Windows PowerShell Get-Help on Cmdlet 'Stop-StorageDiagnosticLog'

PS:\>Get-HELP Stop-StorageDiagnosticLog -Full

NAME

   Stop-StorageDiagnosticLog

SYNOPSIS

   Stops a Storage diagnostic log.

SYNTAX

      Stop-StorageDiagnosticLog [-AsJob] [-CimSession <CimSession[]>] -InputObject <CimInstance[]> [-PassThru]
[-ThrottleLimit <Int32>] [<CommonParameters>]

      Stop-StorageDiagnosticLog [-StorageSubSystemFriendlyName] <String[]> [-AsJob] [-CimSession <CimSession[]>]
[-PassThru] [-ThrottleLimit <Int32>] [<CommonParameters>]

     Stop-StorageDiagnosticLog [-AsJob] [-CimSession <CimSession[]>] [-PassThru] -StorageSubSystemName <String[]>
[-ThrottleLimit <Int32>] [<CommonParameters>]

    Stop-StorageDiagnosticLog [-AsJob] [-CimSession <CimSession[]>] [-PassThru] -StorageSubSystemUniqueId <String[]>
[-ThrottleLimit <Int32>] [<CommonParameters>]

DESCRIPTION

The Stop-StorageDiagnosticLog cmdlet stops the collection of Storage diagnostic logs. You can use the Get-StorageDiagnosticInfo cmdlet to get the logs.

PARAMETERS

-AsJob [<SwitchParameter>]

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

Required?   false

Position?   named

Default value   False

Accept pipeline input?   False

Accept wildcard characters? false

-CimSession <CimSession[]>

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a New-CimSession

(https://go.microsoft.com/fwlink/p/?LinkId=227967)   or [Get-CimSession](https://go.microsoft.com/fwlink/p/?LinkId=227966)cmdlet. The default is the current session on the local computer.

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?   true

Position?   named

Default value   None

Accept pipeline input?   True (ByValue)

Accept wildcard characters? false

-PassThru [<SwitchParameter>]

    Returns an object representing the item with which you are working. By default, this cmdlet does not generate any

output.

    Required?   false

    Position?   named

    Default value   False

    Accept pipeline input?   False

    Accept wildcard characters? false

-StorageSubSystemFriendlyName <String[]>

    Specifies the friendly name of the Storage subsystem for which to gather storage diagnostics. It may denote the

Storage subsystem of the local computer (on which

    the cmdlet is run) or a remote Storage subsystem (standalone or cluster).

    Selecting the local subsystem:

    - On a standalone machine, no remote subsystems: All logs are gathered for that computer.

    - On a standalone machine, remote subsystems registered: All logs are gathered for the standalone machine, including

the client-side remoting calls.

    - On a cluster node: All logs for that particular cluster node are gathered, even ones that belong in the cluster

subsystem for that node only. None of the other

    nodes are logged.

Selecting the cluster subsystem:

- All logs are gathered for each node in that cluster. This includes and logs or tracing that may correspond to a node's local subsystem.

Selecting a remote subsystem:

- Tracing and logs are only gathered for the remote endpoint. What logs and tracing are gathered depend on whether it is a cluster or a standalone machine (see

above cases).

- Tracing and logs for the client-side operations (running on the management node) are not collected. It is expected that if there is a failure, it is most likely

in the remote subsystem.

In order to gather the client-side calls, you must also include the management node's local subsystem.

Required?   true

Position?   0

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-StorageSubSystemName <String[]>

Specifies the name of the Storage subsystem for which to gather Storage diagnostics. It may denote the Storage subsystem of the local computer (on which the

cmdlet is run) or a remote Storage subsystem (standalone or cluster).

Selecting the local subsystem:

- On a standalone machine, no remote subsystems: All logs are gathered for that computer.

- On a standalone machine, remote subsystems registered: All logs are gathered for the standalone machine, including the client-side remoting calls.

- On a cluster node: All logs for that particular cluster node are gathered, even ones that belong in the cluster subsystem for that node only. None of the other

nodes are logged.

Selecting the cluster subsystem:

- All logs are gathered for each node in that cluster. This includes and logs or tracing that may correspond to a node's local subsystem.

Selecting a remote subsystem:

- Tracing and logs are only gathered for the remote endpoint. What logs and tracing are gathered depend on whether it is a cluster or a standalone machine (see

above cases).

- Tracing and logs for the client-side operations (running on the management node) are not collected. It is expected that if there is a failure, it is most likely

in the remote subsystem.

In order to gather the client-side calls, you must also include the management node's local subsystem.

Required?   true

Position?   named

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-StorageSubSystemUniqueId <String[]>

   Specifies the unique ID of the Storage subsystem for which to gather Storage diagnostics. It may denote the Storage subsystem of the local computer (on which the

   cmdlet is run) or a remote Storage subsystem (standalone or cluster).

   Selecting the local subsystem:

   - On a standalone machine, no remote subsystems: All logs are gathered for that computer.

   - On a standalone machine, remote subsystems registered: All logs are gathered for the standalone machine, including the client-side remoting calls.

   - On a cluster node: All logs for that particular cluster node are gathered, even ones that belong in the cluster subsystem for that node only. None of the other

   nodes are logged.

   Selecting the cluster subsystem:

   - All logs are gathered for each node in that cluster. This includes and logs or tracing that may correspond to a node's local subsystem.

Selecting a remote subsystem:

    - Tracing and logs are only gathered for the remote endpoint. What logs and tracing are gathered depend on whether it is a cluster or a standalone machine (see

    above cases).

    - Tracing and logs for the client-side operations (running on the management node) are not collected. It is expected that if there is a failure, it is most likely

    in the remote subsystem.

    In order to gather the client-side calls, you must also include the management node's local subsystem.

    Required?   true

    Position?   named

    Default value   None

    Accept pipeline input?   True (ByPropertyName)

    Accept wildcard characters? false

  -ThrottleLimit <Int32>
    Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is omitted or a value of `0` is entered, then

    Windows PowerShellr calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that are running on the computer. The throttle limit

    applies only to the current cmdlet, not to the session or to the computer.

    Required?   false

    Position?   named

    Default value   None

    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

OUTPUTS

NOTES

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

   ------------- Example 1: Stop Storage diagnostics -------------

   PS C:\>Start-StorageDiagnosticLog -StorageSubSystemName "TestCluster.contoso.corp.microsoft.com"

   PS C:\> Stop-StorageDiagnosticLog -StorageSubSystemName "TestCluster.contoso.corp.microsoft.com

   PS C:\> Get-StorageDiagnosticInfo -StorageSubSystemName "TestCluster.contoso.corp.microsoft.com -DestinationPath

C:\logs\techsupport

   The first command starts the on-demand Storage diagnostic log session on a cluster subsystem.

   The second command stops the diagnostic logs session.

   The third command gets the diagnostic files and places them in C:\logs\techsupport.

RELATED LINKS

                                                                Online   Version:

https://learn.microsoft.com/powershell/module/storage/stop-storagediagnosticlog?view=windowsserver2022-ps&wt.mc_id=p

Get-StorageDiagnosticInfo

Start-StorageDiagnosticLog