



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

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

NAME

Get-AzStorageBlobByTag

SYNOPSIS

Lists blobs in a storage account across containers, with a blob tag filter sql expression.

SYNTAX

```
Get-AzStorageBlobByTag [-ClientTimeoutPerRequest <System.Nullable`1[System.Int32]>] [-ConcurrentTaskCount
<System.Nullable`1[System.Int32]>] [-Container
<System.String>] [-Context <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>]
[-ContinuationToken
<Microsoft.Azure.Storage.Blob.BlobContinuationToken>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-GetBlobProperty] [-MaxCount <System.Nullable`1[System.Int32]>] [-ServerTimeoutPerRequest
<System.Nullable`1[System.Int32]>] -TagFilterSqlExpression <System.String>
[<CommonParameters>]
```

The Get-AzStorageBlobByTag cmdlet lists blobs in a storage account across containers, with a blob tag filter sql expression.

PARAMETERS

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

The client side maximum execution time for each request in seconds.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

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

The total amount of concurrent async tasks. The default value is 10.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Container <System.String>

Container name, specify this parameter to only return all blobs whose tags match a search expression in the container.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

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

Azure Storage Context Object

Required? false
Position? named
Default value None
Accept pipeline input? True (ByPropertyName, ByValue)
Accept wildcard characters? false

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

Continuation Token.

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

-GetBlobProperty <System.Management.Automation.SwitchParameter>

As the blobs get by tag don't contain blob properties, specify this parameter to get blob properties with an additional request on each blob.

Required? false
Position? named
Default value False

Accept pipeline input? False

Accept wildcard characters? false

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

The max count of the blobs that can return.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

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

The server time out for each request in seconds.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-TagFilterSqlExpression <System.String>

Filters the result set to only include blobs whose tags match the specified expression. See details in

<https://learn.microsoft.com/en-us/rest/api/storageservices/find-blobs-by-tags#remarks>.

Required? true

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

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

OUTPUTS

Microsoft.WindowsAzure.Commands.Common.Storage.ResourceModel.AzureStorageBlob

NOTES

Example 1: List all blobs match a specific blob tag, across containers.

Get-AzStorageBlobByTag -TagFilterSqlExpression ""tag1""='value1'" -Context \$ctx

AccountName: storageaccountname, ContainerName: containername1

Name	BlobType	Length	ContentType	LastModified	AccessTier	SnapshotTime
IsDeleted	VersionId					
testblob					False	
testblob2					False	

AccountName: storageaccountname, ContainerName: containername2

Name	BlobType	Length	ContentType	LastModified	AccessTier	SnapshotTime
IsDeleted	VersionId					
----	-----	-----	-----	-----	-----	-----
testblob3					False	
testblob4					False	

This command lists all blobs in a storage account, which contains a tag with name "tag1" and value "value1".

Example 2: List blobs in a specific container and match a specific blob tag

```
Get-AzStorageBlobByTag -Container 'containername' -TagFilterSqlExpression ""tag1""='value1' -Context $ctx
```

AccountName: storageaccountname, ContainerName: containername

Name	BlobType	Length	ContentType	LastModified	AccessTier	SnapshotTime
IsDeleted	VersionId					
----	-----	-----	-----	-----	-----	-----
test1					False	
test2					False	

This command lists blobs in a container and match a specific blob tag.

Example 3: List all blobs match a specific blob tag, across containers, and get the blob properties.

Get-AzStorageBlobByTag -TagFilterSqlExpression ""tag1""='value1'" -GetBlobProperty

AccountName: storageaccountname, ContainerName: containername1

Name	BlobType	Length	ContentType	LastModified	AccessTier	SnapshotTime
IsDeleted	VersionId					
----	-----	-----	-----	-----	-----	-----
testblob	BlockBlob	2097152	application/octet-stream	2020-07-23 09:35:02Z	Hot	
False	2020-07-23T09:35:02.8527357Z *					
testblob2	BlockBlob	1048012	application/octet-stream	2020-07-23 09:35:05Z	Hot	
False	2020-07-23T09:35:05.2504530Z *					

AccountName: storageaccountname, ContainerName: containername2

Name	BlobType	Length	ContentType	LastModified	AccessTier	SnapshotTime
IsDeleted	VersionId					
----	-----	-----	-----	-----	-----	-----
testblob3	BlockBlob	100	application/octet-stream	2020-07-01 09:55:14Z	Hot	
False	2020-07-01T09:55:14.6507341Z *					
testblob4	BlockBlob	2024	application/octet-stream	2020-07-01 09:42:11Z	Hot	
False	2020-07-01T09:42:11.4283807Z *					

This command lists all blobs in a storage account, which contains a tag with name "tag1" and value "value1", and get the blob properties. Please note, to get blob

properties with parameter -GetBlobProperty, each blob will need an additional request, so the cmdlet runs show when there are many blobs.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.storage/get-azstorageblobbytag>