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Get-StorageDiagnosticInfo

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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>]
```

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

PowerShell  Copy

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

[-AsJob]
[<CommonParameters>]

PowerShell

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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

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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).

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