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PowerShell Get-Help on command 'Get-StorageEnclosure'

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

NAME

Get-StorageEnclosure

SYNOPSIS

Gets storage enclosures.

SYNTAX

Get-StorageEnclosure [[-FriendlyName] <String[]>] [[-SerialNumber] <String[]>] [-AsJob] [-CimSession <CimSession[]>] [-HealthStatus {Healthy | Warning | Unhealthy | Unknown}] [-Manufacturer <String[]>] [-Model <String[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-StorageEnclosure [-AsJob] [-CimSession <CimSession[]>] [-HealthStatus {Healthy | Warning | Unhealthy | Unknown}] [-Manufacturer <String[]>] [-Model <String[]>] [-PhysicalDisk <CimInstance>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-StorageEnclosure [-AsJob] [-CimSession <CimSession[]>] [-HealthStatus {Healthy | Warning | Unhealthy | Unknown}] [-Manufacturer <String[]>] [-Model <String[]>] [-PhysicallyConnected] [-StorageNode <CimInstance>]

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

Get-StorageEnclosure [-AsJob] [-CimSession <CimSession[]>] [-HealthStatus {Healthy | Warning | Unhealthy | Unknown}] [-Manufacturer <String[]>] [-Model <String[]>] [-StorageSubSystem <CimInstance>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-StorageEnclosure [-AsJob] [-CimSession <CimSession[]>] [-HealthStatus {Healthy | Warning | Unhealthy | Unknown}] [-Manufacturer <String[]>] [-Model <String[]>] [-ThrottleLimit <Int32>] [-UniqueId <String[]>] [<CommonParameters>]

DESCRIPTION

The Get-StorageEnclosure cmdlet gets storage enclosures that are visible to your computer.

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.

-FriendlyName <String[]>

Specifies an array of friendly names. The cmdlet gets storage enclosures that the names specify.

-HealthStatus <HealthStatus[]>

Specifies an array of health status values. The acceptable values for this parameter are:

- Healthy

- Warning

- Unhealthy

- Unknown

Health status describes the health of an enclosure. This cmdlet gets the enclosures that have health statuses that this parameter specifies.

-Manufacturer <String[]>

Specifies the name of a manufacturer. This cmdlet gets enclosures for the manufacturers that this parameter identifies.

-Model <String[]>

Specifies an array of model IDs. This cmdlet gets enclosures that the model IDs specify.

-PhysicalDisk <CimInstance>

Specifies a physical disk as a CimInstance object. The cmdlet gets storage enclosures that contain the disk that the object specifies. To obtain a physical disk object, use the Get-PhysicalDisk cmdlet.

-PhysicallyConnected [<SwitchParameter>]

Indicates that this cmdlet gets storage enclosures that are physically connected to a storage node.

-SerialNumber <String[]>

Specifies the serial number of the storage enclosure to get.

-StorageNode <CimInstance>

Specifies a storage node as a CimInstance object. The cmdlet gets storage enclosures connected to the storage node that the object specifies. To obtain a storage node object, use the Get-StorageNode cmdlet.

-StorageSubSystem <CimInstance>

Specifies a storage subsystem as a CimInstance object. This cmdlet gets storage enclosures that belong to the subsystem that the object specifies. To obtain a storage subsystem object, use the Get-StorageSubSystem cmdlet.

-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.

-UniqueId <String[]>

Specifies an array of IDs. This cmdlet gets the enclosures that the IDs specify.

<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: Get all enclosures ----------------

```
PS C:\>Get-StorageEnclosure
```

This command gets all the enclosures visible to your computer.

----- Example 2: Get an enclosure by using a friendly name -----

```
PS C:\>Get-StorageEnclosure -FriendlyName "E1"
```

This command gets the enclosure named E1.

---------- Example 3: Get an enclosure by using an ID ----------

```
PS C:\>Get-StorageEnclosure -UniqueId "{b2c21800-b833-11e2-9981-806e6f6e6963}"
```

This command gets the enclosure that has the specified UniqueId .

------------- Example 4: Get unhealthy enclosures -------------

```
PS C:\>Get-StorageEnclosure -HealthStatus "Unhealthy"
```

This command gets enclosures that have the health status of Unhealthy.

-------- Example 5: Get enclosures from a manufacturer --------

```
PS C:\>Get-StorageEnclosure -Manufacturer "Fabrikam"
```

This command gets enclosures from a specific manufacturer.

-- Example 6: Get an enclosure that contains a specified disk --

```
PS C:\>Get-PhysicalDisk -FriendlyName "PhysicalDisk35" | Get-StorageEnclosure
```

This command uses the Get-PhysicalDisk cmdlet to get the disk named PhysicalDisk35, and then passes that object to the current cmdlet by using the pipeline operator. The current cmdlet gets the enclosure that contains the disk named PhysicalDisk35.

----- Example 7: Get enclosures attached to a storage node -----

```
PS C:\>Get-StorageNode -Name "Node14" | Get-StorageEnclosure
```

This command uses the Get-StorageNode cmdlet to get the storage node named Node14, and then passes that object to the current cmdlet by using the pipeline operator. The current cmdlet gets enclosures attached to the node named Node14.

----------- Example 8: Get enclosures on a subsystem -----------

```
PS C:\>Get-StorageSubSystem -FriendlyName "Clustered storage spaces on main
cluster" | Get-StorageEnclosure
```

This command uses the Get-StorageSubSystem cmdlet to get the storage subsystem that has the specified friendly name, and then passes that object to the current cmdlet by using the pipeline operator. The current cmdlet gets enclosures on the specified subsystem.

REMARKS

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

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

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

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