



## Windows PowerShell Get-Help on Cmdlet 'Export-AzDataLakeStoreChildItemProperty'

**PS:\>Get-HELP Export-AzDataLakeStoreChildItemProperty -Full**

### NAME

Export-AzDataLakeStoreChildItemProperty

### SYNOPSIS

Exports the properties (Disk usage and Acl) for the entire tree from the specified path to a output path

### SYNTAX

```
Export-AzDataLakeStoreChildItemProperty [-Account] <System.String> [-Path]
<Microsoft.Azure.Commands.DataLakeStore.Models.DataLakeStorePathInstance> [-OutputPath]
<System.String> [-Concurrency <System.Int32>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -GetAcl
-GetDiskUsage [-HideConsistentAcl] [-IncludeFile] [-MaximumDepth <System.Int32>] [-PassThru] [-SaveToAdl] [-Confirm]
[-WhatIf] [<CommonParameters>]
```

```
Export-AzDataLakeStoreChildItemProperty [-Account] <System.String> [-Path]
<Microsoft.Azure.Commands.DataLakeStore.Models.DataLakeStorePathInstance> [-OutputPath]
<System.String> [-Concurrency <System.Int32>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -GetAcl
[-HideConsistentAcl] [-IncludeFile] [-MaximumDepth <System.Int32>] [-PassThru] [-SaveToAdl] [-Confirm] [-WhatIf]
```

[<CommonParameters>]

Export-AzDataLakeStoreChildItemProperty [-Account] <System.String> [-Path]  
<Microsoft.Azure.Commands.DataLakeStore.Models.DataLakeStorePathInstance> [-OutputPath]  
<System.String> [-Concurrency <System.Int32>] [-DefaultProfile  
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]  
-GetDiskUsage [-IncludeFile] [-MaximumDepth <System.Int32>] [-PassThru] [-SaveToAdl] [-Confirm] [-WhatIf]  
[<CommonParameters>]

## DESCRIPTION

The Export-AzDataLakeStoreChildItemProperty is used to report the ADLS space usage or/and ACL usage for the given directory and it's sub directories and files.

## PARAMETERS

-Account <System.String>

The Data Lake Store account to execute the filesystem operation in

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Concurrency <System.Int32>

Indicates the number of files/directories processed in parallel. Default will be computed as a best effort based on system specification.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

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

-GetAcl <System.Management.Automation.SwitchParameter>

Retrieves the acl starting from the root path

Required? true

Position? named

Default value False

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-GetDiskUsage <System.Management.Automation.SwitchParameter>

Retrieves the disk usage starting from the root path

Required? true

Position? named

Default value False

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-HideConsistentAcl <System.Management.Automation.SwitchParameter>

Do not show directory subtree if the ACLs are the same throughout the entire subtree. This makes it easier to see only the paths up to which the ACLs differ. For

example if all files and folders under /a/b are the same, do not show the subtree under /a/b, and just output /a/b with

'True' in the Consistent ACL columnCannot

be set if IncludeFiles is not set, because consistent Acl cannot be determined without retrieving acs for the files.

Required? false

Position? named

Default value False

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-IncludeFile <System.Management.Automation.SwitchParameter>

Show stats at file level (default is to show directory-level info only)

Required? false

Position? named

Default value False

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-MaximumDepth <System.Int32>

Maximum depth from the root directory till which disk usage or acl is displayed

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-OutputPath <System.String>

Path to output file. Can be a Local path or Adl Path. By default it is local. If SaveToAdl is specified then it is an ADL path in the same account

Required? true

Position? 2

Default value            None

Accept pipeline input?    True (ByPropertyName)

Accept wildcard characters? false

-PassThru <System.Management.Automation.SwitchParameter>

Indicates a boolean response should be returned indicating the result of the delete operation.

Required?                false

Position?                named

Default value            False

Accept pipeline input?    True (ByPropertyName)

Accept wildcard characters? false

-Path <Microsoft.Azure.Commands.DataLakeStore.Models.DataLakeStorePathInstance>

The path in the specified Data Lake account that should be retrieve. Can be a file or folder In the format '/folder/file.txt', where the first '/' after the DNS indicates the root of the file system.

Required?                true

Position?                1

Default value            None

Accept pipeline input?    True (ByPropertyName)

Accept wildcard characters? false

-SaveToAdl <System.Management.Automation.SwitchParameter>

If passed then saves the dump file to ADL. The DumpFile wil be a ADL path in that case

Required?                false

Position?                named

Default value            False

Accept pipeline input?    True (ByPropertyName)

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.Azure.Commands.DataLakeStore.Models.DataLakeStorePathInstance

System.Management.Automation.SwitchParameter

System.Int32

## OUTPUTS

System.Boolean

## NOTES

Example 1: Get the disk usage and ACL usage for all subdirectories and files

```
Export-AzDataLakeStoreChildItemProperty -Account ContosoADL -Path /a -OutputPath  
"C:\Users\contoso\Desktop\DumpFile.txt" -GetAcl -GetDiskUsage -IncludeFile
```

Get the disk usage and ACL usage for all subdirectories and files under /a. IncludeFile ensures the usage is reported for files also

Example 2: Get the ACL usage for all subdirectories and files with the consistent ACL hidden

```
$fullAcl="user:contoso-userid:--x|user::rwx|other:---|group::rwx"
```

```
$newFullAcl = $fullAcl.Split("{}");
```

```
Set-AzDataLakeStoreItemAcl -Account ContosoADL -Path /a -Acl $newFullAcl -Recurse -Debug
```

```
Export-AzDataLakeStoreChildItemProperty -Account ContosoADL -Path /a -OutputPath  
"C:\Users\contoso\Desktop\DumpFile.txt" -GetAcl -HideConsistentAcl -IncludeFile
```

Get the ACL usage for all subdirectories and files under /a. IncludeFile ensures the usage is reported for files also. HideconsistentAcl in this case will show the

Acl of /a, not it's children since all of the children has same acl as /a. This flag skips the acl output of subtree if all it's acls are same as the root.

#### RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.datalakestore/export-azdatalakestorechilditemproperty>