PowerShell Get-Help on command 'New-FileShare'

PS C:\Users\wahid> Get-Help New-FileShare

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.

-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.

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

-ContinuouslyAvailable <Boolean>

Indicates whether the file share is continuously available.

-Description <String>

Specifies a user-friendly description of the file share.

-EncryptData <Boolean>

   Indicates whether to encrypt the data on transport.

-FileServerFriendlyName <String[]>

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

-FileServerUniqueId <String[]>

   Specifies the unique ID of the file server.

-InputObject <CimInstance[]>

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

-Name <String>

   Specifies the name of the file share to create.

-Protocol <FileSharingProtocol>

   Specifies the file sharing protocol. The acceptable values for this

   parameter are:

   - NFS

   - SMB

-RelativePathName <String>

   Specifies the relative path. Specify this parameter if the path for the

   new file share is not the root of the volume.

-SourceVolume <CimInstance>

   Specifies the source volume.

-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.

-WhatIf [<SwitchParameter>]

    Shows what would happen if the cmdlet runs. The cmdlet is not run.

<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).

------------- 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.

REMARKS

    To see the examples, type: "get-help New-FileShare -examples".

For more information, type: "get-help New-FileShare -detailed".

For technical information, type: "get-help New-FileShare -full".

For online help, type: "get-help New-FileShare -online"