



python



PowerShell

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PowerShell Get-Help on command 'New-PmemDisk'

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

NAME

New-PmemDisk

SYNOPSIS

Creates a persistent memory disk in an unused persistent memory region.

SYNTAX

```
New-PmemDisk [-AtomicityType {None | BlockTranslationTable}] [-DiskSizeInBytes  
<UInt64[]>] [-FriendlyName <String[]>] -RegionId <UInt32[]>  
[<CommonParameters>]
```

```
New-PmemDisk [-AtomicityType {None | BlockTranslationTable}] [-DiskSizeInBytes  
<UInt64[]>] -Simulated [<CommonParameters>]
```

DESCRIPTION

The New-PmemDisk cmdlet creates a persistent memory disk in an unused persistent memory region. A persistent memory is a contiguously addressed range of non-volatile memory. You can think of it as a hard disk partition or LUN.

The cmdlet can also create a simulated persistent memory disk that isn't in persistent memory.

PARAMETERS

`-AtomicityType <NAMESPACE_ATOMICITY_TYPE[]>`

Specifies whether to use a block translation table. A block translation table enables block-like sector writes. Applications can avoid mixing old and new data in a failure scenario.

Valid values are ``None`` and ``BlockTranslationTable``. The default value is ``None``.

You can't change the atomicity type after you create a disk.

We strongly recommend ``BlockTranslationTable`` in nearly all cases.

`-DiskSizeInBytes <UInt64[]>`

Specifies the size of the persistent memory disk.

`-FriendlyName <String[]>`

Specifies a friendly name for the persistent memory disk.

`-RegionId <UInt32[]>`

Specifies the ID of the region for the persistent memory disk.

`-Simulated [<SwitchParameter>]`

Indicates that the command creates a simulated persistent memory disk. You can create a simulated disk without persistent memory hardware.

`<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).

----- Example 1: Create a disk -----

```
New-PmemDisk -RegionId 1 -AtomicityType BlockTranslationTable
```

This example creates a disk in the specified persistent memory region. The disk uses a block transfer table.

----- Example 2: Create a simulated persistent memory disk -----

```
New-PmemDisk -DiskSizeInBytes 270582939648 -Simulated
```

This example creates a simulated persistent memory disk of the specified size.

----- Example 3: Create multiple disks -----

```
Get-PmemUnusedRegion | New-PmemDisk
```

This example gets an unused persistent memory region. The command creates multiple persistent memory disks in the unused regions.

REMARKS

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

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

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

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