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PowerShell

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### **PowerShell Get-Help on command 'Unregister-PSSessionConfiguration'**

**PS C:\Users\wahid> Get-Help Unregister-PSSessionConfiguration**

#### NAME

Unregister-PSSessionConfiguration

#### SYNOPSIS

Deletes registered session configurations from the computer.

#### SYNTAX

```
Unregister-PSSessionConfiguration [-Name] <System.String> [-Force]
[-NoServiceRestart] [-Confirm] [-WhatIf] [<CommonParameters>]
```

#### DESCRIPTION

The `Unregister-PSSessionConfiguration` cmdlet deletes registered session configurations from the computer. This cmdlet is designed for system administrators to manage customized session configurations for users.

To make the change effective, `Unregister-PSSessionConfiguration` restarts the WinRM service. To prevent the restart, specify the NoServiceRestart parameter.

If you accidentally delete the default `Microsoft.PowerShell` or

`Microsoft.PowerShell32` session configurations, use the `Enable-PSRemoting` cmdlet to restore them. For more information, see [about\\_Session\\_Configurations](#) (About/about\_Session\_Configurations.md).

## PARAMETERS

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

Indicates that the cmdlet does not prompt you for confirmation, and restarts the WinRM service without prompting. Restarting the service makes the configuration change effective.

To prevent a restart and suppress the restart prompt, use the `NoServiceRestart` parameter.

`-Name <System.String>`

Specifies the names of the session configurations to delete. Enter one session configuration name or a configuration name pattern. Wildcard characters are permitted. This parameter is required.

You can also pipe a session configurations to ``Unregister-PSSessionConfiguration``.

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

Indicates that this cmdlet does not restart the WinRM service, and suppresses the prompt to restart the service.

By default, when you run an ``Unregister-PSSessionConfiguration`` command, you are prompted to restart the WinRM service to make the change effective. Until the WinRM service is restarted, users can still use the unregistered session configuration, even though ``Get-PSSessionConfiguration`` does not find it.

To restart the WinRM service without prompting, specify the `Force`

parameter. To restart the WinRM service manually, use the  
`Restart-Service` cmdlet.

-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: Delete a session configuration -----

```
Unregister-PSSessionConfiguration -Name "MaintenanceShell"
```

Example 2: Delete a session configuration and restart the WinRM service

```
Unregister-PSSessionConfiguration -Name MaintenanceShell -Force
```

----- Example 3: Delete all session configurations -----

```
Unregister-PSSessionConfiguration -Name *
```

```
Get-PSSessionConfiguration -Name * | Unregister-PSSessionConfiguration
```

----- Example 4: Unregister without a restart -----

```
PS> Unregister-PSSessionConfiguration -Name "MaintenanceShell"
```

```
-NoServiceRestart
```

```
PS> Get-PSSessionConfiguration -Name "MaintenanceShell"
```

```
Get-PSSessionConfiguration -Name MaintenanceShell : No Session Configuration  
matches criteria "MaintenanceShell".
```

```
+ CategoryInfo      : NotSpecified: (:) [Write-Error], WriteErrorException
```

```
+ FullyQualifiedErrorId : Microsoft.PowerShell.Commands.WriteErrorException
```

```
PS> New-PSSession -ConfigurationName "MaintenanceShell"
```

Id	Name	ComputerName	State	Configuration	Availability
1	Session1	localhost	Opened	MaintenanceShell	Available

```
PS> Restart-Service winrm
```

```
PS> New-PSSession -ConfigurationName MaintenanceShell
```

```
[localhost] Connecting to remote server failed with the following error
```

```
message :
```

```
The WS-Management service cannot process the request.
```

```
The resource URI (http://schemas.microsoft.com/powershell/MaintenanceShell)  
was not found in the WS-Management catalog.
```

```
The catalog contains the metadata that describes resources, or logical  
endpoints.
```

```
For more information, see the about_Remote_Troubleshooting Help topic.
```

```
+ CategoryInfo      : OpenError:
```

```
(System.Manageme...RemoteRunspace:RemoteRunspace) [],
```

```
PSRemotingTransportException
```

```
+ FullyQualifiedErrorId : PSSessionOpenFailed
```

The `Unregister-PSSessionConfiguration` deletes the `MaintenanceShell` session configuration. However, because the command uses the NoServiceRestart

parameter, the WinRM service is not restarted and the change is not yet completely effective.

Next, the ``Get-PSSessionConfiguration`` tries to get the ``MaintenanceShell`` session. Because the session has been removed from the WS-Management resource table, ``Get-PSSessionConfiguration`` cannot return it.

The ``New-PSSession`` cmdlet creates a session using the ``MaintenanceShell`` configuration. The command succeeds. Next, we restart the WinRM service.

Finally, the ``New-PSSession`` cmdlet tries to create a session that uses the ``MaintenanceShell`` configuration. This time, the session fails because the ``MaintenanceShell`` configuration was deleted when the WinRM service restarted.

#### REMARKS

To see the examples, type: "get-help Unregister-PSSessionConfiguration -examples".

For more information, type: "get-help Unregister-PSSessionConfiguration -detailed".

For technical information, type: "get-help Unregister-PSSessionConfiguration -full".

For online help, type: "get-help Unregister-PSSessionConfiguration -online"