



## ***Windows PowerShell Get-Help on Cmdlet 'Get-AzStorageBlobContent'***

***PS:\>Get-HELP Get-AzStorageBlobContent -Full***

### NAME

Get-AzStorageBlobContent

### SYNOPSIS

Downloads a storage blob.

### SYNTAX

```
Get-AzStorageBlobContent -AbsoluteUri <System.String> [-AsJob] [-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>] [-Destination
<System.String>] [-Force] [-ServerTimeoutPerRequest
<System.Nullable`1[System.Int32]>] [-TagCondition <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Get-AzStorageBlobContent [-Blob] <System.String> [-Container] <System.String> [-AsJob] [-CheckMd5]
[-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>] [-Destination
<System.String>] [-Force] [-ServerTimeoutPerRequest
    <System.Nullable`1[System.Int32]>] [-TagCondition <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]

    Get-AzStorageBlobContent [-Blob] <System.String> [-AsJob] [-CheckMd5] [-ClientTimeoutPerRequest
<System.Nullable`1[System.Int32]>] -CloudBlobContainer
    <Microsoft.Azure.Storage.Blob.CloudBlobContainer> [-ConcurrentTaskCount <System.Nullable`1[System.Int32]>]
[-Context
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Destination
<System.String>] [-Force] [-ServerTimeoutPerRequest
    <System.Nullable`1[System.Int32]>] [-TagCondition <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]

    Get-AzStorageBlobContent [-AsJob] [-BlobBaseClient <Azure.Storage.Blobs.Specialized.BlobBaseClient>] [-CheckMd5]
[-ClientTimeoutPerRequest
    <System.Nullable`1[System.Int32]>] -CloudBlob <Microsoft.Azure.Storage.Blob.CloudBlob> [-ConcurrentTaskCount
<System.Nullable`1[System.Int32]>] [-Context
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Destination
<System.String>] [-Force] [-ServerTimeoutPerRequest
    <System.Nullable`1[System.Int32]>] [-TagCondition <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]

```

## DESCRIPTION

The Get-AzStorageBlobContent cmdlet downloads the specified storage blob. If the blob name is not valid for the local computer, this cmdlet automatically resolves it

if it is possible.

## PARAMETERS

-AbsoluteUri <System.String>

Blob uri to download from.

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

-AsJob <System.Management.Automation.SwitchParameter>

Run cmdlet in the background.

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

-Blob <System.String>

Specifies the name of the blob to be downloaded.

Required? true  
Position? 0  
Default value None  
Accept pipeline input? False  
Accept wildcard characters? false

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

BlobBaseClient Object

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

-CheckMd5 <System.Management.Automation.SwitchParameter>

Specifies whether to check the Md5 sum for the downloaded file.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-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

-CloudBlob <Microsoft.Azure.Storage.Blob.CloudBlob>

Specifies a cloud blob. To obtain a CloudBlob object, use the Get-AzStorageBlob cmdlet.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-CloudBlobContainer <Microsoft.Azure.Storage.Blob.CloudBlobContainer>

Specifies a CloudBlobContainer object from the Azure storage client library. You can create it or use the Get-AzStorageContainer cmdlet.

|                             |                       |
|-----------------------------|-----------------------|
| Required?                   | true                  |
| Position?                   | named                 |
| Default value               | None                  |
| Accept pipeline input?      | True (ByPropertyName) |
| 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 |

**-Container** <System.String>

Specifies the name of container that has the blob you want to download.

|                             |       |
|-----------------------------|-------|
| Required?                   | true  |
| Position?                   | 1     |
| Default value               | None  |
| Accept pipeline input?      | False |
| Accept wildcard characters? | false |

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

Specifies the Azure storage account from which you want to download blob content. You can use the New-AzStorageContext cmdlet to create a storage context.

|           |       |
|-----------|-------|
| 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

-Destination <System.String>

Specifies the location to store the downloaded file.

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

-Force <System.Management.Automation.SwitchParameter>

Overwrites an existing file without confirmation.

Required?                false  
Position?                named  
Default value            False  
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 |

-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 |

-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

Microsoft.Azure.Storage.Blob.CloudBlob

Microsoft.Azure.Storage.Blob.CloudBlobContainer

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

#### OUTPUTS

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

#### NOTES

\* If the blob name is invalid for local computer, this cmdlet autoresolves it, if it is possible.

----- Example 1: Download blob content by name -----

```
Get-AzStorageBlobContent -Container "ContainerName" -Blob "Blob" -Destination "C:\test\"
```

This command downloads a blob by name.

----- Example 2: Download blob content using the pipeline -----

```
Get-AzStorageBlob -Container containername -Blob blobname | Get-AzStorageBlobContent
```

This command uses the pipeline to find and download blob content.

Example 3: Download blob content using the pipeline and a wildcard character

```
Get-AzStorageContainer container* | Get-AzStorageBlobContent -Blob "cbox.exe" -Destination "C:\test"
```

This example uses the asterisk wildcard character and the pipeline to find and download blob content.

Example 4: Get a blob object and save it in a variable, then download blob content with the blob object

```
$blob = Get-AzStorageBlob -Container containername -Blob blobname
```

```
Get-AzStorageBlobContent -CloudBlob $blob.ICloudBlob -Destination "C:\test"
```

This example first get a blob object and save it in a variable, then download blob content with the blob object.

----- Example 5: Download a blob content with blob Uri -----

```
Get-AzStorageBlobContent -Uri $blobUri -Destination "C:\test" -Force
```

This example will download a blob content with Uri, the Uri can be a Uri with Sas token. If the blob is on a managed disk account, and server requires a bearer token

besides Sas Uri to download, the cmdlet will try to generate a bearer token with server returned audience and the login AAD user credential, then download blob with

both Sas Uri and bearer token.

#### RELATED LINKS

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

Set-AzStorageBlobContent

Get-AzStorageBlob

Remove-AzStorageBlob