



Windows PowerShell Get-Help on Cmdlet 'Move-AzDataLakeGen2Item'

PS:\>Get-HELP Move-AzDataLakeGen2Item -Full

NAME

Move-AzDataLakeGen2Item

SYNOPSIS

Move a file or directory to another a file or directory in same Storage account.

SYNTAX

```

Move-AzDataLakeGen2Item [-FileSystem] <System.String> [-Path] <System.String> [-Context
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>]
[-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
-DestFileSystem <System.String> -DestPath <System.String>
[-Force] [-Confirm] [-WhatIf] [<CommonParameters>]

Move-AzDataLakeGen2Item [-Context
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -DestFileSystem
<System.String> -DestPath <System.String> [-Force]
-InputObject <Microsoft.WindowsAzure.Commands.Common.Storage.ResourceModel.AzureDataLakeGen2Item>
[-Confirm] [-WhatIf] [<CommonParameters>]

```

DESCRIPTION

The Move-AzDataLakeGen2Item cmdlet moves a file or directory to another file or directory in same Storage account. This cmdlet only works if Hierarchical Namespace is enabled for the Storage account. This kind of account can be created by run "New-AzStorageAccount" cmdlet with "-EnableHierarchicalNamespace \$true".

PARAMETERS

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

Azure Storage Context 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

-DestFileSystem <System.String>

Dest FileSystem name

Required? true

Position? named

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

-DestPath <System.String>

Dest Blob path

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

-FileSystem <System.String>

FileSystem name

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

-Force <System.Management.Automation.SwitchParameter>

Force to over write the destination.

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

-InputObject <Microsoft.WindowsAzure.Commands.Common.Storage.ResourceModel.AzureDataLakeGen2Item>

Azure Datalake Gen2 Item Object to move from.

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

-Path <System.String>

The path in the specified Filesystem that should be move from. Can be a file or directory In the format 'directory/file.txt' or 'directory1/directory2/'

Required?	true
Position?	1
Default value	None
Accept pipeline input?	True (ByValue)
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

System.String

Microsoft.WindowsAzure.Commands.Common.Storage.ResourceModel.AzureDataLakeGen2Item

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

OUTPUTS

Microsoft.WindowsAzure.Commands.Common.Storage.ResourceModel.AzureDataLakeGen2Item

NOTES

----- Example 1: Move a fold in same Filesystem -----

Move-AzDataLakeGen2Item -FileSystem "filesystem1" -Path "dir1/" -DestFileSystem "filesystem1" -DestPath "dir3/"

FileSystem Name: filesystem1

Path	IsDirectory	Length	LastModified	Permissions	Owner	Group
----	-----	-----	-----	-----	-----	
dir3	True		2020-03-13 13:07:34Z	rxrw-rw-	\$superuser	\$superuser

This command move directory 'dir1' to directory 'dir3' in the same Filesystem.

Example 2: Move a file by pipeline, to another Filesystem in the same Storage account without prompt

```
Get-AzDataLakeGen2Item -FileSystem "filesystem1" -Path "dir1/file1" | Move-AzDataLakeGen2Item -DestFileSystem "filesystem2" -DestPath "dir2/file2" -Force
```

FileSystem Name: filesystem2

Path	IsDirectory	Length	LastModified	Permissions	Owner	Group
----	-----	-----	-----	-----	-----	
dir2/file2	False	1024	2020-03-23 09:57:33Z	rxrw-rw-	\$superuser	\$superuser

This command move file 'dir1/file1' in 'filesystem1' to file 'dir2/file2' in 'filesystem2' in the same Storage account without prompt.

----- Example 3: Move an item with Sas token -----

```
$sas = New-AzStorageContainerSASToken -Name $filesystemName -Permission rdw -Context $ctx
```

```
$sasctx = New-AzStorageContext -StorageAccountName $ctx.StorageAccountName -SasToken $sas
```

```
Move-AzDataLakeGen2Item -FileSystem $filesystemName -Path $itempath1 -DestFileSystem $filesystemName -DestPath "$($itempath2)$($sas)" -Context $sasctx
```

FileSystem Name: filesystem1

Path	IsDirectory	Length	LastModified	Permissions	Owner	Group
----	-----	-----	-----	-----	-----	
dir2/file1	False	1024	2021-03-23 09:57:33Z	rw-rw-rw-	\$superuser	\$superuser

This first command creates a Sas token with rdw permission, the second command creates a Storage context from the Sas token, the 3rd command moves an item with the

Sas token. This example use same Sastoken with rdw permission on both source and destination, if use 2 SAS token for source and destination, source need permission

rd, destination need permission w.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.storage/move-azdatalakegen2item>