer -Prefix "container"

This example uses the Prefix parameter to return a list of all containers with a name that starts with container.

Example 3: List Azure Storage container, include deleted containers

$containers = Get-AzStorageContainer -IncludeDeleted -Context $ctx

$containers

   Storage Account Name: storageaccountname

Name   PublicAccess   LastModified   IsDeleted VersionId

```
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testcon           Off               8/28/2020 10:18:13 AM +00:00

testcon2                            9/4/2020 12:52:37 PM +00:00    True      01D67D248986B6DA

$c[1].BlobContainerProperties

LastModified                : 9/4/2020 12:52:37 PM +00:00
LeaseStatus                 : Unlocked
LeaseState                  : Expired
LeaseDuration               :
PublicAccess                :
HasImmutabilityPolicy       : False
HasLegalHold                : False
DefaultEncryptionScope      : $account-encryption-key
PreventEncryptionScopeOverride : False
DeletedOn                   : 9/8/2020 4:29:59 AM +00:00
RemainingRetentionDays      : 299
ETag                        : "0x8D850D167059285"
Metadata                    : {}
```

This example lists all containers of a storage account, include deleted containers. Then show the deleted container properties, include : DeletedOn,
RemainingRetentionDays. Deleted containers will only exist after enabled Container softdelete with Enable-AzStorageBlobDeleteRetentionPolicy.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.storage/get-azstoragecontainer

New-AzStorageContainer

Remove-AzStorageContainer

Set-AzStorageContainerAcl