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Windows PowerShell Get-Help on Cmdlet 'New-PmemDisk'

PS:>Get-HELP New-PmemDisk -Full

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.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DiskSizeInBytes <UInt64[]>

Specifies the size of the persistent memory disk.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-FriendlyName <String[]>

Specifies a friendly name for the persistent memory disk.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-RegionId <UInt32[]>

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

Required? true
Position? named
Default value None
Accept pipeline input? True (ByPropertyName, ByValue)
Accept wildcard characters? false

-Simulated [<SwitchParameter>]

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

Required? true
Position? named
Default value False
Accept pipeline input? False
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>).

INPUTS

System.UInt32[]

OUTPUTS

System.Object

NOTES

----- 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.

RELATED LINKS

Online

Version:

s-gethelp

Get-PmemDisk

Get-PmemUnusedRegion

Remove-PmemDisk