



Windows PowerShell Get-Help on Cmdlet 'Set-DtcNetworkSetting'

PS:\>Get-HELP Set-DtcNetworkSetting -Full

NAME

Set-DtcNetworkSetting

SYNOPSIS

Modifies DTC network and security configuration for a DTC instance.

SYNTAX

```
Set-DtcNetworkSetting [-AsJob] [-AuthenticationLevel {NoAuth | Incoming | Mutual}] [-CimSession <CimSession[]>]
[-Confirm] [-DtcName <String>]
[-InboundTransactionsEnabled <Boolean>] [-LUTransactionsEnabled <Boolean>] [-OutboundTransactionsEnabled
<Boolean>] [-RemoteAdministrationAccessEnabled <Boolean>]
[-RemoteClientAccessEnabled <Boolean>] [-ThrottleLimit <Int32>] [-WhatIf] [-XATransactionsEnabled <Boolean>]
[<CommonParameters>]
```

```
Set-DtcNetworkSetting [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -DisableNetworkAccess [-DtcName <String>]
[-ThrottleLimit <Int32>] [-WhatIf]
[<CommonParameters>]
```

DESCRIPTION

The `Set-DtcNetworkSetting` cmdlet modifies the Distributed Transaction Coordinator (DTC) network and security configuration for the DTC instance specified by the

`DtcName` parameter. This cmdlet also restarts the DTC instance.

PARAMETERS

`-AsJob [<SwitchParameter>]`

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

The cmdlet immediately returns an object that represents the job and then displays the command prompt. You can continue to work in the session while the job

completes. To manage the job, use the ``*-Job`` cmdlets. To get the job results, use the `Receive-Job` (<https://go.microsoft.com/fwlink/?LinkID=113372>) cmdlet.

For more information about Windows PowerShell background jobs, see `about_Jobs` (<https://go.microsoft.com/fwlink/?LinkID=113251>).

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

`-AuthenticationLevel <String>`

Sets the network authentication level of the DTC instance to `NoAuth`, `Incoming`, or `Mutual`.

Required?	false
Position?	named
Default value	None
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

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-DisableNetworkAccess [<SwitchParameter>]

Specifies whether to disable network access for the DTC instance.

Required?	true
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-DtcName <String>

Specifies a DTC instance. If you do not specify this parameter, or if you specify a value of Local, this cmdlet modifies

the local DTC instance.

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

-InboundTransactionsEnabled <Boolean>

Indicates whether to enable inbound transactions to the DTC instance.

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

-LUTransactionsEnabled <Boolean>

Indicates whether to enable LU transactions in the DTC instance.

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

-OutboundTransactionsEnabled <Boolean>

Indicates whether to enable outbound transactions from the DTC instance.

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

Accept wildcard characters? false

-RemoteAdministrationAccessEnabled <Boolean>

Indicates whether to enable remote administration access for the DTC instance.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RemoteClientAccessEnabled <Boolean>

Indicates whether to enable remote client access for the DTC instance.

Required? false

Position? named

Default value None

Accept pipeline input? False

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 PowerShell 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

-WhatIf [<SwitchParameter>]

Shows what would happen if the cmdlet runs. The cmdlet is not run.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-XATransactionsEnabled <Boolean>

Indicates whether to enable XA transactions in the DTC instance.

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

----- Example 1: Modify network and security settings -----

```
PS C:\> Set-DtcNetworkSetting -DtcName "Local" -AuthenticationLevel "Incoming" -InboundTransactionsEnabled $False
```

```
PS C:\> Get-DtcNetworkSetting -DtcName "Local"
```

```
__GENUS           : 2
__CLASS           : DtcNetworkSettings
__SUPERCLASS      :
__DYNASTY         : DtcNetworkSettings
__RELPATH         :
__PROPERTY_COUNT  : 7
__DERIVATION      : {}
__SERVER         :
__NAMESPACE      :
__PATH           :
AuthenticationLevel : Mutual
InboundTransactionsEnabled : True
LUTransactionsEnabled : True
OutboundTransactionsEnabled : True
RemoteAdministrationAccessEnabled : True
RemoteClientAccessEnabled : True
XATransactionsEnabled : True
```

The first command modifies the DTC network and security settings for the local DTC instance. The second command verifies the changes.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/msdtc/set-dtcnetworksetting?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Get-DtcNetworkSetting