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PowerShell

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PowerShell Get-Help on command 'Get-SmbShare'

PS C:\Users\wahid> Get-Help Get-SmbShare

NAME

Get-SmbShare

SYNOPSIS

Retrieves the SMB shares on the computer.

SYNTAX

```
Get-SmbShare [[-Name] <String[]>] [[-ScopeName] <String[]>] [-AsJob]
[-AvailabilityType {NonClustered | Clustered | ScaleOut | CSV | DFS}]
[-CaTimeout <UInt32[]>] [-CachingMode {None | Manual | Documents | Programs |
BranchCache | Unknown}] [-CimSession <CimSession[]>] [-CompressData
<Boolean[]>] [-ConcurrentUserLimit <UInt32[]>] [-ContinuouslyAvailable
<Boolean[]>] [-EncryptData <Boolean[]>] [-FolderEnumerationMode {AccessBased |
Unrestricted}] [-IncludeHidden] [-LeasingMode <LeasingMode[]>] [-Scoped
<Boolean[]>] [-ShareState {Pending | Online | Offline}] [-SmbInstance {Default
| CSV | SBL | SR}] [-Special <Boolean[]>] [-ThrottleLimit <Int32>]
[<CommonParameters>]
```

DESCRIPTION

The Get-SmbShare cmdlet retrieves objects that represent the Server Message Block (SMB) shares being displayed by the computer.

PARAMETERS

-AsJob [<SwitchParameter>]

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

-AvailabilityType <AvailabilityType[]>

Specifies the cluster type of the shares being enumerated.

-CaTimeout <UInt32[]>

Specifies the continuous availability time-out of the shares being enumerated.

-CachingMode <CachingMode[]>

Specifies the caching mode of the shares being enumerated.

-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.

-CompressData <Boolean[]>

Indicates that the shares being enumerated should request compression from clients.

-ConcurrentUserLimit <UInt32[]>

Specifies the concurrent user limit of the shares being enumerated.

-ContinuouslyAvailable <Boolean[]>

Indicates that the shares being enumerated should be continuously available.

-EncryptData <Boolean[]>

Indicates that the shares being enumerated should be encrypted.

-FolderEnumerationMode <FolderEnumerationMode[]>

Specifies the folder enumeration mode of the shares being enumerated.

-IncludeHidden [<SwitchParameter>]

Indicates that shares that are created and used internally are also enumerated.

-LeasingMode <LeasingMode[]>

Specifies SMB leasing and oplock behaviors.

-Name <String[]>

Specifies one or more SMB shares by share name.

-ScopeName <String[]>

Specifies the scope of the share by name. For use with Windows Server failover cluster file server resources.

-Scoped <Boolean[]>

Indicates that the shares to be enumerated should be scoped.

-ShareState <ShareState[]>

Specifies the state of the shares being enumerated.

-SmbInstance <SmbInstance>

Specifies the input to this cmdlet. You can use this parameter, or you can pipe the input to this cmdlet.


```

Default share
IPC$          *
Remote IPC
VMS1         *          I:\VMS

```

This command retrieves the SMB shares on the computer.

-- Example 2: Get a specific SMB share on the local computer --

```
PS C:\>Get-SmbShare -Name "VMS1"
```

```

Name          ScopeName      Path
-----
Description
-----
VMS1         *          I:\VMS

```

This command retrieves information about the SMB share named 'VMS1' on the local computer.

Example 3: Display information about the SMB shares on a remote computer

```
PS C:\>get-smbshare -CimSession "NEDFS1"
```

```

Name      ScopeName Path          Description  PSComputerName
-----
ADMIN$    *      C:\Windows    Remote Admin ae-dfsr-sr-01
C$        *      C:\           Default share ae-dfsr-sr-01
D$        *      D:\           Default share ae-dfsr-sr-01
E$        *      E:\           Default share ae-dfsr-sr-01
IPC$      *              Remote IPC   ae-dfsr-sr-01
IT dept   *      D:\data\IT dept      ae-dfsr-sr-01
procedures *      D:\hr\procedures     ae-dfsr-sr-01
VHD and ISO *      D:\data\VHD and ISO   ae-dfsr-sr-01

```

This command displays the information about the SMB shares on the remote

computer NEDFS1.

Example 4: Display all properties about a specific SMB share on the local computer in a list

```
PS C:\>Get-SmbShare -Name "VMS1" | Format-List -Property *
PresetPathAcl      : System.Security.AccessControl.DirectorySecurity
ShareState         : Online
AvailabilityType   : Clustered
ShareType          : FileSystemDirectory
FolderEnumerationMode : Unrestricted
CachingMode        : Manual
CATimeout          : 0
ConcurrentUserLimit : 0
ContinuouslyAvailable : True
CurrentUsers       : 3
Description        :
EncryptData        : False
Name               : VMS1
Path               : I:\VMS
Scoped             : True
ScopeName          : *
SecurityDescriptor : O:BAG:DUD:(A;;FA;;;S-1-5-21-219828122-4198910963-416181
9395-500)(A;;FA;;;S-1-5-21-219828122-419
8910963-4161819395-1106)(A;;FA;;;S-1-5-21-219828122-419
8910963-4161819395-1109)
ShadowCopy         : False
Special            : False
Temporary         : False
Volume             : \\?\Volume{b02c4ba7-e6f1-11e1-93eb-0008a1c0ef0d}\
PSComputerName    :
CimClass           : ROOT/Microsoft/Windows/SMB:MSFT_SmbShare
CimInstanceProperties : {AvailabilityType, CachingMode, CATimeout,
ConcurrentUserLimit...}
```

CimSystemProperties : Microsoft.Management.Infrastructure.CimSystemProperties

This command displays all of the information about the SMB share named 'VMS1' on the local computer as a formatted list.

Example 5: Get shares on the local failover cluster computer that have scale out availability

```
PS C:\>Get-SmbShare | Where-Object -Property AvailabilityType -Eq ScaleOut
```

Name	ScopeName	Path
Description		
----	-----	----

ClusterStorage\$	Contoso-SO	C:\ClusterStorage
Cluster Shared Volumes Def...		
VMS3	Contoso-SO	C:\ClusterStorage\Volume1\VMS
VMS4	Contoso-SO	C:\ClusterStorage\Volume2\VMS

This command retrieves the SMB shares on the computer that have scaled out availability.

Example 6: Get shares that are connected to a local failover cluster file server resource named "Contoso-FS"

```
PS C:\>Get-SmbShare -ScopeName "Contoso-FS"
```

Name	ScopeName	Path
Description		
----	-----	----

I\$	Contoso-FS	I:\
Cluster Default Share		
J\$	Contoso-FS	J:\
Cluster Default Share		

VMS1	Contoso-FS	I:\VMS
VMS2	Contoso-FS	J:\VMS

This command retrieves the SMB shares on the Windows Server failover cluster that are connected to the clustered file server resource named Contoso-FS.

REMARKS

To see the examples, type: "get-help Get-SmbShare -examples".

For more information, type: "get-help Get-SmbShare -detailed".

For technical information, type: "get-help Get-SmbShare -full".

For online help, type: "get-help Get-SmbShare -online"