



Windows PowerShell Get-Help on Cmdlet 'New-SSHSession'

PS:\>Get-HELP New-SSHSession -Full

NAME

New-SSHSession

SYNOPSIS

Creates an SSH Session against a SSH Server. By default it will store known host fingerprints in \$HOME\.poshss\hosts.json.

SYNTAX

New-SSHSession [-ComputerName] <String[]> [-Credential] <PSCredential> [-Port <Int32>] [-ProxyServer <String>]
[-ProxyPort <Int32>] [-ProxyCredential <PSCredential>]
[-ProxyType <String>] [-ConnectionTimeout <Int32>] [-KeepAliveInterval <Int32>] [-AcceptKey] [-Force]
[-ErrorOnUntrusted] [-KeyFile <String>] [-KnownHost <IStore>]
[<CommonParameters>]

New-SSHSession [-ComputerName] <String[]> [-Credential] <PSCredential> [-Port <Int32>] [-ProxyServer <String>]
[-ProxyPort <Int32>] [-ProxyCredential <PSCredential>]
[-ProxyType <String>] [-ConnectionTimeout <Int32>] [-KeepAliveInterval <Int32>] [-AcceptKey] [-Force]
[-ErrorOnUntrusted] [-KeyString <String[]>] [-KnownHost
<IStore>] [<CommonParameters>]

DESCRIPTION

Creates an SSH Session against a remote server. The command supports creating connection thru a Proxy and allows for authentication to the server using username and password. If a key file is specified the command will use the password in the credentials parameter as the passphrase of the key.

PARAMETERS

-ComputerName <String[]>

FQDN or IP Address of host to establish a SSH Session.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Credential <PSCredential>

SSH Credentials to use for connecting to a server. If a key file is used the password field is used for the Key pass phrase.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Port <Int32>

SSH TCP Port number to use for the SSH connection.

Required? false

Position? named
Default value 22
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-ProxyServer <String>

Proxy server name or IP Address to use for connection.

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

-ProxyPort <Int32>

Port to connect to on proxy server to route connection.

Required? false
Position? named
Default value 8080
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-ProxyCredential <PSCredential>

PowerShell Credential Object with the credentials for use to connect to proxy server if required.

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

-ProxyType <String>

Type of Proxy being used (HTTP, Socks4 or Socks5).

Required?	false
Position?	named
Default value	HTTP
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

-ConnectionTimeout <Int32>

Connection timeout interval in seconds.

Required?	false
Position?	named
Default value	10
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

-KeepAliveInterval <Int32>

Keep Alive interval in seconds for a connection.

Required?	false
Position?	named
Default value	10
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

-AcceptKey [<SwitchParameter>]

Automatically accepts a new SSH fingerprint for a host

Required?	false
Position?	named
Default value	False
Accept pipeline input?	True (ByPropertyName)

Accept wildcard characters? false

-Force [<SwitchParameter>]

Do not perform any host key validation of the host.

Required? false

Position? named

Default value False

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ErrorOnUntrusted [<SwitchParameter>]

Throw a terminating error if the host key is not a trusted one.

Required? false

Position? named

Default value False

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-KeyFile <String>

OpenSSH format SSH private key file.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-KeyString <String[]>

OpenSSH key in a string array to be used for authentication.

Required? false

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

-KnownHost <IStore>

Known Host IStore either from New-SSHMemoryKnownHost, Get-SSHJsonKnownHost or
Get-SSHOpenSSHKnownHost.

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

System.String[]

System.Management.Automation.PSCredential

System.Int32

System.String

System.Boolean

OUTPUTS

NOTES

----- Example 1 -----

```
PS C:\> New-SSHSession -ComputerName 192.168.1.234 -Credential (Get-Credential) -Verbose
```

Create a new SSH Session to a server.

RELATED LINKS

Online Version: <https://github.com/darkoperator/Posh-SSH/tree/master/docs>