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

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

NAME

    New-FileShare

SYNOPSIS

    Creates an access point for a remote file share.

SYNTAX

    New-FileShare [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-ContinuouslyAvailable <Boolean>] [-Description

<String>] [-EncryptData <Boolean>]

       -FileServerFriendlyName <String[]> -Name <String> [-Protocol {NFS | SMB}] [-RelativePathName <String>]

-SourceVolume <CimInstance> [-ThrottleLimit <Int32>] [-WhatIf]

    [<CommonParameters>]

    New-FileShare [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-ContinuouslyAvailable <Boolean>] [-Description

<String>] [-EncryptData <Boolean>] -FileServerUniqueId

    <String[]> -Name <String> [-Protocol {NFS | SMB}] [-RelativePathName <String>] -SourceVolume <CimInstance>

[-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]

    New-FileShare [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-ContinuouslyAvailable <Boolean>] [-Description

<String>] [-EncryptData <Boolean>] -InputObject

   <CimInstance[]> -Name <String> [-Protocol {NFS | SMB}] [-RelativePathName <String>] -SourceVolume <CimInstance>

[-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]

DESCRIPTION

  The New-FileShare cmdlet creates an access point for a remote file share.

   The file share that this cmdlet creates represents a Server Message Block (SMB) or Network File System (NFS) share, which is on top of a MSFT_Volume.

PARAMETERS

  -AsJob [<SwitchParameter>]

    Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

    Required?   false

    Position?   named

    Default value   False

    Accept pipeline input?   False

    Accept wildcard characters? false

  -CimSession <CimSession[]>

    Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a New-CimSession

                                   (https://go.microsoft.com/fwlink/p/?LinkId=227967)   or

[Get-CimSession](https://go.microsoft.com/fwlink/p/?LinkId=227966)cmdlet. The default is the current session

    on the local computer.

    Required?   false

    Position?   named

    Default value   None

    Accept pipeline input?   False

Accept wildcard characters? false

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

Required?   false

Position?   named

Default value   False

Accept pipeline input?   False

Accept wildcard characters? false

-ContinuouslyAvailable <Boolean>

Indicates whether the file share is continuously available.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-Description <String>

Specifies a user-friendly description of the file share.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-EncryptData <Boolean>

Indicates whether to encrypt the data on transport.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-FileServerFriendlyName <String[]>

Specifies the name of the file server to host the file share.

Required?   true

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-FileServerUniqueId <String[]>

Specifies the unique ID of the file server.

Required?   true

Position?   named

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-InputObject <CimInstance[]>

Specifies the input object that is used in a pipeline command.

Required?   true

Position?   named

Default value   None

Accept pipeline input?   True (ByValue)

Accept wildcard characters? false

-Name <String>

Specifies the name of the file share to create.

    Required?   true

    Position?   named

    Default value   None

    Accept pipeline input?   False

    Accept wildcard characters? false

-Protocol <FileSharingProtocol>

    Specifies the file sharing protocol. The acceptable values for this parameter are:

     - NFS

     - SMB

    Required?   false

    Position?   named

    Default value   None

    Accept pipeline input?   False

    Accept wildcard characters? false

-RelativePathName <String>

    Specifies the relative path. Specify this parameter if the path for the new file share is not the root of the volume.

    Required?   false

    Position?   named

    Default value   None

    Accept pipeline input?   False

    Accept wildcard characters? false

-SourceVolume <CimInstance>

    Specifies the source volume.

Required?   true

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-ThrottleLimit <Int32>

   Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is omitted or a value of `0` is entered, then

   Windows PowerShellr calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that are running on the computer. The throttle limit

   applies only to the current cmdlet, not to the session or to the computer.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-WhatIf [<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

OUTPUTS

MSFT_FileShare

NOTES

* When used in Failover Cluster, cmdlets from the Storage module operate on cluster level (all servers in the cluster).

------------- Example 1: Create an SMB file share -------------

PS C:\>$Pool = Get-StoragePool -FriendlyName "clusteredpool"

PS C:\> $Volume = $Pool | New-Volume -FriendlyName "myvol" -UseMaximumSize $True

PS C:\> New-FileShare -Name "Docs" -FileServerFriendlyName "scaleout-clus" -SourceVolume $Volume
-IsContinuouslyAvailable $True -Protocol SMB

The first command gets the specified storage pool, and then stores it in the $Pool variable.

The second command creates a volume using the storage pool in $Pool, and then stores it in the $Volume variable.

The third command creates a continuously available SMB file share using the volume in $SourceVolume.

RELATED LINKS

Online Version:
https://learn.microsoft.com/powershell/module/storage/new-fileshare?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Debug-FileShare

Get-FileShare

Remove-FileShare

Set-FileShare