



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

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

NAME

Get-AzDataLakeGen2Item

SYNOPSIS

Gets the details of a file or directory in a filesystem.

SYNTAX

```
Get-AzDataLakeGen2Item [-FileSystem] <System.String> [-Context
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.IStorageContext>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Path
<System.String>] [<CommonParameters>]
```

DESCRIPTION

The Get-AzDataLakeGen2Item cmdlet gets the details of a 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

-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

-FileSystem <System.String>

FileSystem name

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-Path <System.String>

The path in the specified Filesystem that should be retrieved. Can be a file or directory In the format 'directory/file.txt' or 'directory1/directory2/'. Not

specify this parameter to get the root directory of the Filesystem.

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

System.String

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

OUTPUTS

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

NOTES

Example 1: Get a directory from a Filesystem, and show the details

```
$dir1 = Get-AzDataLakeGen2Item -FileSystem "filesystem1" -Path "dir1/"
```

```
$dir1
```

```
FileSystem Name: filesystem1
```

Path	IsDirectory	Length	LastModified	Permissions	Owner	Group
dir1	True		2020-03-23 09:15:56Z	rwX---rwx	\$superuser	\$superuser

```
PS C:\WINDOWS\system32> $dir1.ACL
```

DefaultScope	AccessControlType	EntityId	Permissions
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False	User		rwX
False	Group		---
False	Other		rwX

```
PS C:\WINDOWS\system32> $dir1.Permissions
```

Owner : Execute, Write, Read

Group : None

Other : Execute, Write, Read

StickyBit : False

ExtendedAcls : False

```
PS C:\WINDOWS\system32> $dir1.Properties.Metadata
```

Key	Value
hdi_isfolder	true
tag1	value1
tag2	value2

```
PS C:\WINDOWS\system32> $dir1.Properties
```

```
LastModified      : 3/23/2020 9:15:56 AM +00:00
CreatedOn         : 3/23/2020 9:15:56 AM +00:00
Metadata          : {[hdi_isfolder, true], [tag1, value1], [tag2, value2]}
CopyCompletedOn   : 1/1/0001 12:00:00 AM +00:00
CopyStatusDescription :
CopyId           :
CopyProgress      :
CopySource        :
CopyStatus        : Pending
IsIncrementalCopy : False
LeaseDuration     : Infinite
LeaseState        : Available
LeaseStatus       : Unlocked
ContentLength     : 0
ContentType       : application/octet-stream
ETag              : "0x8D7CF0ACBA35FA8"
ContentHash       :
ContentEncoding    : UDF12
ContentDisposition :
ContentLanguage   :
CacheControl      : READ
AcceptRanges      : bytes
IsServerEncrypted : True
EncryptionKeySha256 :
AccessTier        : Cool
ArchiveStatus     :
AccessTierChangedOn : 1/1/0001 12:00:00 AM +00:00
```

This command gets a directory from a Filesystem, and show the details.

----- Example 2: Get a file from a Filesystem -----

```
Get-AzDataLakeGen2Item -FileSystem "filesystem1" -Path "dir1/file1"
```

FileSystem Name: filesystem1

Path	IsDirectory	Length	LastModified	Permissions	Owner	Group
dir1/file1	False	1024	2020-03-23 09:20:37Z	rwx---rwx	\$superuser	\$superuser

This command gets the details of a file from a Filesystem.

RELATED LINKS

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