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Get-StorageDiagnosticInfo

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Module: Storage

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Gets Storage diagnostic information.

Syntax

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```
Get-StorageDiagnosticInfo
    -InputObject <CimInstance>
    -DestinationPath <String>
    [-TimeSpan <UInt32>]
    [-ActivityId <String>]
    [-ExcludeOperationalLog]
    [-ExcludeDiagnosticLog]
    [-IncludeLiveDump]
    [-CimSession <CimSession>]
    [-ThrottleLimit <Int32>]
    [-AsJob]
    [<CommonParameters>]
```

PowerShell   Copy

```
Get-StorageDiagnosticInfo
    [-StorageSubSystemFriendlyName] <String>
    -DestinationPath <String>
    [-TimeSpan <UInt32>]
    [-ActivityId <String>]
    [-ExcludeOperationalLog]
    [-ExcludeDiagnosticLog]
    [-IncludeLiveDump]
    [-CimSession <CimSession>]
    [-ThrottleLimit <Int32>]
```

```
    [-AsJob]
    [<CommonParameters>]
```

PowerShell 📋 Copy

```powershell
Get-StorageDiagnosticInfo
    -StorageSubSystemName <String>
    -DestinationPath <String>
    [-TimeSpan <UInt32>]
    [-ActivityId <String>]
    [-ExcludeOperationalLog]
    [-ExcludeDiagnosticLog]
    [-IncludeLiveDump]
    [-CimSession <CimSession>]
    [-ThrottleLimit <Int32>]
    [-AsJob]
    [<CommonParameters>]
```

PowerShell 📋 Copy

```powershell
Get-StorageDiagnosticInfo
    -StorageSubSystemUniqueId <String>
    -DestinationPath <String>
    [-TimeSpan <UInt32>]
    [-ActivityId <String>]
    [-ExcludeOperationalLog]
    [-ExcludeDiagnosticLog]
    [-IncludeLiveDump]
    [-CimSession <CimSession>]
    [-ThrottleLimit <Int32>]
    [-AsJob]
    [<CommonParameters>]
```

Description

The **Get-StorageDiagnosticInfo** cmdlet gets Storage event logs, trace logs (if present), and live dumps of all nodes in the specified Storage subsystem. Event logs are gathered into one .evtx file per machine, and trace logs are gathered in .etw format. The cmdlet copies this information to path specified by the *DestinationPath* parameter.

By default, this cmdlet gathers information for the past 24 hours. To specify a different number of hours, use the *TimeSpan* parameter.

Examples

Example 1: Get all logs and dumps for a cluster subsystem

PowerShell 📋 Copy

```powershell
PS C:\>Get-StorageDiagnosticInfo -StorageSubSystemName "VMMCluster.contoso.corp.
```

This command gets all types of logs and dumps for the specified Storage cluster subsystem.

Parameters

-ActivityId

⛶ Expand table

Type:	String

Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-AsJob

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

⬚ **Expand table**

Type:	SwitchParameter
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-CimSession

⬚ **Expand table**

Type:	CimSession
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-DestinationPath

⬚ **Expand table**

Type:	String
Aliases:	Path
Position:	Named
Default value:	None
Required:	True
Accept pipeline input:	False
Accept wildcard characters:	False

-ExcludeDiagnosticLog

⬚ **Expand table**

Type:	SwitchParameter

Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-ExcludeOperationalLog

⌞⌝ **Expand table**

Type:	SwitchParameter
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-IncludeLiveDump

⌞⌝ **Expand table**

Type:	SwitchParameter
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-InputObject

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

⌞⌝ **Expand table**

Type:	CimInstance
Position:	Named
Default value:	None
Required:	True
Accept pipeline input:	True
Accept wildcard characters:	False

-StorageSubSystemFriendlyName

⌞⌝ **Expand table**

Type:	String
Position:	0

Default value:	None
Required:	True
Accept pipeline input:	False
Accept wildcard characters:	False

-StorageSubSystemName

[ ] **Expand table**

Type:	String
Position:	Named
Default value:	None
Required:	True
Accept pipeline input:	False
Accept wildcard characters:	False

-StorageSubSystemUniqueId

[ ] **Expand table**

Type:	String
Aliases:	StorageSubSystemId
Position:	Named
Default value:	None
Required:	True
Accept pipeline input:	False
Accept wildcard characters:	False

-ThrottleLimit

[ ] **Expand table**

Type:	Int32
Position:	Named
Default value:	None
Required:	False
Accept pipeline input:	False
Accept wildcard characters:	False

-TimeSpan

[ ] **Expand table**

Type:	UInt32
Position:	Named
Default value:	None
Required:	False

Accept pipeline input:	False
Accept wildcard characters:	False

Notes

- When used in Failover Cluster, cmdlets from the Storage module operate on cluster level (all servers in the cluster).

Feedback

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