



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

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

NAME

New-AzStorageAccountSASToken

SYNOPSIS

Creates an account-level SAS token.

SYNTAX

```

New-AzStorageAccountSASToken [-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]>] [-IPAddressOrRange <System.String>] [-Permission <System.String>]
[-Protocol {HttpsOnly | HttpsOrHttp}] -ResourceType {None |
Service | Container | Object} -Service {None | Blob | File | Queue | Table} [-StartTime
<System.Nullable`1[System.DateTime]>] [<CommonParameters>]

```

DESCRIPTION

The New-AzStorageAccountSASToken cmdlet creates an account-level shared access signature (SAS) token for an

Azure Storage account. You can use the SAS token to

delegate permissions for multiple services, or to delegate permissions for services not available with an object-level SAS token. An account SAS is secured using the storage account key. To create an account SAS, a client application must possess the account key.

PARAMETERS

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

Specifies the Azure storage context. You can use the New-AzStorageContext cmdlet to get an AzureStorageContext object.

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 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

-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 Storage account. Permissions are valid only if they match the specified resource type. It is important to note that this is a

string, like `rwd` (for Read, Write and Delete). For more information about acceptable permission values, see [Constructing an Account SAS](http://go.microsoft.com/fwlink/?LinkId=799514)

<http://go.microsoft.com/fwlink/?LinkId=799514>

Required? false

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 made with the account SAS. 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

-ResourceType <Microsoft.Azure.Storage.SharedAccessAccountResourceTypes>

Specifies the resource types that are available with the SAS token. The acceptable values for this parameter are: - None

- Service

- Container

- Object

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Service <Microsoft.Azure.Storage.SharedAccessAccountServices>

Specifies the service. The acceptable values for this parameter are: - None

- Blob

- File

- Queue

- Table

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

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

Specifies the time, as a DateTime object, at which the SAS becomes valid. To get a DateTime object, use the Get-Date cmdlet.

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

OUTPUTS

System.String

NOTES

Example 1: Create an account-level SAS token with full permission

```
New-AzStorageAccountSASToken -Service Blob,File,Table,Queue -ResourceType Service,Container,Object -Permission "racwdlup"
```

This command creates an account-level SAS token with full permission.

Example 2: Create an account-level SAS token for a range of IP addresses and EncryptionScope

```
New-AzStorageAccountSASToken -Service Blob,File,Table,Queue -ResourceType Service,Container,Object -Permission "racwdlup" -Protocol HttpsOnly -IPAddressOrRange 168.1.5.60-168.1.5.70 -EncryptionScope scopename
```

This command creates an account-level SAS token for HTTPS-only requests from the specified range of IP addresses, with a specific EncryptionScope.

Example 3: Create an account-level SAS token valid for 24 hours

```
New-AzStorageAccountSASToken -Service Blob -ResourceType Service,Container,Object -Permission "rl" -ExpiryTime  
(Get-Date).AddDays(1)
```

This command creates an read-only account-level SAS token that is valid for 24 hours.

RELATED LINKS

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

New-AzStorageBlobSASToken

New-AzStorageContainerSASToken

New-AzStorageFileSASToken

New-AzStorageQueueSASToken

New-AzStorageShareSASToken

New-AzStorageTableSASToken