



Windows PowerShell Get-Help on Cmdlet 'Set-AzStorageBlobContent'

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

NAME

Set-AzStorageBlobContent

SYNOPSIS

Uploads a local file to an Azure Storage blob.

SYNTAX

```
Set-AzStorageBlobContent [-File] <System.String> [-Container] <System.String> [-AsJob] [-Blob <System.String>]
[-BlobType {Block | Page | Append}]
                        [-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>] [-EncryptionScope
<System.String>] [-Force] [-Metadata
<System.Collections.Hashtable>] [-PremiumPageBlobTier {Unknown | P4 | P6 | P10 | P20 | P30 | P40 | P50 | P60 | P70 |
P80}] [-Properties
<System.Collections.Hashtable>] [-ServerTimeoutPerRequest <System.Nullable`1[System.Int32]>] [-StandardBlobTier
<System.String>] [-Tag <System.Collections.Hashtable>]
[-TagCondition <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

```

Set-AzStorageBlobContent [-File] <System.String> [-AsJob] [-Blob <System.String>] [-BlobType {Block | Page | Append}]
[-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>] [-EncryptionScope
<System.String>] [-Force] [-Metadata
    <System.Collections.Hashtable>] [-PremiumPageBlobTier {Unknown | P4 | P6 | P10 | P20 | P30 | P40 | P50 | P60 | P70 |
P80}] [-Properties
    <System.Collections.Hashtable>] [-ServerTimeoutPerRequest <System.Nullable`1[System.Int32]>] [-StandardBlobTier
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[-TagCondition <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]

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Set-AzStorageBlobContent [-File] <System.String> [-AsJob] [-BlobType {Block | Page | Append}]
[-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>] [-EncryptionScope
<System.String>] [-Force] [-Metadata
    <System.Collections.Hashtable>] [-PremiumPageBlobTier {Unknown | P4 | P6 | P10 | P20 | P30 | P40 | P50 | P60 | P70 |
P80}] [-Properties
    <System.Collections.Hashtable>] [-ServerTimeoutPerRequest <System.Nullable`1[System.Int32]>] [-StandardBlobTier
<System.String>] [-Tag <System.Collections.Hashtable>]
[-TagCondition <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]

```

DESCRIPTION

The Set-AzStorageBlobContent cmdlet uploads a local file to an Azure Storage blob.

PARAMETERS

-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 a blob. This cmdlet uploads a file to the Azure Storage blob that this parameter specifies.

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

-BlobType <System.String>

Specifies the type for the blob that this cmdlet uploads. The acceptable values for this parameter are: - Block

- Page

- Append

The default value is Block.

Required?	false
Position?	named
Default value	None
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 CloudBlob object. 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. This cmdlet uploads content to a blob in the container that this parameter specifies.

To obtain a CloudBlobContainer object, 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 a container. This cmdlet uploads a file to a blob in the container that this parameter specifies.

Required? true

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? false

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

Specifies an Azure storage context. To obtain a storage context, use the New-AzStorageContext cmdlet. To use a storage context created from a SAS Token without

read permission, need add -Force parameter to skip check blob existence.

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

-EncryptionScope <System.String>

Encryption scope to be used when making requests to the blob.

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

-File <System.String>

Specifies a local file path for a file to upload as blob content.

Required?	true
Position?	0
Default value	None
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

-Force <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet overwrites an existing blob without prompting you for confirmation.

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

Accept wildcard characters? false

-Metadata <System.Collections.Hashtable>

Specifies metadata for the uploaded blob.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

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

Page Blob Tier

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Properties <System.Collections.Hashtable>

Specifies properties for the uploaded blob. The supported properties are: CacheControl, ContentDisposition, ContentEncoding, ContentLanguage, ContentMD5, ContentType.

Required? false

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

-StandardBlobTier <System.String>

Block Blob Tier, valid values are Hot/Cool/Archive/Cold. See detail in

<https://learn.microsoft.com/azure/storage/blobs/storage-blob-storage-tiers>

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Tag <System.Collections.Hashtable>

Blob Tags

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#tag-c>

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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

System.String

Microsoft.Azure.Storage.Blob.CloudBlobContainer

Microsoft.Azure.Storage.Blob.CloudBlob

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

OUTPUTS

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

NOTES

----- Example 1: Upload a named file -----

```
Set-AzStorageBlobContent -Container "ContosoUpload" -File ".\PlanningData" -Blob "Planning2015"
```

This command uploads the file that is named PlanningData to a blob named Planning2015.

----- Example 2: Upload all files under the current folder -----

```
Get-ChildItem -File -Recurse | Set-AzStorageBlobContent -Container "ContosoUploads"
```

This command uses the core Windows PowerShell cmdlet Get-ChildItem to get all the files in the current folder and in subfolders, and then passes them to the current

cmdlet by using the pipeline operator. The Set-AzStorageBlobContent cmdlet uploads the files to the container named ContosoUploads.

----- Example 3: Overwrite an existing blob -----

```
Get-AzStorageBlob -Container "ContosoUploads" -Blob "Planning2015" | Set-AzStorageBlobContent -File "ContosoPlanning"
```

This command gets the blob named Planning2015 in the ContosoUploads container by using the Get-AzStorageBlob cmdlet, and then passes that blob to the current cmdlet.

The command uploads the file that is named ContosoPlanning as Planning2015. This command does not specify the Force parameter. The command prompts you for confirmation. If you confirm the command, the cmdlet overwrites the existing blob.

Example 4: Upload a file to a container by using the pipeline

```
Get-AzStorageContainer -Container "ContosoUpload*" | Set-AzStorageBlobContent -File "ContosoPlanning" -Blob "Planning2015"
```

This command gets the container that starts with the string ContosoUpload by using the Get-AzStorageContainer cmdlet, and then passes that blob to the current cmdlet.

The command uploads the file that is named ContosoPlanning as Planning2015.

Example 5: Upload a file to page blob with metadata and PremiumPageBlobTier as P10

```
$Metadata = @{"key" = "value"; "name" = "test"}
```

```
Set-AzStorageBlobContent -File "ContosoPlanning" -Container "ContosoUploads" -Metadata $Metadata -BlobType Page
```

-PremiumPageBlobTier P10

The first command creates a hash table that contains metadata for a blob, and stores that hash table in the \$Metadata variable. The second command uploads the file that is named ContosoPlanning to the container named ContosoUploads. The blob includes the metadata stored in \$Metadata, and has PremiumPageBlobTier as P10.

Example 6: Upload a file to blob with specified blob properties, and set StandardBlobTier as Cool

```
$filepath = "c:\temp\index.html"

Set-AzStorageBlobContent -File $filepath -Container "contosouploads" -Properties @{"ContentType" =
[System.Web.MimeMapping]::GetMimeMapping($filepath); "ContentMD5" =
"i727sP7HigloQDsquadNLHw==" } -StandardBlobTier Cool
```

AccountName: storageaccountname, ContainerName: contosouploads

Name	BlobType	Length	ContentType	LastModified	AccessTier	SnapshotTime
IsDeleted	VersionId					
----	-----	-----	-----	-----	-----	-----
index.html	BlockBlob	403116	text/html	2020-09-22 08:06:53Z	Cool	False

This command uploads the file c:\temp\index.html to the container named contosouploads with specified blob properties, and set StandardBlobTier as Cool. This command gets ContentType value set to blob properties by [System.Web.MimeMapping]::GetMimeMapping() API.

--- Example 7: Upload a file to a blob with Encryption Scope ---

```
$blob = Set-AzStorageBlobContent -File "mylocalfile" -Container "mycontainer" -Blob "myblob" -EncryptionScope
"myencryptscope"
```

```
$blob.BlobProperties.EncryptionScope
```

```
myencryptscope
```

This command uploads a file to a blob with Encryption Scope.

RELATED LINKS

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

[Get-AzStorageBlobContent](#)

[Get-AzStorageBlob](#)

[Remove-AzStorageBlob](#)