



python



PowerShell

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PowerShell Get-Help on command 'Test-ComputerSecureChannel'

PS C:\Users\wahid> Get-Help Test-ComputerSecureChannel

NAME

Test-ComputerSecureChannel

SYNOPSIS

Tests and repairs the secure channel between the local computer and its domain.

SYNTAX

```
Test-ComputerSecureChannel [-Credential  
<System.Management.Automation.PSCredential>] [-Repair] [-Server  
<System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The `Test-ComputerSecureChannel` cmdlet verifies that the channel between the local computer and its domain is working correctly by checking the status of its trust relationships. If a connection fails, you can use the Repair parameter to try to restore it.

`Test-ComputerSecureChannel` returns \$True if the channel is working correctly and \$False if it is not. This result lets you use the cmdlet in conditional

statements in functions and scripts. To get more detailed test results, use the Verbose parameter.

This cmdlet works much like ``NetDom.exe``. Both `NetDom` and ``Test-ComputerSecureChannel`` use the NetLogon service to perform the actions.

PARAMETERS

`-Credential <System.Management.Automation.PSCredential>`

Specifies a user account that has permission to perform this action. Type a user name, such as `User01` or `Domain01\User01`, or enter a `PSCredential` object, such as one that the `Get-Credential` cmdlet returns. By default, the cmdlet uses the credentials of the current user.

The `Credential` parameter is designed for use in commands that use the `Repair` parameter to repair the channel between the computer and the domain.

`-Repair <System.Management.Automation.SwitchParameter>`

Indicates that this cmdlet removes and then rebuilds the channel established by the NetLogon service. Use this parameter to try to restore a connection that has failed the test.

To use this parameter, the current user must be a member of the Administrators group on the local computer.

`-Server <System.String>`

Specifies the domain controller to run the command. If this parameter is not specified, this cmdlet selects a default domain controller for the operation.

`-Confirm <System.Management.Automation.SwitchParameter>`

Prompts you for confirmation before running the cmdlet.

-WhatIf <System.Management.Automation.SwitchParameter>

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

<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>).

Example 1: Test a channel between the local computer and its domain

```
Test-ComputerSecureChannel
```

This command tests the channel between the local computer and the domain to which it is joined.

Example 2: Test a channel between the local computer and a domain controller

```
Test-ComputerSecureChannel -Server "DCName.fabrikam.com"
```

```
True
```

This command specifies a preferred domain controller for the test.

Example 3: Reset the channel between the local computer and its domain

```
Test-ComputerSecureChannel -Repair
```

This command resets the channel between the local computer and its domain.

---- Example 4: Display detailed information about the test ----

```
Test-ComputerSecureChannel -Verbose
```

```
VERBOSE: Performing operation "Test-ComputerSecureChannel" on Target "SERVER01".
```

```
True
```

VERBOSE: "The secure channel between 'SERVER01' and 'net.fabrikam.com' is alive and working correctly."

This command uses the Verbose common parameter to request detailed messages about the operation. For more information about Verbose , see [about_CommonParameters](#) ([../Microsoft.PowerShell.Core/About/about_CommonParameters.md](#)).

----- Example 5: Test a connection before you run a script -----

```
if (!(Test-ComputerSecureChannel)) {  
    Write-Host "Connection failed. Reconnect and retry."  
}  
else {  
    &(.\Get-Servers.ps1)  
}
```

This example shows how to use `Test-ComputerSecureChannel` to test a connection before you run a script that requires the connection.

The `if` statement checks the value that `Test-ComputerSecureChannel` returns before it runs a script.

REMARKS

To see the examples, type: "get-help Test-ComputerSecureChannel -examples".

For more information, type: "get-help Test-ComputerSecureChannel -detailed".

For technical information, type: "get-help Test-ComputerSecureChannel -full".

For online help, type: "get-help Test-ComputerSecureChannel -online"