



Windows PowerShell Get-Help on Cmdlet 'New-AzStorageBlobSASToken'

PS:\>Get-HELP New-AzStorageBlobSASToken -Full

NAME

New-AzStorageBlobSASToken

SYNOPSIS

Generates a SAS token for an Azure storage blob.

SYNTAX

```
New-AzStorageBlobSASToken [-Container] <System.String> [-Blob] <System.String> [-Context
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EncryptionScope
<System.String>] [-ExpiryTime
<System.Nullable`1[System.DateTime]>] [-FullUri] [-IPAddressOrRange <System.String>] [-Permission <System.String>]
[-Protocol {HttpsOnly | HttpsOrHttp}] [-StartTime
<System.Nullable`1[System.DateTime]>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
New-AzStorageBlobSASToken [-Container] <System.String> [-Blob] <System.String> [-Context
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EncryptionScope
<System.String>] [-ExpiryTime
```

```

    <System.Nullable`1[System.DateTime]>] [-FullUri] [-IPAddressOrRange <System.String>] -Policy <System.String>
[-Protocol {HttpsOnly | HttpsOrHttp}] [-StartTime
    <System.Nullable`1[System.DateTime]>] [-Confirm] [-WhatIf] [<CommonParameters>]

    New-AzStorageBlobSASToken [-BlobBaseClient <Azure.Storage.Blobs.Specialized.BlobBaseClient>] -CloudBlob
<Microsoft.Azure.Storage.Blob.CloudBlob> [-Context
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EncryptionScope
<System.String>] [-ExpiryTime
    <System.Nullable`1[System.DateTime]>] [-FullUri] [-IPAddressOrRange <System.String>] -Policy <System.String>
[-Protocol {HttpsOnly | HttpsOrHttp}] [-StartTime
    <System.Nullable`1[System.DateTime]>] [-Confirm] [-WhatIf] [<CommonParameters>]

    New-AzStorageBlobSASToken [-BlobBaseClient <Azure.Storage.Blobs.Specialized.BlobBaseClient>] -CloudBlob
<Microsoft.Azure.Storage.Blob.CloudBlob> [-Context
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EncryptionScope
<System.String>] [-ExpiryTime
    <System.Nullable`1[System.DateTime]>] [-FullUri] [-IPAddressOrRange <System.String>] [-Permission <System.String>]
[-Protocol {HttpsOnly | HttpsOrHttp}] [-StartTime
    <System.Nullable`1[System.DateTime]>] [-Confirm] [-WhatIf] [<CommonParameters>]

```

DESCRIPTION

The New-AzStorageBlobSASToken cmdlet generates a Shared Access Signature (SAS) token for an Azure storage blob.

PARAMETERS

-Blob <System.String>

Specifies the storage blob name.

Required? true

Position? 1

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

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

 Specifies the CloudBlob object. To obtain a CloudBlob object, use the Get-AzStorageBlob
(./Get-AzStorageBlob.md)cmdlet.

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

-Container <System.String>

 Specifies the storage container name.

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

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

Specifies the storage context. When the storage context is based on OAuth authentication, will generates a User Identity blob SAS token.

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 use when sending requests authorized with this SAS URI.

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

-ExpiryTime <System.Nullable`1[System.DateTime]>

Specifies when the shared access signature expires. When the storage context is based on OAuth authentication, the expire time must be in 7 days from current time, and must not be earlier than current time.

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

-FullUri <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet return the full blob URI and the shared access signature token.

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

-IPAddressOrRange <System.String>

Specifies the IP address or range of IP addresses from which to accept requests, such as 168.1.5.65 or 168.1.5.60-168.1.5.70. The range is inclusive.

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

-Permission <System.String>

Specifies the permissions for a storage blob. It is important to note that this is a string, like `rwd` (for Read, Write and Delete).

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

-Policy <System.String>

Specifies an Azure Stored Access Policy.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Protocol <System.Nullable`1[Microsoft.Azure.Storage.SharedAccessProtocol]>

Specifies the protocol permitted for a request. The acceptable values for this parameter are: * HttpsOnly

* HttpsOrHttp

The default value is HttpsOrHttp.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-StartTime <System.Nullable`1[System.DateTime]>

Specifies the time at which the shared access signature becomes valid.

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).

INPUTS

Microsoft.Azure.Storage.Blob.CloudBlob

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

OUTPUTS

System.String

NOTES

Example 1: Generate a blob SAS token with full blob permission

```
New-AzStorageBlobSASToken -Container "ContainerName" -Blob "BlobName" -Permission rwd
```

This example generates a blob SAS token with full blob permission.

----- Example 2: Generate a blob SAS token with life time -----

```
$StartTime = Get-Date
```

```
$EndTime = $startTime.AddHours(2.0)
```

```
New-AzStorageBlobSASToken -Container "ContainerName" -Blob "BlobName" -Permission rwd -StartTime $StartTime  
-ExpiryTime $EndTime
```

This example generates a blob SAS token with life time.

Example 3: Generate a User Identity SAS token with storage context based on OAuth authentication

```
$ctx = New-AzStorageContext -StorageAccountName $accountName -UseConnectedAccount
```

```
$StartTime = Get-Date
```

```
$EndTime = $startTime.AddDays(6)
```

```
New-AzStorageBlobSASToken -Container "ContainerName" -Blob "BlobName" -Permission rwd -StartTime $StartTime  
-ExpiryTime $EndTime -Context $ctx
```

This example generates a User Identity blob SAS token with storage context based on OAuth authentication

RELATED LINKS

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

[Get-AzStorageBlob](#)

[New-AzStorageContainerSASToken](#)