



PowerShell Cmdlets for Cisco UCS Management Pack

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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 `CiscoUcsScomPs` module is installed in `%PROGRAMDATA%\Cisco\Modules`.

Step 2 Import the `CiscoUcsScomPs` module.

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

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

Adding or Updating UCS Instances

Add-UcsScomInstance

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-UcsScomInstance -UcsIPAddress <string> -MachineType <string>
{Agent Managed Computer (Trusted Boundary) |
Agent Managed Computer (Untrusted Boundary) | Management Server |
```

```
Gateway Server} -MachineName <string>
-InstanceName <string> [-Port <int>] [-ManagementPackName <string>]
[-Description <string>] [-NoSsl] [-ProxyHost
<string>] [-ProxyPort <int>] [-ProxyUsername <string>]
[-ProxyPassword <string>] [-ExistingRunAsAccount <string>
[-OrgDiscoveryLevel <int>] [-ShowUnassociatedProfiles]
[-SuspendPerformanceStatsCollection] [<CommonParameters
```

```
Add-UcsScomInstance -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>] [-ManagementPackName
string] [-Description <string>] [-NoSsl] [-ProxyHost <string>]
[-ProxyPort <int>] [-ProxyUsername <string>]
[-ProxyPassword <string>] [-OrgDiscoveryLevel <int>]
[-ShowUnassociatedProfiles]
[-SuspendPerformanceStatsCollection] [<CommonParameters>]
```

```
Add-UcsScomInstance -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>] [-NoSsl]
[-ProxyHost <string>] [-ProxyPort <int>] [-ProxyUsername
<string>] [-ProxyPassword <string>]
[-OrgDiscoveryLevel <int>] [-ShowUnassociatedProfiles]
[-SuspendPerformanceStatsCollection] [<CommonParameters>]
```

```
Add-UcsScomInstance -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>] [-NoSsl]
[-ProxyHost <string>] [-ProxyPort <int>]
[-ProxyUsername <string>] [-ProxyPassword <string>]
[-ExistingRunAsAccount <string>] [-OrgDiscoveryLevel <int>]
[-ShowUnassociatedProfiles]
[-SuspendPerformanceStatsCollection] [<CommonParameters>]
```

Parameter	Description
UcsIPAddress	IP address or host name of the UCS to register
MachineType	Type of Operations Manager machine to register the UCS
MachineName	FQDN of the machine on which UCS is registered (all scripts related to this UCS MP will be run on this machine)
InstanceName	Name to be given to this UCS 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 instance
NoSsl	Switch parameter to specify non-secure (http) connectivity with UCS
ProxyHost	IP address or hostname of proxy server to be used for communicating with UCS
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



Note You can either add an UCS instance on a new Management Pack or on an existing pack name, but you cannot do both for a single instance.

Example

```
$secureString = ConvertTo-SecureString "PASSWORD" -AsPlainText -Force
$credentials = New-Object System.Management.Automation.PSCredential
("USERNAME",$secureString)

Add-UcsScomInstance -UcsIPAddress 10.10.10.10 -InstanceName
'UCSNAME_10' -MachineType 'Management Server' -MachineName
FQDN of 'SCOM_MS1' -Secure -ProxyHost '10.10.10.2'
-ProxyPort 58 -RunAsAccount 'UCS10' -RunAsCredential $credentials
```

Update-UcsScomInstance

```
Update-UcsScomInstance [-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>] [[-OrgDiscoveryLevel]
<int>] [[-ShowUnassociatedProfiles] <bool>]
[[-SuspendPerformanceStatsCollection] <bool>] [<CommonParameters>]
```

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

Update-UcsScomAllInstances Cmdlet

Updates all the existing UCS instances after upgrade from version 4.0(1) or higher.

Get-UcsScomDiscovery

```
Get-UcsScomDiscovery -InstanceName <string>
Get-UcsScomDiscovery -InstanceName <string> -ClassName <string[]>
Get-UcsScomDiscovery -InstanceName <string> -DiscoveryName <string[]>
```

Enable-UcsScomDiscovery

```
Enable-UcsScomDiscovery [-Discovery] <ManagementPackDiscovery[]>
```

Disable-UcsScomDiscovery

```
Disable-UcsScomDiscovery [-Discovery] <ManagementPackDiscovery[]>
```

Get-UcsScomRule

```
Get-UcsScomRule [[-Class] <string[]>] [[-FaultID] <string[]>]
```

Enable-UcsScomRule

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

```
Enable-UcsScomRule [-Rule] <ManagementPackRule[]>  
[-ManagementPackName] <string>
```

Disable-UcsScomRule

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

```
Disable-UcsScomRule [-Rule] <ManagementPackRule[]>  
[-ManagementPackName] <string>
```

