



Windows PowerShell Get-Help on Cmdlet 'Get-PmemPhysicalDevice'

PS:\>Get-HELP Get-PmemPhysicalDevice -Full

NAME

Get-PmemPhysicalDevice

SYNOPSIS

Gets the physical devices associated with persistent memory.

SYNTAX

Get-PmemPhysicalDevice [[-DeviceId] <String[]>] [<CommonParameters>]

Get-PmemPhysicalDevice [-DiskNumber <UInt32>] [<CommonParameters>]

Get-PmemPhysicalDevice [-InputObject <CimInstance>] [<CommonParameters>]

Get-PmemPhysicalDevice [-LogicalDisk <PmemDisk>] [<CommonParameters>]

DESCRIPTION

The Get-PmemPhysicalDevice cmdlet gets the physical devices associated with persistent memory.

PARAMETERS

-DeviceId <String[]>

Specifies the device ID of the physical device to get.

Required? false

Position? 0

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DiskNumber <UInt32>

Specifies the disk number of persistent memory disk. The cmdlet gets the physical device for that disk.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-InputObject <CimInstance>

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

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-LogicalDisk <PmemDisk>

Specifies a logical persistent memory disk. The cmdlet gets the physical device for that disk.

Required? false

Position? named
Default value None
Accept pipeline input? True (ByValue)
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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

Microsoft.Storage.PersistentMemory.Management.PmemDisk

Microsoft.Management.Infrastructure.CimInstance

OUTPUTS

Microsoft.Storage.PersistentMemory.Management.PmemPhysicalDevice

NOTES

- Example 1: Get physical devices that have persistent memory -

Get-PmemPhysicalDevice

DeviceId	DeviceType	HealthStatus	OperationalStatus	PhysicalLocation	FirmwareRevision	Persistent memory size	Volatile memory size
1020	Intel INVDIMM device	Healthy	{Ok}	CPU2_DIMM_C1	102005310	126 GB	0 GB
1120	Intel INVDIMM device	Healthy	{Ok}	CPU2_DIMM_F1	102005310	126 GB	0 GB
120	Intel INVDIMM device	Healthy	{Ok}	CPU1_DIMM_F1	102005310	126 GB	0 GB
20	Intel INVDIMM device	Healthy	{Ok}	CPU1_DIMM_C1	102005310	126 GB	0 GB

This command gets all the physical devices with persistent memory.

- Example 2: Get physical device for a persistent memory disk -

(Get-PmemDisk)[0] | Get-PmemPhysicalDevice

DeviceId	DeviceType	HealthStatus	OperationalStatus	PhysicalLocation	FirmwareRevision	Persistent memory size	Volatile memory size
20	Intel INVDIMM device	Healthy	{Ok}	CPU1_DIMM_C1	102005310	126 GB	0 GB
120	Intel INVDIMM device	Healthy	{Ok}	CPU1_DIMM_F1	102005310	126 GB	0 GB

This example uses the Get-PmemDisk cmdlet to get a persistent memory disk and gets the physical device for that disk.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/persistentmemory/get-pmemphysicaldevice?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Get-PmemDisk

Initialize-PmemPhysicalDevice