



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

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

NAME

Get-AzStorageBlobQueryResult

SYNOPSIS

Applies a simple Structured Query Language (SQL) statement on a blob's contents and save only the queried subset of the data to a local file.

SYNTAX

```
Get-AzStorageBlobQueryResult [-Blob] <System.String> [-Container] <System.String> [-ClientTimeoutPerRequest
<System.Nullable`1[System.Int32]>] [-ConcurrentTaskCount
<System.Nullable`1[System.Int32]>] [-Context
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Force]
[-InputTextConfiguration
<Microsoft.WindowsAzure.Commands.Common.Storage.ResourceModel.PSBlobQueryTextConfiguration>]
[-OutputTextConfiguration
<Microsoft.WindowsAzure.Commands.Common.Storage.ResourceModel.PSBlobQueryTextConfiguration>] [-PassThru]
-QueryString <System.String> -ResultFile <System.String>
[-ServerTimeoutPerRequest <System.Nullable`1[System.Int32]>] [-SnapshotTime
```

```

<System.Nullable`1[System.DateTimeOffset]>] [-TagCondition <System.String>] [-VersionId
    <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]

Get-AzStorageBlobQueryResult [-Blob] <System.String> -BlobContainerClient
<Azure.Storage.Blobs.BlobContainerClient> [-ClientTimeoutPerRequest
    <System.Nullable`1[System.Int32]>] [-ConcurrentTaskCount <System.Nullable`1[System.Int32]>] [-Context
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Force]
[-InputTextConfiguration
    <Microsoft.WindowsAzure.Commands.Common.Storage.ResourceModel.PSBlobQueryTextConfiguration>]
[-OutputTextConfiguration
    <Microsoft.WindowsAzure.Commands.Common.Storage.ResourceModel.PSBlobQueryTextConfiguration>] [-PassThru]
-QueryString <System.String> -ResultFile <System.String>
    [-ServerTimeoutPerRequest <System.Nullable`1[System.Int32]>] [-SnapshotTime
    <System.Nullable`1[System.DateTimeOffset]>] [-TagCondition <System.String>] [-VersionId
    <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]

Get-AzStorageBlobQueryResult -BlobBaseClient <Azure.Storage.Blobs.Specialized.BlobBaseClient>
[-ClientTimeoutPerRequest <System.Nullable`1[System.Int32]>]
    [-ConcurrentTaskCount <System.Nullable`1[System.Int32]>] [-Context
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Force]
[-InputTextConfiguration
    <Microsoft.WindowsAzure.Commands.Common.Storage.ResourceModel.PSBlobQueryTextConfiguration>]
[-OutputTextConfiguration
    <Microsoft.WindowsAzure.Commands.Common.Storage.ResourceModel.PSBlobQueryTextConfiguration>] [-PassThru]
-QueryString <System.String> -ResultFile <System.String>
    [-ServerTimeoutPerRequest <System.Nullable`1[System.Int32]>] [-TagCondition <System.String>] [-Confirm] [-WhatIf]
    [<CommonParameters>]

```

DESCRIPTION

The Get-AzStorageBlobQueryResult cmdlet applies a simple Structured Query Language (SQL) statement on a blob's

contents and save the queried subset of the data to a local file.

PARAMETERS

-Blob <System.String>

Blob name

Required? true

Position? 0

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-BlobBaseClient <Azure.Storage.Blobs.Specialized.BlobBaseClient>

BlobBaseClient Object

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-BlobContainerClient <Azure.Storage.Blobs.BlobContainerClient>

BlobContainerClient Object

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-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

Required? true
Position? 1
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

-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

-Force <System.Management.Automation.SwitchParameter>

Force to overwrite the existing file.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-InputTextConfiguration

<Microsoft.WindowsAzure.Commands.Common.Storage.ResourceModel.PSBlobQueryTextConfiguration>

The configuration used to handled the query input text. Create configuration object the with New-AzStorageBlobQueryConfig.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-OutputTextConfiguration

<Microsoft.WindowsAzure.Commands.Common.Storage.ResourceModel.PSBlobQueryTextConfiguration>

The configuration used to handle the query output text. Create configuration object with New-AzStorageBlobQueryConfig.

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

-PassThru <System.Management.Automation.SwitchParameter>

Return whether the specified blob is successfully queried.

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

-QueryString <System.String>

Query string, see more details in: <https://learn.microsoft.com/azure/storage/blobs/query-acceleration-sql-reference>

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

-ResultFile <System.String>

Local file path to save the query result.

Required?	true
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

-SnapshotTime <System.Nullable`1[System.DateTimeOffset]>

Blob SnapshotTime

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-TagCondition <System.String>

Optional Tag expression statement to check match condition. The blob request will fail when the blob tags does not match the given expression. See details in

<https://learn.microsoft.com/en-us/rest/api/storageservices/specifying-conditional-headers-for-blob-service-operations#tags-conditional-operations>.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-VersionId <System.String>

Blob VersionId

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Confirm <System.Management.Automation.SwitchParameter>

Prompts you for confirmation before running the cmdlet.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-WhatIf <System.Management.Automation.SwitchParameter>

Shows what would happen if the cmdlet runs. The cmdlet is not run.

Required? false

Position? named

Default value False

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

Azure.Storage.Blobs.Specialized.BlobBaseClient

Azure.Storage.Blobs.BlobContainerClient

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

OUTPUTS

System.Boolean

NOTES

----- Example 1: Query a blob -----

```
$inputconfig = New-AzStorageBlobQueryConfig -AsCsv -HasHeader
```

```
$outputconfig = New-AzStorageBlobQueryConfig -AsJson
```

```
$queryString = "SELECT * FROM BlobStorage WHERE Name = 'a'"
```

```
$result = Get-AzStorageBlobQueryResult -Container $containerName -Blob $blobName -QueryString $queryString  
-ResultFile "c:\resultfile.json" -InputTextConfiguration
```

```
$inputconfig -OutputTextConfiguration $outputconfig -Context $ctx
```

\$result

BytesScanned FailureCount BlobQueryError

449 0

This command queries a blob successfully with input config as csv, and output config as json, and save the output to local file "c:\resultfile.json".

----- Example 2: Query a blob snapshot -----

```
$blob = Get-AzStorageBlob -Container $containerName -Blob $blobName -SnapshotTime
"2020-07-29T11:08:21.1097874Z" -Context $ctx
```

```
$inputconfig = New-AzStorageBlobQueryConfig -AsCsv -ColumnSeparator "," -QuotationCharacter "''" -EscapeCharacter
"\ " -RecordSeparator "`n" -HasHeader
```

```
$outputconfig = New-AzStorageBlobQueryConfig -AsJson -RecordSeparator "`n"
```

```
$queryString = "SELECT * FROM BlobStorage WHERE _1 LIKE '1%'"
```

```
$result = $blob | Get-AzStorageBlobQueryResult -QueryString $queryString -ResultFile $localFilePath
-InputTextConfiguration $inputconfig -OutputTextConfiguration
$outputconfig
```

\$result

BytesScanned FailureCount BlobQueryError

187064971 1 {ParseError}

\$result.BlobQueryError

Name	Description	IsFatal	Position
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ParseError	Unexpected token '1' at [byte: 3077737]. Expecting token ','.	True	7270632
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This command first gets a blob object for blob snapshot, then queries the blob snapshot and show the result include query error.

RELATED LINKS

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