



Windows PowerShell Get-Help on Cmdlet 'Start-AzStorageBlobCopy'

PS:\>Get-HELP Start-AzStorageBlobCopy -Full

NAME

Start-AzStorageBlobCopy

SYNOPSIS

Starts to copy a blob.

SYNTAX

```
Start-AzStorageBlobCopy -AbsoluteUri <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>] -DestBlob
<System.String> -DestContainer <System.String> [-DestContext
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DestTagCondition
<System.String>] [-Force] [-RehydratePriority {Standard | High}]
[-ServerTimeoutPerRequest <System.Nullable`1[System.Int32]>] [-StandardBlobTier <System.String>] [-Tag
<System.Collections.Hashtable>] [-TagCondition <System.String>]
[-Confirm] [-WhatIf] [<CommonParameters>]
```

```

        Start-AzStorageBlobCopy [-BlobBaseClient <Azure.Storage.Blobs.Specialized.BlobBaseClient>]
[-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>] [-DestBlob
<System.String>] -DestContainer <System.String> [-DestContext
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DestTagCondition
<System.String>] [-Force] [-PremiumPageBlobTier {Unknown | P4 | P6 |
    P10 | P20 | P30 | P40 | P50 | P60 | P70 | P80}] [-RehydratePriority {Standard | High}] [-ServerTimeoutPerRequest
<System.Nullable`1[System.Int32]>] [-StandardBlobTier
    <System.String>] [-Tag <System.Collections.Hashtable>] [-TagCondition <System.String>] [-Confirm] [-WhatIf]
[<CommonParameters>]

```

```

        Start-AzStorageBlobCopy [-BlobBaseClient <Azure.Storage.Blobs.Specialized.BlobBaseClient>]
[-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>] -DestCloudBlob
<Microsoft.Azure.Storage.Blob.CloudBlob> [-DestContext
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DestTagCondition
<System.String>] [-Force] [-PremiumPageBlobTier {Unknown | P4 | P6 |
    P10 | P20 | P30 | P40 | P50 | P60 | P70 | P80}] [-RehydratePriority {Standard | High}] [-ServerTimeoutPerRequest
<System.Nullable`1[System.Int32]>] [-StandardBlobTier
    <System.String>] [-Tag <System.Collections.Hashtable>] [-TagCondition <System.String>] [-Confirm] [-WhatIf]
[<CommonParameters>]

```

```

        Start-AzStorageBlobCopy [-SrcBlob] <System.String> [-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>] [-DestBlob
<System.String>] -DestContainer <System.String> [-DestContext

```

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DestTagCondition
 <System.String>] [-Force] [-PremiumPageBlobTier {Unknown | P4 | P6 |
 P10 | P20 | P30 | P40 | P50 | P60 | P70 | P80}] [-RehydratePriority {Standard | High}] [-ServerTimeoutPerRequest
 <System.Nullable`1[System.Int32]>] [-StandardBlobTier
 <System.String>] [-Tag <System.Collections.Hashtable>] [-TagCondition <System.String>] [-Confirm] [-WhatIf]
 [<CommonParameters>]

Start-AzStorageBlobCopy [-SrcBlob] <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>] [-DestBlob
 <System.String>] -DestContainer <System.String> [-DestContext
 <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DestTagCondition
 <System.String>] [-Force] [-PremiumPageBlobTier {Unknown | P4 | P6 |
 P10 | P20 | P30 | P40 | P50 | P60 | P70 | P80}] [-RehydratePriority {Standard | High}] [-ServerTimeoutPerRequest
 <System.Nullable`1[System.Int32]>] -SrcContainer
 <System.String> [-StandardBlobTier <System.String>] [-Tag <System.Collections.Hashtable>] [-TagCondition
 <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]

Start-AzStorageBlobCopy [-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>] [-DestBlob
 <System.String>] -DestContainer <System.String> [-DestContext
 <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DestTagCondition
 <System.String>] [-Force] [-RehydratePriority {Standard | High}]
 [-ServerTimeoutPerRequest <System.Nullable`1[System.Int32]>] -SrcFilePath <System.String> -SrcShareName
 <System.String> [-StandardBlobTier <System.String>] [-Tag
 <System.Collections.Hashtable>] [-Confirm] [-WhatIf] [<CommonParameters>]

Start-AzStorageBlobCopy [-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>] [-DestBlob
<System.String>] -DestContainer <System.String> [-DestContext
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DestTagCondition
<System.String>] [-Force] [-RehydratePriority {Standard | High}]
    [-ServerTimeoutPerRequest <System.Nullable`1[System.Int32]>] -SrcFilePath <System.String> -SrcShare
<Microsoft.Azure.Storage.File.CloudFileShare> [-StandardBlobTier
    <System.String>] [-Tag <System.Collections.Hashtable>] [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

Start-AzStorageBlobCopy [-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>] [-DestBlob
<System.String>] -DestContainer <System.String> [-DestContext
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DestTagCondition
<System.String>] [-Force] [-RehydratePriority {Standard | High}]
    [-ServerTimeoutPerRequest <System.Nullable`1[System.Int32]>] -SrcDir
<Microsoft.Azure.Storage.File.CloudFileDirectory> -SrcFilePath <System.String> [-StandardBlobTier
    <System.String>] [-Tag <System.Collections.Hashtable>] [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

Start-AzStorageBlobCopy [-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>] [-DestBlob
<System.String>] -DestContainer <System.String> [-DestContext
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DestTagCondition
<System.String>] [-Force] [-RehydratePriority {Standard | High}]
    [-ServerTimeoutPerRequest <System.Nullable`1[System.Int32]>] -SrcFile <Microsoft.Azure.Storage.File.CloudFile>
[-StandardBlobTier <System.String>] [-Tag
    <System.Collections.Hashtable>] [-Confirm] [-WhatIf] [<CommonParameters>]

```

```

Start-AzStorageBlobCopy [-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>] -DestCloudBlob
<Microsoft.Azure.Storage.Blob.CloudBlob> [-DestContext
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DestTagCondition
<System.String>] [-Force] [-RehydratePriority {Standard | High}]
    [-ServerTimeoutPerRequest <System.Nullable`1[System.Int32]>] -SrcFile <Microsoft.Azure.Storage.File.CloudFile>
[-StandardBlobTier <System.String>] [-Tag
    <System.Collections.Hashtable>] [-Confirm] [-WhatIf] [<CommonParameters>]

```

DESCRIPTION

The Start-AzStorageBlobCopy cmdlet starts to copy a blob.

PARAMETERS

-AbsoluteUri <System.String>

Specifies the absolute URI of a file to copy to an Azure Storage blob.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

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

-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 from Azure Storage Client library. To obtain a CloudBlob object, use the Get-AzStorageBlob cmdlet.

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

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

Specifies a CloudBlobContainer object from the Azure Storage Client library. This cmdlet copies a blob from 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

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

Specifies an Azure storage context. To obtain a storage context, use the New-AzStorageContext cmdlet.

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

-DestBlob <System.String>

Specifies the name of the destination blob.

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

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

Specifies a destination CloudBlob object

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

-DestContainer <System.String>

Specifies the name of the destination container.

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

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

Specifies an Azure storage context. To obtain a storage context, use the New-AzStorageContext cmdlet.

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

-DestTagCondition <System.String>

Optional Tag expression statement to check match condition on the destination Blob. The blob request will fail when the destination 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

-Force <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet overwrites the destination blob without prompting you for confirmation.

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

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

Premium Page Blob Tier

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

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

Block Blob RehydratePriority. Indicates the priority with which to rehydrate an archived blob. Valid values are High/Standard.

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

-SrcBlob <System.String>

Specifies the name of the source blob.

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

-SrcContainer <System.String>

Specifies the name of the source container.

Required?	true
-----------	------

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

-SrcDir <Microsoft.Azure.Storage.File.CloudFileDirectory>

Specifies a CloudFileDirectory object from Azure Storage Client library.

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

-SrcFile <Microsoft.Azure.Storage.File.CloudFile>

Specifies a CloudFile object from Azure Storage Client library. You can create it or use Get-AzStorageFile cmdlet.

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

-SrcFilePath <System.String>

Specifies the source file relative path of source directory or source share.

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

-SrcShare <Microsoft.Azure.Storage.File.CloudFileShare>

Specifies a CloudFileShare object from Azure Storage Client library. You can create it or use Get-AzStorageShare cmdlet.

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

-SrcShareName <System.String>

Specifies the source share name.

Required?	true
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 on the source blob. The blob request will fail when the source 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.Storage.File.CloudFile

System.String

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

OUTPUTS

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

NOTES

----- Example 1: Copy a named blob -----

```
Start-AzStorageBlobCopy -SrcBlob "ContosoPlanning2015" -DestContainer "ContosoArchives" -SrcContainer "ContosoUploads"
```

This command starts the copy operation of the blob named ContosoPlanning2015 from the container named ContosoUploads to the container named ContosoArchives.

----- Example 2: Get a container to specify blobs to copy -----

```
Get-AzStorageContainer -Name "ContosoUploads" | Start-AzStorageBlobCopy -SrcBlob "ContosoPlanning2015" -DestContainer "ContosoArchives"
```

This command gets the container named ContosoUploads, by using the Get-AzStorageContainer cmdlet, and then passes the container to the current cmdlet by using the

pipeline operator. That cmdlet starts the copy operation of the blob named ContosoPlanning2015. The previous cmdlet provides the source container. The DestContainer parameter specifies ContosoArchives as the destination container.

----- Example 3: Get all blobs in a container and copy them -----

```
Get-AzStorageBlob -Container "ContosoUploads" | Start-AzStorageBlobCopy -DestContainer "ContosoArchives"
```

This command gets the blobs in the container named ContosoUploads, by using the Get-AzStorageBlob cmdlet, and then passes the results to the current cmdlet by using

the pipeline operator. That cmdlet starts the copy operation of the blobs to the container named ContosoArchives.

----- Example 4: Copy a blob specified as an object -----

```
$SrcBlob = Get-AzStorageBlob -Container "ContosoUploads" -Blob "ContosoPlanning2015"  
$DestBlob = Get-AzStorageBlob -Container "ContosoArchives" -Blob "ContosoPlanning2015Archived"  
Start-AzStorageBlobCopy -ICloudBlob $SrcBlob.ICloudBlob -DestICloudBlob $DestBlob.ICloudBlob
```

The first command gets the blob named ContosoPlanning2015 in the container named ContosoUploads. The command stores that object in the \$SrcBlob variable. The second

command gets the blob named ContosoPlanning2015Archived in the container named ContosoArchives. The command stores that object in the \$DestBlob variable. The last

command starts the copy operation from the source container to the destination container. The command uses standard dot notation to specify the ICloudBlob objects for

the \$SrcBlob and \$DestBlob blobs.

----- Example 5: Copy a blob from a URI -----

```
$Context = New-AzStorageContext -StorageAccountName "ContosoGeneral" -StorageAccountKey "< Storage Key for  
ContosoGeneral ends with == >"
```

```
Start-AzStorageBlobCopy -AbsoluteUri "http://www.contosointernal.com/planning" -DestContainer "ContosoArchive"  
-DestBlob "ContosoPlanning2015" -DestContext $Context
```

This command creates a context for the account named ContosoGeneral that uses the specified key, and then stores that key in the \$Context variable. The second command

copies the file from the specified URI to the blob named ContosoPlanning in the container named ContosoArchive. The command starts the copy operation to the

destination context stored in \$Context. There are no source storage context, so the source Uri must have access to the source object. E.g: if the source is a none

public Azure blob, the Uri should contain SAS token which has read access to the blob.

Example 6: Copy a block blob to destination container with a new blob name, and set destination blob StandardBlobTier as Hot, RehydratePriority as High


```
Start-AzStorageBlobCopy -SrcContainer "ContosoUploads" -SrcBlob "BlockBlobName" -DestContainer  
"ContosoArchives" -DestBlob "NewBlockBlobName" -StandardBlobTier Hot  
-RehydratePriority High
```

This command starts the copy operation of a block blob to destination container with a new blob name, and set destination blob StandardBlobTier as Hot,
RehydratePriority as High

RELATED LINKS

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

Get-AzStorageBlobCopyState

Stop-AzStorageBlobCopy