



## Post Installation

- [Verifying Installation, on page 1](#)
- [Viewing Available cmdlets , on page 1](#)
- [Getting Help, on page 3](#)
- [Viewing Examples, on page 5](#)

## Verifying Installation

To verify the installation of the Cisco HX Connect PowerShell Tool Kit (PSTK), enter the following cmdlet:

```
get-module -name Cisco.HXPowerCLI
```

Sample Output:

ModuleType	Version	Name	ExportedCommands
Binary	1.0	Cisco.Runbook	{Add-HXProtectedVMToGroup, Connect-HXCluster, Disconnect-HXCluster, Get-HXCluster...}

## Viewing Available cmdlets

To view a list of all available Cisco HXPowerCLI cmdlets run the command:

```
Get-Command -Module Cisco.HXPowerCLI
```

Sample Output:

CommandType	Name	Version	Source
Cmdlet	Add-HXProtectedVMToGroup	5.0.0.3	Cisco.Runbook
Cmdlet	Connect-HXCluster	5.0.0.3	Cisco.Runbook
Cmdlet	Disconnect-HXCluster	5.0.0.3	Cisco.Runbook

## Viewing Available cmdlets

Cmdlet	Get-HXCluster	5.0.0.3	Cisco.Runbook
Cmdlet	Get-HXTaskStatus	5.0.0.3	Cisco.Runbook
Cmdlet	Get-HXProtectedVM	5.0.0.3	Cisco.Runbook
Cmdlet	Get-HXProtectionGroup	5.0.0.3	Cisco.Runbook
Cmdlet	Invoke-HXFailover	5.0.0.3	Cisco.Runbook
Cmdlet	Invoke-HXPrepareFailover	5.0.0.3	Cisco.Runbook
Cmdlet	Invoke-HXPrepareGroupRecovery	5.0.0.3	Cisco.Runbook
Cmdlet	Invoke-HXPrepareReverseProtect	5.0.0.3	Cisco.Runbook
Cmdlet	Invoke-HXReverseProtect	5.0.0.3	Cisco.Runbook
Cmdlet	Invoke-HXTestFailover	5.0.0.3	Cisco.Runbook
Cmdlet	New-HXProtectionGroup	5.0.0.3	Cisco.Runbook
Cmdlet	Protect-HXVM	5.0.0.3	Cisco.Runbook
Cmdlet	Remove-HXProtectedVMFromGroup	5.0.0.3	Cisco.Runbook
Cmdlet	Remove-HXProtectionGroup	5.0.0.3	Cisco.Runbook
Cmdlet	Unprotect-HXVM	5.0.0.3	Cisco.Runbook
Sample Output:			
CommandType	Name	Version	Source
-----	----	-----	-----
Cmdlet	Add-HXProtectedVMToGroup	1.0	Cisco.Runbook
Cmdlet	Connect-HXCluster	1.0	Cisco.Runbook
Cmdlet	Disconnect-HXCluster	1.0	Cisco.Runbook
Cmdlet	Get-HXCluster	1.0	Cisco.Runbook
Cmdlet	Get-HXJobStatus	1.0	Cisco.Runbook

Cmdlet	Get-HXProtectedVM	1.0	Cisco.Runbook
Cmdlet	Get-HXProtectionGroup	1.0	Cisco.Runbook
Cmdlet	Invoke-HXFailover	1.0	Cisco.Runbook
Cmdlet	Invoke-HXPrepareFailover	1.0	Cisco.Runbook
Cmdlet	Invoke-HXPrepareGroupRecovery	1.0	Cisco.Runbook
Cmdlet	Invoke-HXPrepareReverseProtect	1.0	Cisco.Runbook
Cmdlet	Invoke-HXReverseProtect	1.0	Cisco.Runbook
Cmdlet	Invoke-HXTestFailover	1.0	Cisco.Runbook
Cmdlet	New-HXProtectionGroup	1.0	Cisco.Runbook
Cmdlet	Protect-HXVM	1.0	Cisco.Runbook
Cmdlet	Remove-HXProtectedVMFromGroup	1.0	Cisco.Runbook
Cmdlet	Remove-HXProtectionGroup	1.0	Cisco.Runbook
Cmdlet	Unprotect-HXVM	1.0	Cisco.Runbook

## Getting Help

To get help for the Cisco HXPowerCLI commands, you can use the `Get-help` cmdlet.

For example:

### *Get-help Connect-HXCluster*

```
Output:
NAME
    Connect-HXCluster
SYNOPSIS
    Connects to the HX Cluster.
SYNTAX
    Connect-Cluster [-ClusterIP] <string> [[-Credential] <PSCredential>] [[-Username]
    <string>] [[-Password] <string>] [<CommonParameters>]
DESCRIPTION
    Connects to the HX Cluster.
RELATED LINKS
    Disconnect-HXCluster
    Get-HXCluster
REMARKS
    To see the examples, type: "get-help Connect-HXCluster -examples".
```

For more information, type: "get-help Connect-HXCluster -detailed".  
 For technical information, type: "get-help Connect-HXCluster -full".  
 For online help, type: "get-help Connect-HXCluster -online".

To display the full help content for a Cisco HXPowerCLI command, you can use the `get-help <command> -full cmdlet`:

For example:

*get-help Connect-HXCluster -full*

```

NAME
    Connect-HXCluster
SYNOPSIS
    Connects to the HX Cluster.
SYNTAX
    Connect-Cluster [-ClusterIP] <string> [[-Credential] <PSCredential>] [[-Username]
<string>] [[-Password] <string>] [<CommonParameters>]
DESCRIPTION
    Connects to the HX Cluster.
PARAMETERS
    -Credential <PSCredential>
        Specify the user's credential for the cluster.
        Required?                false
        Position?                1
        Default value
        Accept pipeline input?    true (ByValue, ByPropertyName)
        Accept wildcard characters? false
    -cred <PSCredential>
        Specify the user's credential for the cluster.
        This is an alias of the Credential parameter.
        Required?                false
        Position?                1
        Default value
        Accept pipeline input?    true (ByValue, ByPropertyName)
        Accept wildcard characters? false
    -ClusterIP <string>
        Specify the HX Cluster IP.
        Required?                true
        Position?                0
        Default value
        Accept pipeline input?    false
        Accept wildcard characters? false
    -Cluster <string>
        Specify the HX Cluster IP.
        This is an alias of the ClusterIP parameter.
        Required?                true
        Position?                0
        Default value
        Accept pipeline input?    false
        Accept wildcard characters? false
    -Username <string>
        Specify the username for the HX Cluster.
        Required?                false
        Position?                1
        Default value
        Accept pipeline input?    false
        Accept wildcard characters? false
    -user <string>
        Specify the username for the HX Cluster.
        This is an alias of the Username parameter.
        Required?                false
        Position?                1
        Default value
        Accept pipeline input?    false
  
```

```

    Accept wildcard characters? false
-Password <string>
    Specify the password for the HX Cluster.
    Required? false
    Position? 2
    Default value
    Accept pipeline input? false
    Accept wildcard characters? false
-pwd <string>
    Specify the password for the HX Cluster.
    This is an alias of the Password parameter.
    Required? false
    Position? 2
    Default value
    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 (http://go.microsoft.com/fwlink/?LinkID=113216).
INPUTS
System.Management.Automation.PSCredential
    Specify the user's credential for the cluster.
OUTPUTS
IO.Swagger.Model.VirtualMachine
----- EXAMPLE 1 -----
C:\> Connect-HXCluster -ClusterIP 10.198.14.227 -Username root -Password abc
Output
-----
10.198.14.227 is connected..
RELATED LINKS
Disconnect-HXCluster
Get-HXCluster

```

## Viewing Examples

To view examples for the Cisco HXPowerCLI commands, you can use the `get-help Connect-HXCluster -examples cmdlet`.

For example:

```

PS C:\> get-help Connect-HXCluster -examples
NAME
    Connect-HXCluster
SYNOPSIS
    Connects to the HX Cluster.
----- EXAMPLE 1 -----
C:\> Connect-HXCluster -ClusterIP 10.198.14.227 -Username root -Password abc
Output
-----
10.198.14.227 is connected.

```

