



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

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

NAME

New-AzStorageFileSASToken

SYNOPSIS

Generates a shared access signature token for a Storage file.

SYNTAX

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

```
New-AzStorageFileSASToken [-ShareName] <System.String> [-Path] <System.String> [-Context  
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DefaultProfile  
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ExpiryTime  
<System.Nullable`1[System.DateTime]>] [-FullUri]
```

```

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

[<CommonParameters>]

```

```

New-AzStorageFileSASToken [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ExpiryTime
<System.Nullable`1[System.DateTime]>] -File <Microsoft.Azure.Storage.File.CloudFile> [-FullUri] [-IPAddressOrRange
<System.String>] [-Permission <System.String>]

[-Protocol {HttpsOnly | HttpsOrHttp}] [-StartTime <System.Nullable`1[System.DateTime]>] [<CommonParameters>]

```

```

New-AzStorageFileSASToken [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ExpiryTime
<System.Nullable`1[System.DateTime]>] -File <Microsoft.Azure.Storage.File.CloudFile> [-FullUri] [-IPAddressOrRange
<System.String>] -Policy <System.String> [-Protocol
{HttpsOnly | HttpsOrHttp}] [-StartTime <System.Nullable`1[System.DateTime]>] [<CommonParameters>]

```

DESCRIPTION

The New-AzStorageFileSASToken cmdlet generates a shared access signature token for an Azure Storage file.

PARAMETERS

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

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

Required? false

Position? named

Default value None

Accept pipeline input? True (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

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

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

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

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

Specifies a CloudFile object. You can create a cloud file or obtain one by using the Get-AzStorageFile cmdlet.

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

-Path <System.String>

Specifies the path of the file relative to a Storage share.

Required?	true
Position?	1
Default value	None
Accept pipeline input?	True (ByPropertyName, ByValue)
Accept wildcard characters?	false

-Permission <System.String>

Specifies the permissions for a Storage file. 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 the stored access policy for a file.

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

-ShareName <System.String>

Specifies the name of the Storage share.

Required? true
Position? 0
Default value None
Accept pipeline input? True (ByPropertyName, ByValue)
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

<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

System.String

Microsoft.Azure.Storage.File.CloudFile

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

OUTPUTS

System.String

NOTES

Example 1: Generate a shared access signature token that has full file permissions

```
New-AzStorageFileSASToken -ShareName "ContosoShare" -Path "FilePath" -Permission "rwd"
```

This command generates a shared access signature token that has full permissions for the file that is named FilePath.

Example 2: Generate a shared access signature token that has a time limit

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

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

```
New-AzStorageFileSASToken -ShareName "ContosoShare" -Path "FilePath" -Permission "rwd" -StartTime $StartTime  
-ExpiryTime $EndTime
```

The first command creates a DateTime object by using the Get-Date cmdlet. The command stores the current time in the \$StartTime variable. The second command adds two

hours to the object in \$StartTime, and then stores the result in the \$EndTime variable. This object is a time two hours in the future. The third command generates a

shared access signature token that has the specified permissions. This token becomes valid at the current time. The token remains valid until time stored in \$EndTime.

RELATED LINKS

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

New-AzStorageContext

New-AzStorageShareSASToken