



Windows PowerShell Get-Help on Cmdlet 'Restore-AzDataLakeGen2DeletedItem'

PS:\>Get-HELP Restore-AzDataLakeGen2DeletedItem -Full

NAME

Restore-AzDataLakeGen2DeletedItem

SYNOPSIS

Restores a deleted file or directory in a filesystem.

SYNTAX

```
Restore-AzDataLakeGen2DeletedItem [-FileSystem] <System.String> [-Path] <System.String> [-DeletionId]
<System.String> [-AsJob] [-Context
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

```
Restore-AzDataLakeGen2DeletedItem [-AsJob] [-Context
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -InputObject
<Microsoft.WindowsAzure.Commands.Common.Storage.ResourceModel.AzureDataLakeGen2DeletedItem> [-Confirm]
[-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The Restore-AzDataLakeGen2DeletedItem cmdlet restores a deleted file or directory in a filesystem in an Azure 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

-AsJob <System.Management.Automation.SwitchParameter>

Run cmdlet in the background

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-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

-DeletionId <System.String>

The deletion ID associated with the soft deleted path. You can get soft deleted paths and their associated deletion IDs with cmdlet

'Get-AzDataLakeGen2DeletedItem'.

Required? true

Position? 2

Default value None

Accept pipeline input? True (ByValue)

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

-InputObject <Microsoft.WindowsAzure.Commands.Common.Storage.ResourceModel.AzureDataLakeGen2DeletedItem>

Azure Datalake Gen2 Deleted Item Object to restore.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-Path <System.String>

The deleted item path in the specified FileSystem that should be restore. 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.AzureDataLakeGen2DeletedItem

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

OUTPUTS

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

NOTES

Example 1: List all deleted files or directories from a Filesystem, and restore them by pipeline

```
$items = Get-AzDataLakeGen2DeletedItem -FileSystem "filesystem1"
```

```
$items
```

FileSystem Name: filesystem1

Path	DeletionId	DeletedOn	RemainingRetentionDays
----	-----	-----	-----
dir0/dir1/file1	132658816156507617	2021-05-19 07:06:55Z	3
dir0/dir2	132658834541610122	2021-05-19 07:37:34Z	3
dir0/dir2/file3	132658834534174806	2021-05-19 07:37:33Z	3

\$Items | Restore-AzDataLakeGen2DeletedItem

FileSystem Name: filesystem1

Path	IsDirectory	Length	LastModified	Permissions	Owner	Group
----	-----	-----	-----	-----	-----	
dir0/dir1/file1	False	1024	2021-05-19 07:06:39Z	rw-r-----	\$superuser	\$superuser
dir0/dir2	True		2021-05-19 07:06:37Z	rw-r-x---	\$superuser	\$superuser
dir0/dir2/file3	False	1024	2021-05-19 07:06:42Z	rw-r-----	\$superuser	\$superuser

This command lists all deleted files or directories from a Filesystem, the restore all of them by pipeline.

-- Example 2: Restore an single file with path and DeletionId --

```
Restore-AzDataLakeGen2DeletedItem -FileSystem "filesystem1" -Path dir0/dir1/file1 -DeletionId 132658838415219780
```

FileSystem Name: filesystem1

Path	IsDirectory	Length	LastModified	Permissions	Owner	Group
----	-----	-----	-----	-----	-----	
dir0/dir1/file1	False	1024	2021-05-19 07:06:39Z	rw-r-----	\$superuser	\$superuser

This command restores an single file with path and DeletionId. The DeletionId can be get with 'Get-AzDataLakeGen2DeletedItem' cmdlet.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.storage/restore-azdatalakegen2deleteditem>

