



PowerShell Cmdlets for Cisco UCS Central Management Pack

This chapter contains the following section:

- [Importing Cmdlets from the PowerShell Module, on page 1](#)
- [Adding or Updating UCS Central Instances, on page 1](#)

Importing Cmdlets from the PowerShell Module

Step 1 On a Management Server open Operations Manager Shell.

The Cisco PowerShell module is shared across all the Management Servers in the Management Group.

Note The `CiscoUcsCentralScomPs` module is installed in `%PROGRAMDATA%\Cisco\Modules`.

Step 2 Import the `CiscoUcsCentralScomPs` module.

Step 3 To see all cmdlets in `CiscoUcsCentralScomPs` module, use the `Get-Command -Module CiscoUcsCentralScomPs` command in the PowerShell window.

Note If you are using another PowerShell session, import the `OperationsManager` module before importing the `CiscoUcsCentralScomPs` module.

Adding or Updating UCS Central Instances

Add-UcsCentralScomInstance

Provide either an existing management pack or name for new management pack to add this instance. If none is provided, a new management pack is created with the same name as that of instance.

```
Add-UcsCentralScomInstance -UcsIPAddress <string>  
-MachineType <string> {Agent Managed Computer (Trusted Boundary)  
| Agent Managed Computer (Untrusted Boundary) |
```

```

Management Server | Gateway Server} -MachineName <string>
-InstanceName <string> [-Port <int>]
[-ManagementPacName <string>] [-Description <string>]
[-ProxyHost <string>]
[-ProxyPort <int>] [-ProxyUsername <string>]
[-ProxyPassword <string>] [-ExistingRunAsAccount <string>]
[-OrgDiscoveryLevel <int>] [-ShowUnassociatedProfiles]
[-DisableUCSDomainsDiscovery] [<CommonParameters>]

Add-UcsCentralScomInstance -UcsIPAddress <string>
-MachineType <string> {Agent Managed Computer (Trusted Boundary)
| Agent Managed Computer (Untrusted Boundary) |
Management Server | Gateway Server} -MachineName <string>
-InstanceName <string> -RunAsAccount <string>
-RunAsCredential <pscredential> [-Port <int>] [-ManagementPacName
<string>] [-Description <string>] [-ProxyHost
<string>] [-ProxyPort <int>] [-ProxyUsername <string>]
[-ProxyPassword <string>] [-OrgDiscoveryLevel
<int>] [-ShowUnassociatedProfiles] [-DisableUCSDomainsDiscovery]
[<CommonParameters>]

Add-UcsCentralScomInstance -UcsIPAddress <string>
-MachineType <string> {Agent Managed Computer (Trusted Boundary)
| Agent Managed Computer (Untrusted Boundary) |
Management Server | Gateway Server} -MachineName <string>
-InstanceName <string> -ExistingManagementPack
<ManagementPack> -Description <string> -RunAsAccount <string>
-RunAsCredential <pscredential> [-Port <int>]
[-ProxyHost <string>] [-ProxyPort <int>]
[-ProxyUsername <string>]
[-ProxyPassword <string>] [-OrgDiscoveryLevel
<int>] [-ShowUnassociatedProfiles] [-DisableUCSDomainsDiscovery]
[<CommonParameters>]

Add-UcsCentralScomInstance -UcsIPAddress
<string> -MachineType <string> {Agent Managed Computer (Trusted Boundary)
| Agent Managed Computer (Untrusted Boundary) |
Management Server | Gateway Server} -MachineName <string>
-InstanceName <string> -ExistingManagementPack
<ManagementPack> -Description <string> [-Port <int>] [-ProxyHost
<string>] [-ProxyPort <int>] [-ProxyUsername <string>]
[-ProxyPassword <string>] [-ExistingRunAsAccount <string>]
[-OrgDiscoveryLevel <int>] [-ShowUnassociatedProfiles]
[-DisableUCSDomainsDiscovery] [<CommonParameters>]

```

Parameter	Description
UcsIPAddress	IP address or host name of the UCS Central to register
MachineType	Type of Operations Manager machine to register the UCS Central
MachineName	FQDN of the machine on which UCS Central is registered (all scripts related to this UCS Central MP will be run on this machine)
InstanceName	Name to be given to this UCS Central instance
Port	Port number

Parameter	Description
ManagementPackName	Name of the new management pack to be created (if not specified, InstanceName will be used for management pack)
Description	Optional description string for the UCS Central instance
NoSsl	Switch parameter to specify non-secure (http) connectivity with UCS Central
ProxyHost	IP address or hostname of proxy server to be used for communicating with UCS Central
ProxyPort	Proxy port number
ProxyUsername	Username for proxy server
ProxyPassword	Password for proxy server
ExistingRunAsAccount	Name of the existing Run-As account to be used for this instance
RunAsAccount	Name of new Run-As account to be created for this instance
RunAsCredential	UCS credentials for the new Run-As account to be created
ExistingManagementPack	Existing management pack object to which the instance is to be added

Example

```
$secureString =ConvertTo-SecureString "Nbv12#45" -AsPlainText -Force
$credentials = New-Object System.Management.Automation.PSCredential("admin", $secureString)
Add-UcsCentralScomInstance -UcsIPAddress "10.106.233.245" -MachineType 'Management Server'
-MachineName 'SCOM2016RTMMS.qatcslab.cisco.com' -InstanceName 'CISCO_UCS_Central_MS'
-RunAsAccount 'central245new'
-RunAsCredential $credentials -Port '443' -ManagementPackName 'CISCO_UCSC_MP_NEW'
-Description "sampledescription"
-OrgDiscoveryLevel 4 -ShowUnassociatedProfiles -DisableUCSDomainsDiscovery
```

Update-UcsCentralScomInstance

```
Update-UcsCentralScomInstance [-InstanceName] <string> [[-UcsIPAddress] <string>] [[-Port]
<string>]
[[-MachineType] <string> {Agent Managed Computer (Trusted Boundary) | Agent Managed Computer
(Untrusted Boundary) | Management Server | Gateway Server}] [[-MachineName] <string>]
[[-Description]
<string>] [[-Secure] <bool>] [[-ProxyHost] <string>] [[-ProxyPort] <int>] [[-ProxyUsername]
<string>] [[-ProxyPassword] <string>]
```

Parameter	Description
UcsIPAddress	IP address or host name of the UCS Central to register
MachineType	Type of Operations Manager machine to register the UCS Central
MachineName	FQDN of the machine on which UCS Central is registered (all scripts related to this UCS Central MP will be run on this machine)
Port	Port number
Description	Optional description string for the UCS Central instance
ProxyHost	IP address or hostname of proxy server to be used for communicating with UCS Central
ProxyPort	Proxy port number
ProxyUsername	Username for proxy server
ProxyPassword	Password for proxy server

Example

```
Update-UcsCentralScomInstance -InstanceName ' CISCO_UCS_Central_MS ' -UcsIPAddress
"10.106.233.245" -Port '443'
-MachineType "Management Server" -MachineName ' SCOM2016RTMMS.qatcslab.cisco.com '
-Description 'sample' -Secure $True -ProxyHost "10.65.183.85" -proxyport 808 -ProxyUsername
'scom'
-ProxyPassword 'scom' -OrgDiscoveryLevel 2
```

Get-UcsCentralScomDiscovery

```
Get-UcsCentralScomDiscovery -InstanceName <string> -ClassName <string[]> [<CommonParameters>]
```

Example

```
Get-UcsCentralScomDiscovery -InstanceName "CISCO_UCS_Central_MS" -DiscoveryName "Organization
Discovery"
```

Enable-UcsCentralScomDiscovery

```
Enable-UcsCentralScomDiscovery [-Discovery] <ManagementPackDiscovery[]> [<CommonParameters>]
```

Example

```
$o = Get-UcsCentralScomDiscovery -InstanceName "CISCO_UCS_Central_MS" -ClassName 'Global
Service Profile'
Enable-UcsCentralScomDiscovery -Discovery $o
```

Disable-UcsCentralScomDiscovery

```
Disable-UcsCentralScomDiscovery [-Discovery] <ManagementPackDiscovery[]> [<CommonParameters>]
```

Example

```
$o = Get-UcsCentralScomDiscovery -InstanceName "CISCO_UCS_Central_MS" -ClassName 'Global  
Service Profile'  
Disable-UcsCentralScomDiscovery -Discovery $o
```

Get-UcsCentralScomRule

```
Get-UcsCentralScomRule [[-Class] <string[]>] [[-FaultID] <string[]>] [<CommonParameters>]
```

Example

```
Get-UcsCentralScomRule -class "Cisco UCS Central Instance"
```

Enable-UcsCentralScomRule

Provide a name of management pack to which the override is added.

```
Enable-UcsCentralScomRule [-Rule] <ManagementPackRule[]> [-ManagementPackName] <string>  
[<CommonParameters>]
```

Example

```
Enable-UcsCentralScomRule -Rule (Get-UcscentralscomRule -FaultID "F10000374")  
-ManagementPackName 'CISCO_UCSC_MP'
```

Disable-UcsCentralScomRule

Provide a name of management pack to which the override is added.

```
Disable-UcsCentralScomRule [-Rule] <ManagementPackRule[]> [-ManagementPackName] <string>  
[<CommonParameters>]
```

Example

```
Disable-UcsCentralScomRule -Rule (Get-UcscentralscomRule -FaultID "F10000374")  
-ManagementPackName "Cisco Ucs Central Management Pack"
```

