

Citrix Provisioning Services 6.0 PowerShell Programmer's Guide

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Introduction

Use Provisioning Services' programming interfaces to manage your implementation from a command line or from scripts. Only users with correct administrative privileges can use programming commands. Non-administrators, that do not have elevated privileges and attempt to use these commands, will receive the 'Invalid access' message.

Three different programming interfaces exist:

- Management Command Line Interface (MCLI)
- Simple Object Access Protocol (SOAP) Server Programmer Interface
- PowerShell Programmer Interface

This document provides the information needed to use this interface.

Using the PowerShell Programmer Interface

Use the information that follows to manage a Provisioning Service's implementation from the PowerShell interface.

Installation of PowerShell

PowerShell can be downloaded from:

<http://www.microsoft.com/windowsserver2003/technologies/management/powershell/download.msp>

After you have downloaded and installed PowerShell, start a PowerShell command prompt (you can use either the start menu item or the shortcut on your desktop). By default, PowerShell will not run scripts. You need to do a one-time configuration fix to enable scripting. Type the command:

set-executionPolicy remotesigned

Installation of PowerShell Snap-In

The PowerShell snap-in (McliPSSnapIn.dll) can be installed using the Provisioning Server Console install.

If it later needs to be registered in PowerShell, this can be manually done by running one of the following commands at the DOS command prompt:

For 32-bit

%systemroot%\Microsoft.NET\Framework\v2.0.50727\installutil.exe McliPSSnapIn.dll

For 64-bit

%systemroot%\Microsoft.NET\Framework64\v2.0.50727\installutil.exe McliPSSnapIn.dll

Another way to register is by running one of the following commands at the PowerShell command prompt:

For 32-bit

```
$installutil = $env:systemroot + '\Microsoft.NET\Framework\v2.0.50727\installutil.exe'  
&$installutil McliPSSnapIn.dll
```

For 64-bit

```
$installutil = $env:systemroot + '\Microsoft.NET\Framework64\v2.0.50727\installutil.exe'  
&$installutil McliPSSnapIn.dll
```

To install the Snap-In to a running PowerShell command prompt, run this command:
Add-PSSnapin -Name McliPSSnapIn

Uninstall of PowerShell Snap-In

The PowerShell snap-in (McliPSSnapIn.dll) can be uninstalled using the Provisioning Server Console install.

It can be manually unregistered from PowerShell, by running one of the following commands at a DOS command prompt:

For 32-bit

```
%systemroot%\Microsoft.NET\Framework\v2.0.50727\installutil.exe -u McliPSSnapIn.dll
```

For 64-bit

```
%systemroot%\Microsoft.NET\Framework64\v2.0.50727\installutil.exe -u McliPSSnapIn.dll
```

Another way to unregister is by running the following at the at a PowerShell command prompt:

For 32-bit

```
$installutil = $env:systemroot + '\Microsoft.NET\Framework\v2.0.50727\installutil.exe'  
&$installutil -u McliPSSnapIn.dll
```

For 64-bit

```
$installutil = $env:systemroot + '\Microsoft.NET\Framework64\v2.0.50727\installutil.exe'  
&$installutil -u McliPSSnapIn.dll
```

Setup of the SOAP Server Communication

Unless the defaults are fine, use this command to set the values for the SOAP Server connection:

```
Mcli-Run SetupConnection -p name=value[, name2=value2]
```

Setup the SOAP server connection that will be used for the MCLI and PowerShell command line interfaces.

-p

Parameters needed for this Run.

Optional

server	Server used for the connection. Default=localhost
port	Port used for the connection. Default=8000
user	User used for the connection. Default=Current user
domain	User domain used for the connection. Default=Current user
password	User password used for the connection. Default=Current user

PowerShell Snap-In Command Types

There are 9 types of commands that used to run the PowerShell snap-in (McliPSSnapIn.dll).

Mcli-Add

Short Description

Add an AuthGroup, Collection, Device, DiskLocator, FarmView, Server, Site, SiteView, Store or UserGroup.

Detailed Description

Add an object. The format is:

```
Mcli-Add <type>[ -p name=value[, name2=value2]] <-r name=value, name2=value2>  
<type> specifies the type of object being added. To get help on what parameters are  
needed for a specific type, enter Mcli-Help Add <type>, for example: Mcli-Help Add  
Device
```

-p has a list of name=value pair parameters as needed to add the object.

-r has the definition of the record name=value pairs needed to define the object.

If successful, a string GUID unique ID of the object is returned.

Input Type

```
Mcli-Add <type>[ -p name=value[, name2=value2]] <-r name=value[, name2=value2]>
```

Input Type Description

<type> can be any of these:

AuthGroup: Add an Active Directory or Windows Group for authorization.

Collection: Add a Collection to a Site.

Device: Add a Device to a Collection.

DiskLocator: Add a Disk Locator to a Site. The Disk file must already exist.

FarmView: Add a View to a Farm.

Server: Add a Server to a Site.

Site: Add a Site to the system.

SiteView: Add a View to a Site.

Store: Add a Store to the system.

UserGroup: Add an Active Directory or Windows Group for users.

To get help on the [-p name=value[, name2=value2]] <-r name=value[, name2=value2]>, specify Add <type>.

For example: Mcli-Help Add AuthGroup

Return Type

Returns a string GUID that is the unique ID of the object added.

Return Type Description

Before executing a command, \$error.Clear() should be called. After executing a command, it was successful if \$error.Count equals 0. If \$error.Count > 0 then \$error[0].FullyQualifiedErrorId.Split(',')[0].Trim() will be equal to one of the return codes.

To get help on return codes, specify only Codes.

For example: Mcli-Help Codes

Return Type

Returns a string GUID that is the unique ID of the object added.

Return Type Description

Before executing a command, \$error.Clear() should be called. After executing a command, it was successful if \$error.Count equals 0. If \$error.Count > 0 then \$error[0].FullyQualifiedErrorId.Split(',')[0].Trim() will be equal to one of the return codes.

To get help on return codes, specify only Codes.

For example: Mcli-Help Codes

Parameters

Type

Type of object to add. Valid values are AuthGroup, Collection, Device, DiskLocator, FarmView, Server, Site, SiteView, Store or UserGroup.

r

List of name=value pairs needed to define the object. They are comma delimited.

Help Example

Example Command

Mcli-Help Add Device

Example Description

Displays help on the parameters needed for the Type of add. The Device above can be any of these values: AuthGroup, Collection, Device, DiskLocator, FarmView, Server, Site, SiteView, Store or UserGroup.

Example Output

Add a new Device to a collection.

```
Mcli-Add Device <-r name=value, name2=value2>
```

-r = record values to be set.

deviceName	Computer name with no spaces. ASCII Max Length=15
collectionId	GUID of the Collection this Device is to be a member of. It is not used with collectionName. Length=36
collectionName	Name of the Collection this Device is to be a member of. siteName or siteId must also be used.
siteId	GUID of the Site the collectionName is to be a member of. This or siteName is used with collectionName.
siteName	Name of the Site the collectionName is to be a member of. This or siteId is used with collectionName.
description	User description. Default="" Max Length=250
deviceMac	Ethernet address as a string in the form XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17
bootFrom	Device to boot from. Choices are 1 for Vdisk, 2 for Hard Disk, and 3 for Floppy. Min=1, Max=3, Default=1
className	Used by Automatic Update feature to match new versions of Disks to a Device. Default="" Max Length=41
port	UDP port to use with Stream Service. Min=1025, Max=65536, Default=6901
enabled	1 when it can be booted, 0 otherwise. Default=1
localDiskEnabled	If there is a local disk menu choice for the Device, this is 1. Default=0
authentication	Device log in authentication. Choices are 0 for none, 1 for User Name/Password, and 2 for Extern. Min=0, Max=2, Default=0
user	Name of user to authenticate before the boot process continues. Default="" ASCII Max Length=20

password	Password of user to authenticate before the boot process continues. Default="" ASCII Max Length=100
copyTemplate	1 if the Template Device for the collection, if it exists, should be used for the property settings of the added Device.
adTimestamp	The time the Active Directory machine account password as generated. Default=0
adSignature	The signature of the Active Directory machine account password. Default=0
resultId	If successful, the GUID of the record added.

Device Example

Example Command

```
mcli-Add Device -r deviceName=Device1, deviceMac=1a-2b-3c-4d-5e-6f,
description="A description"
```

Example Description

Adds a Device. The deviceName and deviceMac are required and must not already exist. The description is optional.

Example Output

```
Executing: Add Device
Add succeeded. resultId = e7cc9adb-8689-420a-89bb-1988de82d793
```

Mcli-Delete

Short Description

Delete an AuthGroup, Collection, Device, DeviceDiskCacheFile, DiskLocator, FarmView, Server, ServerStore, Site, SiteView, Store or UserGroup.

Detailed Description

Delete an object. The format is:

```
Mcli-Delete <type>[ -p name=value[, name2=value2]]
```

<type> specifies the type of object being deleted. To get help on what parameters are needed for a specific type, enter Mcli-Help Delete <type>, for example: Mcli-Help Delete Device

-p has a list of name=value pair parameters as needed to delete the object.

Input Type

```
Mcli-Delete <type>[ -p name=value[, name2=value2]]
```

Input Type Description

<type> can be any of these:

AuthGroup: Delete an Active Directory or Windows Group for authorization.

Collection: Delete a Collection from a Site.

Device: Delete a Device from a Collection.
DeviceDiskCacheFile: Deletes the Disk cache files for a Device.
DiskLocator: Delete a Disk Locator from a Site. The Disk file can also be Deleted at the same time.
FarmView: Delete a View from a Farm.
Server: Delete a Server from a Site.
ServerStore: Delete a Server Store relationship.
Site: Delete a Site from the system.
SiteView: Delete a View from a Site.
Store: Delete a Store from the system.
UserGroup: Deletes a UserGroup Active Directory or Windows Group name.

To get help on the [-p name=value[, name2=value2]], specify Delete <type>.
For example: Mcli-Help Delete AuthGroup

Return Type

None

Return Type Description

Before executing a command, \$error.Clear() should be called. After executing a command, it was successful if \$error.Count equals 0. If \$error.Count > 0 then \$error[0].FullyQualifiedErrorId.Split(',')[0].Trim() will be equal to one of the return codes.

To get help on return codes, specify only Codes.
For example: Mcli-Help Codes

Parameters

Type

Type of object to delete. Valid values are AuthGroup, Collection, Device, DeviceDiskCacheFile, DiskLocator, FarmView, Server, ServerStore, Site, SiteView, Store or UserGroup.

p

List of name=value pairs needed to define what to process. They are comma delimited.

Help Example

Example Command

```
Mcli-Help Delete Device
```

Example Description

Displays help on the parameters needed for the Type of delete. The Device above can be any of these values: AuthGroup, Collection, Device, DeviceDiskCacheFile, DiskLocator, FarmView, Server, ServerStore, Site, SiteView, Store or UserGroup.

Example Output

Deletes one or more Devices.

```
Mcli-Delete Device[ -p name=value, name2=value2]
```

-p = parameters to specify the criteria are listed below:

One of these required

deviceId	GUID of the Device to Delete.
deviceName	Name of the Device to Delete.
deviceMac	MAC of the Device to Delete.
collectionId	GUID of the Collection to delete all Devices.

or this required & resolution

collectionName	Name of the Collection to delete all Devices.
----------------	---

One of these resolution when needed

siteId	GUID of the Site.
siteName	Name of the Site.

Device Example

Example Command

```
mcli-Delete Device -p deviceName=Device1
```

Example Description

Deletes a Device.

Example Output

```
Executing: Delete Device  
Delete succeeded.
```

Mcli-Get

Short Description

Get AdDomains, AuthGroup, AuthGroupUsage, Collection, CommandDescription, CommandFields, CommandParameters, CommandSortFields, CommandStandardParameters, Device, DeviceBootstraps, DeviceCustomProperty, DeviceDiskPrinters, DeviceInfo, DevicePersonality, DevicePortBlockerCategories, DevicePortBlockerOverrides, DeviceStatus, Disk, DiskInfo, DiskLocator, DiskLocatorCustomProperty, DiskLocatorLock, DiskLocatorPortBlockerCategories, DiskLocatorPortBlockerOverrides, DiskPrinters, ExceptionDescriptions, Farm, FarmView, Groups, Server, ServerBiosBootstrap, ServerBootstrap, ServerBootstrapNames, ServerCustomProperty, ServerInfo, ServerStatus, ServerStore, Site, SiteView, Store, UserGroup, UserGroupCustomProperty or UserGroupPersonality.

Detailed Description

Get one or more objects. The format is:

```
Mcli-Get <type>[ -p name=value[, name2=value2]][ -f field1[, field2]][ -s sortfield-]
```

<type> specifies the type of object being get. To get help on what parameters are needed for a specific type, enter Mcli-Help Get <type>, for example: Mcli-Help Get Device
-p has a list of name=value pair parameters as needed to get the objects.
-f is a list of fields to be returned, if none are specified then all are returned.
-s is the field to sort on, if not specified the output is sorted by any included *Name field.
Append a - to the field name to get descending order.
If successful, the records found are listed.

Input Type

Mcli-Get <type>[-p name=value[, name2=value2]][-f field1[, field2]][-s sortfield-]

Input Type Description

<type> can be any of these:

AdDomains: Gets all of the available Active Directory domains.

AuthGroup: Gets the fields for an AuthGroup, all AuthGroups in the system, AuthGroups with Farm, Site or Collection Authorization. All AuthGroups in the system are returned if no parameters are passed.

AuthGroupUsage: Gets the items that are authorized for an AuthGroup.

Collection: Gets the fields for a Collection or all Collections in a Site or Farm.

CommandDescription: Returns one or more commands with description.

CommandFields: Returns one record with fields and descriptions.

CommandParameters: Returns records with parameter type, parameters and descriptions.

Parameter types that maybe returned include: Optional, RequiredSingle, OptionalSingle, RequiredSingleAmbiguous, OptionalSingleAmbiguous, and Resolution.

CommandSortFields: Returns one record with sort fields and descriptions.

CommandStandardParameters: Returns one record with standard parameter types and descriptions. Parameter types that maybe returned include: parameters, fields, record, records, sortField, resultId, rv, startPosition, maxRecords, totalCount, dataIn, dataOut, and commands.

Device: Gets the fields for a Device, all Devices in a Collection, Site, Farm View, or Farm.

DeviceBootstraps: Get all Bootstrap files for a Device, and the menuText for each.

DeviceCustomProperty: Get the Device Custom Property names and values.

DeviceDiskPrinters: Get all non-disabled Printers for a Device/Disk, and the setting for each.

DeviceInfo: Gets the fields and status for a Device, all Devices in a Collection, Site, Farm View, or Farm.

DevicePersonality: Get the Device Personality names and values.

DevicePortBlockerCategories: Get the Device Port Blocker Category settings.

DevicePortBlockerOverrides: Get the Device Port Blocker Override settings.

DeviceStatus: Gets the Device Status fields for a Device or all Devices for a Server, Disk Locator, or Farm.

Disk: Get the fields for a single disk.

DiskInfo: Gets the fields for a Disk and Disk Locator or all Disks and Disk Locators for a Device, Server, Store, Site, or Farm.

DiskLocator: Gets the fields for a Disk Locator or all Disk Locators for a Device, Server, Store, Site, or Farm.

DiskLocatorCustomProperty: Get the DiskLocator Custom Property names and values.

DiskLocatorLock: Gets the fields for all the locks of a Disk Locator.

DiskLocatorPortBlockerCategories: Get the Disk Port Blocker Category settings.

DiskLocatorPortBlockerOverrides: Get the Disk Port Blocker Override settings.

DiskPrinters: Get all available Printers for a Disk.

ExceptionDescriptions: Returns all of the exceptions with description.

Farm: Gets the fields for the Farm.

FarmView: Gets the fields for a Farm View or all Farm Views in the Farm.

Groups: Gets all of the available groups.

Server: Gets the fields for a Server, all Servers in a Site that use a Store, service a DiskLocator, or for the whole Farm.

ServerBootstrap: Gets the bootstrap fields for the Server and named bootstrap file specified.

ServerBootstrapNames: Gets the bootstrap names for a Server.

ServerCustomProperty: Get the Server Custom Property names and values.

ServerInfo: Gets the fields and status for a Server, all Servers in a Site that use a Store, service a DiskLocator, or for the whole Farm.

ServerStatus: Gets the Server Status fields for a Server.

ServerStore: Get the directory and cache paths of a Server for one or all Stores.

Site: Gets the fields for a Site or all Sites.

SiteView: Gets the fields for a Site View or all Site Views in a Site or the whole Farm.

Store: Gets the fields for a Store or all Stores for a Server, Site or the Farm.

UndefinedDisks: Get undefined Disks for the Store on the Server specified.

UserGroup: Gets the fields for a UserGroup or all UserGroups in a Site or the whole Farm.

UserGroupCustomProperty: Get the UserGroup Custom Property names and values.

UserGroupPersonality: Get the UserGroup Personality names and values.

Return Type

Returns the records found.

Return Type Description

Before executing a command, `$error.Clear()` should be called. After executing a command, it was successful if `$error.Count` equals 0. If `$error.Count > 0` then `$error[0].FullyQualifiedErrorId.Split(',')[0].Trim()` will be equal to one of the return codes.

To get help on return codes, specify only Codes.

For example: `Mcli-Help Codes`

Parameters

Type

Type of object to get. Valid values are `AdDomains`, `AuthGroup`, `AuthGroupUsage`, `Collection`, `CommandDescription`, `CommandFields`, `CommandParameters`,

CommandSortFields, CommandStandardParameters, Device, DeviceBootstraps, DeviceCustomProperty, DeviceDiskPrinters, DeviceInfo, DevicePersonality, DevicePortBlockerCategories, DevicePortBlockerOverrides, DeviceStatus, Disk, DiskInfo, DiskLocator, DiskLocatorCustomProperty, DiskLocatorLock, DiskLocatorPortBlockerCategories, DiskLocatorPortBlockerOverrides, DiskPrinters, ExceptionDescriptions, Farm, FarmView, Groups, Server, ServerBiosBootstrap, ServerBootstrap, ServerBootstrapNames, ServerCustomProperty, ServerInfo, ServerStatus, ServerStore, Site, SiteView, Store, UndefinedDisks, UserGroup, UserGroupCustomProperty or UserGroupPersonality.

p

List of name=value pairs needed to define what to process. They are comma delimited.

f

List of fields to be returned, if none are specified then all are returned. They are comma delimited.

s

The field to sort on, if not specified the output is sorted by any included *Name field. Append a - to the field name to get descending order.

Help Example

Example Command

```
Mcli-Help Get Device
```

Example Description

Displays help on the parameters needed for the Type of get. The Device above can be any of these values: AdDomains, AuthGroup, AuthGroupUsage, Collection, CommandDescription, CommandFields, CommandParameters, CommandSortFields, CommandStandardParameters, Device, DeviceBootstraps, DeviceCustomProperty, DeviceDiskPrinters, DeviceInfo, DevicePersonality, DevicePortBlockerCategories, DevicePortBlockerOverrides, DeviceStatus, Disk, DiskInfo, DiskLocator, DiskLocatorCustomProperty, DiskLocatorLock, DiskLocatorPortBlockerCategories, DiskLocatorPortBlockerOverrides, DiskPrinters, ExceptionDescriptions, Farm, FarmView, Groups, Server, ServerBiosBootstrap, ServerBootstrap, ServerBootstrapNames, ServerCustomProperty, ServerInfo, ServerStatus, ServerStore, Site, SiteView, Store, UndefinedDisks, UserGroup, UserGroupCustomProperty or UserGroupPersonality.

Example Output

Gets the fields for a Device, all Devices in a Collection, Site, Farm View, or Farm.

```
Mcli-Get Device[ -p name=value[, name2=value2]][ -f field1[, field2]][ -s sortfield-]
```

-p = parameters to specify the criteria are listed below:

One of these optional

deviceId	GUID of the Device to Get.
deviceName	Name of Device to Get.
deviceMac	MAC of the Device to Get.
collectionId	GUID of the Collection to Get all Devices for.
serverId	GUID of the Server to Get all Devices for.
serverName	Name of the Server to Get all Devices for.
diskLocatorId	GUID of the DiskLocator to Get all Devices for.
siteViewId	GUID of the Site View to Get all Devices for.
farmViewId	GUID of the Farm View to Get all Devices for.
farmViewName	Name of the Farm View to Get all Devices for.
siteId	GUID of the Site.
siteName	Name of the Site.

or one of these optional & resolution

collectionName	Name of the Collection to Get all Devices for.
diskLocatorName	Name of the DiskLocator to Get all Devices for.
siteViewName	Name of the Site View to Get all Devices for.

One of these resolution when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolution when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

-f = fields to be returned, if none are specified then all are returned.

-s = field to sort on, if not specified the output is sorted by deviceName.

Append a - to the field name to get descending order.

Fields that can be used as the sort field have a * in front of them.

deviceId	Read-only GUID that uniquely identifies this Device. Length=36
* deviceName	Computer name with no spaces. ASCII Max Length=15
collectionId	GUID of the Collection this Device is to be a member of. It is not used with collectionName. Length=36
collectionName	Name of the Collection this Device is to be a member of. siteName or siteId must also be used.
siteId	GUID of the Site the collectionName is to be a member of. This or siteName is used with collectionName.

siteName	Name of the Site the collectionName is to be a member of. This or siteId is used with collectionName.
* description	User description. Default="" Max Length=250
* deviceMac	Ethernet address as a string in the form XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17
* bootFrom	Device to boot from. Choices are 1 for Vdisk, 2 for Hard Disk, and 3 for Floppy. Min=1, Max=3, Default=1
* className	Used by Automatic Update feature to match new versions of Disks to a Device. Default="" Max Length=41
* port	UDP port to use with Stream Service. Min=1025, Max=65536, Default=6901
Enabled	1 when it can be booted, 0 otherwise. Default=1
localDiskEnabled	If there is a local disk menu choice for the Device, this is 1. Default=0
role	Read-only Role of the user for this item. Expected values are 100, 200, 300 or 400.
Authentication	Device log in authentication. Choices are 0 for none, 1 for User Name/Password, and 2 for Extern. Min=0, Max=2, Default=0
user	Name of user to authenticate before the boot process continues. Default="" ASCII Max Length=20
password	Password of user to authenticate before the boot process continues. Default="" ASCII Max Length=100
active	1 if the Device is currently active, 0 otherwise.
template	1 if the Device is the template in its Collection, 0 otherwise.
adTimestamp	The time the Active Directory machine account password as generated. Default=0
adSignature	The signature of the Active Directory machine account password. Default=0

Device All Example

Example Command

mcli-Get Device

Example Description

Gets all Devices in the System that you have access to.

Example Output

Executing: Get Device

Get succeeded. 1 record(s) returned.

Record #1

deviceId: 23ced191-7d41-495d-b7a9-b9dcac62c133

deviceName: device1

```
collectionId: f4c0a0dc-f251-4858-b951-9805ca02d4a8
collectionName: Collection2
siteId: 3dc7828b-f469-4f06-93e1-7ac2b08292b9
siteName: Site
description: description
deviceMac: 00-50-56-C0-00-00
bootFrom: 1
className:
port: 6901
enabled: 1
localDiskEnabled: 0
role: 100
authentication: 0
user:
password:
active: 0
template: 1
adTimestamp: 0
adSignature: 0
```

Device Example

Example Command

```
mcli-Get Device -p collectionName=Collection, siteName=Site -f deviceName,
description -s deviceName-
```

Example Description

Gets a list of Devices in the Collection of Site. The only fields that will be returned are deviceName and description and the sort order will be deviceName descending. It is descending because of the - appended to the -s deviceName.

Example Output

```
Executing: Get Device
Get succeeded. 7 record(s) returned.
Record #1
  deviceName: test
  description: test

Record #2
  deviceName: device6
  description: test

Record #3
  deviceName: device5
  description:

Record #4
  deviceName: device4
  description: test

Record #5
  deviceName: device3
  description: description with ", and
```

```
Record #6
  deviceName: device2
  description: description
```

```
Record #7
  deviceName: device1
  description: test
```

Mcli-Help

Short Description

Get help about command types. Help can be retrieved about types of commands, Add, Delete, Get, Info, Run, RunWithReturn, Set or SiteList.

Detailed Description

Get help. The format is:

```
Mcli-Help[ Action[ type]]
```

[Action] is optional. It can be Add, Delete, Get, Info, Run, RunWithReturn, Set or SiteList. It can also be an object type and valid choices are Many, AuthGroup, Collection, Device, Disk, DiskLocator, Farm, FarmView, Server, Site, SiteView, Store, System or UserGroup.

[type] specifies the command to get help about.

Input Type

```
Mcli-Help[ Action[ type]]
```

Input Type Description

[Action] is optional. It can be Add, Delete, Get, Info, Run, RunWithReturn, Set or SiteList. It can also be an object type and valid choices are Many, AuthGroup, Collection, Device, Disk, DiskLocator, Farm, FarmView, Server, Site, SiteView, Store, System or UserGroup.

Return Type

Returns all of the help available about the request.

Return Type Description

Before executing a command, `$error.Clear()` should be called. After executing a command, it was successful if `$error.Count` equals 0. If `$error.Count > 0` then `$error[0].FullyQualifiedErrorId.Split(',')[0].Trim()` will be equal to one of the return codes.

To get help on return codes, specify only Codes.

For example: `Mcli-Help Codes`

Parameters

Action

Optional action to get help on. Valid choices are Add, Delete, Get, Info, Run, RunWithReturn, Set or SiteList. It can also be an object type and valid choices are Many, AuthGroup, Collection, Device, Disk, DiskLocator, Farm, FarmView, Server, Site, SiteView, Store, System or UserGroup.

Type

Optional command to get help on.

Help Example

Example Command

```
Mcli-Help
```

Example Description

Displays help on the actions.

Example Output

Executes a Provisioning Server Action Command.

Actions that can be performed are:

```
Mcli-Add <type>[ -p name=value[, name2=value2]] <-r name=value[, name2=value2]>
Mcli-Delete <type> <-p name=value>
Mcli-Get <type>[ -p name=value[, name2=value2]][ -f field1[, field2]][ -s sortfield-]
Mcli-Info <type>[ -p name=value[, name2=value2]]
Mcli-Run <type>[ -p name=value[, name2=value2]]
Mcli-RunWithReturn <type>[ -p name=value[, name2=value2]]
Mcli-Set <type> <-p name=value> <-r name=value[, name2=value2]>
Mcli-SetList <type> <-p name=value> <-r reclname=value[, reclname2=value2]>[, rec2name=value[, rec2name2=value2]]
```

To get help on a specific Action, specify only the Action name. Valid actions are Add, Delete, Get, Info, Run, RunWithReturn, Set and SetList.

For example: Mcli-Help Run

To get help on a specific Object Type, specify only the Object Type.

For example: Mcli-Help Device

To get help on a specific Action and type, specify the action and type.

For example: Mcli-Help Run Reboot

Object Types are:

```
Many
AuthGroup
Collection
```

Device
Disk
DiskLocator
Farm
FarmView
Server
Site
SiteView
Store
System
UserGroup

Before executing a command, `$error.Clear()` should be called. After executing a command, it was successful if `$error.Count` equals 0. If `$error.Count > 0` then `$error[0].FullyQualifiedErrorId.Split(',')[0].Trim()` will be equal to one of the return codes.
To get help on return codes, specify only Codes.
For example: `Mcli-Help Codes`

Mcli-Info

Short Description

Get information about Group or Version.

Detailed Description

Get information about objects. The format is:

```
Mcli-Info <type>[ -p name=value[, name2=value2]][ -f field1[, field2]]
```

<type> specifies the type of object being get information about. To get help on what parameters are needed for a specific type, enter `Mcli-Help Info <type>`, for example:

```
Mcli-Help Info Version
```

-p has a list of name=value pair parameters as needed to get the object.

-f is a list of fields to be returned, if none are specified then all are returned.

If successful, the records found are listed.

Input Type

```
Mcli-Info <type>[ -p name=value[, name2=value2]][ -f field1[, field2]]
```

Input Type Description

<type> can be any of these:

Group: Gets the fields for the Groups for the user or the System.

Version: Returns one record with the version information.

Return Type

Returns the records found.

Return Type Description

Before executing a command, `$error.Clear()` should be called. After executing a command, it was successful if `$error.Count` equals 0. If `$error.Count > 0` then

\$error[0].FullyQualifiedErrorId.Split(',')[0].Trim() will be equal to one of the return codes.

To get help on return codes, specify only Codes.

For example: Mcli-Help Codes

Parameters

Type

Type of object to get. Valid values are Group or Version.

p

List of name=value pairs needed to define what to process. They are comma delimited.

f

List of fields to be returned, if none are specified then all are returned. They are comma delimited.

Help Example

Example Command

```
Mcli-Help Info Version
```

Example Description

Displays help on the parameters needed for the Type of information. The Version above can be any of these values: Group or Version.

Example Output

Returns one record with the version information.

```
Mcli-Info Version[ -f field1[, field2]]
```

-f = fields to be returned, if none are specified then all are returned.

mapiversion	Version of the system in major.minor.build format.
dbversion	Version of the database schema as a number.
Type	Type of system. Values are 0 (Normal), 1 (OROM), and 2 (Secure).

Version Example

Example Command

```
mcli-Info Version
```

Example Description

Gets a record with the version information.

Example Output

```
Executing: Info Version
Info succeeded. 1 record(s) returned.
Record #1
  mapiVersion: 5.0.0.8150
  dbVersion: 1
  type: 0
  soapVersion: 5.0.0.8150
```

Mcli-Run

Short Description

Run a process that does not have a return value. Processes are AddDeviceToDomain, ApplyAutoUpdate, ApplyIncrementalUpdate, AssignAuthGroup, AssignDevice, AssignDiskLocator, Boot, CopyPasteDevice, CopyPasteDisk, CopyPasteServer, CreateDirectory, CreateDiskCancel, DisableCollection, DisableDevice, DisableDeviceDiskLocator, DisableDiskLocator, DisableUserGroup, DisableUserGroupDiskLocator, DisplayMessage, EnableCollection, EnableDevice, EnableDeviceDiskLocator, EnableDiskLocator, EnableUserGroup, EnableUserGroupDiskLocator, ExportOemLicenses, ImportDatabase, ImportDevices, ImportOemLicenses, MarkDown, Reboot, RemoveAuthGroup, RemoveDevice, RemoveDeviceFromDomain, RemoveDirectory, RemoveDiskLocator, ResetDatabaseConnection, ResetDeviceForDomain, RestartStreamService, SetupConnection, ShutdownartStreamService, StopStreamService, UnloadConnection, UnlockAllDisk, UnlockDisk or UnmapDisk.

Detailed Description

Run a process that does not have a return value. The format is:

```
Mcli-Run <type>[ -p name=value[, name2=value2]]
```

<type> specifies the type of process to run. To get help on what parameters are needed for a specific type, enter Mcli-Help Run <type>, for example: Mcli-Help Run Reboot -p has a list of name=value pair parameters as needed to run the process.

Input Type

```
Mcli-Run <type>[ -p name=value[, name2=value2]]
```

Input Type Description

<type> can be any of these:

AddDeviceToDomain: Assign a Device, all Devices in a Collection or View to a Domain.

ApplyAutoUpdate: Apply Auto Update for a Server or all Servers in a Site.

ApplyIncrementalUpdate: Apply Incremental Update for a Server or all Servers in a Site.

AssignAuthGroup: Assign an AuthGroup to have Farm, Site or Collection

Authorization. If no Site or Collection is specified, the AuthGroup is given Farm Authorization.

AssignDevice: Assign a Device to a Collection or View.

AssignDiskLocator: Assign a Disk Locator to a Device, a Collection or View.

Boot: Boot a Device, Collection or View.

CopyPasteDevice: Copy properties of one Device to a Device, all the Devices in a Collection, Site View or Farm View.

CopyPasteDisk: Copy properties of one Disk to a Disk.

CopyPasteServer: Copy properties of one Server to a Server.

CreateDirectory: Create a Directory on the Server specified.

CreateDiskCancel: Cancel an active CreateDisk.

DisableCollection: Disable a Collection so Devices that exist in it are Disabled, even if a Device itself is set to be Enabled.

DisableDevice: Disable one or more Devices.

DisableDeviceDiskLocator: Disable a Device's DiskLocator.

DisableUserGroup: Disable a UserGroup.

DisableUserGroupDiskLocator: Disable a UserGroup's DiskLocator.

DisableDiskLocator: Disable a DiskLocator so all Devices that have it assigned will not make it available, even if a Device DiskLocator itself is set to be Enabled.

DisplayMessage: Display a message on a Device, a Site, Collection or View.

EnableCollection: Enable a Collection so Devices that exist in it are Enabled, if the Device itself is not set to be Disabled.

EnableDevice: Enable one or more Devices. If the Device's Collection is Disabled, that overrides the Device setting.

EnableDeviceDiskLocator: Enable a Device's DiskLocator. If the DiskLocator is Disabled, that overrides the Device DiskLocator setting.

EnableDiskLocator: Enable a DiskLocator so Devices that have it assigned will make it available, if the Device DiskLocator itself is not set to be Disabled.

EnableUserGroup: Enable a UserGroup.

EnableUserGroupDiskLocator: Enable a UserGroup's DiskLocator. If the DiskLocator is Disabled, that overrides the UserGroup DiskLocator setting.

ImportDatabase: Import Devices from the version 4.x mdb database fileName specified.

ImportDevices: Import Devices from the contents of the comma or tab delimited fileName specified. Each record needs to have Device Name, Mac Address, Site Name, Collection Name and optional Description.

MarkDown: Mark Down a Device, Collection, View, Server or Site.

Reboot: Reboot a Device, Collection or View.

RemoveAuthGroup: Remove Farm, Site or Collection Authorization for an AuthGroup. If no Site or Collection is specified, Farm Authorization is removed for the AuthGroup.

RemoveDevice: Remove a Device from a View.

RemoveDeviceFromDomain: Remove a Device, all Devices in a Collection or View from a Domain.

RemoveDirectory: Remove a Directory on the Server specified.

RemoveDiskLocator: Remove a Disk Locator from a Device, Collection, View, or Site.

ResetDatabaseConnection: Cause the database location to be reloaded.

ResetDeviceForDomain: Reset a Device, all Devices in a Collection or View for a Domain.

RestartStreamService: Restart the Stream Service on a Server or all Servers in a Site.

SetupConnection: Setup the SOAP server connection that will be used for the MCLI and PowerShell command line interfaces.

Shutdown: Shutdown a Device, Collection or View.
StartStreamService: Start the Stream Service on a Server or all Servers in a Site.
StopStreamService: Stop the Stream Service on a Server or all Servers in a Site.
UnloadConnection: Unload the SOAP server connection so that it can be reconnected when needed for the PowerShell command line interfaces.
UnlockAllDisk: Remove all locks for a Disk.
UnlockDisk: Remove lock for the Disk.
UnmapDisk: No longer Map the Disk.

Return Type

None

Return Type Description

Before executing a command, `$error.Clear()` should be called. After executing a command, it was successful if `$error.Count` equals 0. If `$error.Count > 0` then `$error[0].FullyQualifiedErrorId.Split(',')[0].Trim()` will be equal to one of the return codes.

To get help on return codes, specify only Codes.

For example: `Mcli-Help Codes`

Parameters

Type

Type of process to run. Valid values are `AddDeviceToDomain`, `ApplyAutoUpdate`, `ApplyIncrementalUpdate`, `AssignAuthGroup`, `AssignDevice`, `AssignDiskLocator`, `Boot`, `CopyPasteDevice`, `CopyPasteDisk`, `CopyPasteServer`, `CreateDirectory`, `CreateDiskCancel`, `DisableCollection`, `DisableDevice`, `DisableDeviceDiskLocator`, `DisableDiskLocator`, `DisableUserGroup`, `DisableUserGroupDiskLocator`, `DisplayMessage`, `EnableCollection`, `EnableDevice`, `EnableDeviceDiskLocator`, `EnableDiskLocator`, `EnableUserGroup`, `EnableUserGroupDiskLocator`, `ExportOemLicenses`, `ImportDatabase`, `ImportDevices`, `ImportOemLicenses`, `MarkDown`, `Reboot`, `RemoveAuthGroup`, `RemoveDevice`, `RemoveDeviceFromDomain`, `RemoveDirectory`, `RemoveDiskLocator`, `ResetDatabaseConnection`, `ResetDeviceForDomain`, `RestartStreamService`, `SetupConnection`, `ShutdownStreamService`, `StopStreamService`, `UnloadConnection`, `UnlockAllDisk`, `UnlockDisk` or `UnmapDisk`.

p

List of name=value pairs needed to define what to process. They are comma delimited.

Help Example

Example Command

`Mcli-Help Run Reboot`

Example Description

Displays help on the parameters needed for the Type of get. The Device above can be any of these values: AddDeviceToDomain, ApplyAutoUpdate, ApplyIncrementalUpdate, AssignAuthGroup, AssignDevice, AssignDiskLocator, Boot, CopyPasteDevice, CopyPasteDisk, CopyPasteServer, CreateDirectory, CreateDiskCancel, DisableCollection, DisableDevice, DisableDeviceDiskLocator, DisableDiskLocator, DisableUserGroup, DisableUserGroupDiskLocator, DisplayMessage, EnableCollection, EnableDevice, EnableDeviceDiskLocator, EnableDiskLocator, EnableUserGroup, EnableUserGroupDiskLocator, ExportOemLicenses, ImportDatabase, ImportDevices, ImportOemLicenses, Markdown, Reboot, RemoveAuthGroup, RemoveDevice, RemoveDeviceFromDomain, RemoveDirectory, RemoveDiskLocator, ResetDatabaseConnection, ResetDeviceForDomain, RestartStreamService, SetupConnection, ShutdownartStreamService, StopStreamService, UnloadConnection, UnlockAllDisk, UnlockDisk or UnmapDisk.

Example Output

Reboot a Device, Collection or View.

```
Mcli-Run Reboot[ -p name=value[, name2=value2]]
```

-p = parameters to specify the criteria are listed below:

One of these required

deviceId	GUID of the Device to Reboot.
deviceName	Name of the Device to Reboot.
deviceMac	MAC of the Device to Reboot.
collectionId	GUID of the Collection to Reboot all Devices.
siteViewId	GUID of the Site View to Reboot all Devices.
farmViewId	GUID of the Farm View to Reboot all Devices.
farmViewName	Name of the Farm View to Reboot all Devices.

or one of these required & resolution

collectionName	Name of the Collection to Reboot all Devices.
siteViewName	Name of the Site View to Reboot all Devices.

Optional

Message	Message to display before rebooting the Device(s). Default=The target device is being shutdown remotely by the Console.
Delay	Number of seconds to delay before rebooting the Device(s). Default=10

One of these resolution when needed

siteId	GUID of the Site.
siteName	Name of the Site.

Reboot Example

Example Command

```
mcli-Run Reboot -p collectionName=Collection, siteName=Site
```

Example Description

Reboots all of the devices in the Collection of the Site.

Example Output

```
Executing: Run Reboot  
Run succeeded.
```

Mcli-RunWithReturn

Short Description

Run a process that has a string return value. Processes are CommandActions, CreateDisk, CreateDiskStatus, DeviceCount, DiskLocatorCount, Enabled, Exists, ListDirectories, MapDisk, MappedDiskId, MappedDriveLetter, RebalanceDevices, ScanForDisks, ServerCount, ServerName or UserGroupCount.

Detailed Description

Run a process that has a string return value. The format is:

```
Mcli-RunWithReturn <type>[ -p name=value[, name2=value2]]
```

<type> specifies the type of process to run. To get help on what parameters are needed for a specific type, enter Mcli-Help RunWithReturn <type>, for example: Mcli-Help RunWithReturn DeviceCount

-p has a list of name=value pair parameters as needed to run the process.

Input Type

```
Mcli-RunWithReturn <type>[ -p name=value[, name2=value2]]
```

Input Type Description

<type> can be any of these:

CommandActions: Get a comma delimited list of Command Actions.

CreateDisk: Create a Disk and the Disk Locator for it. Return the GUID of the DiskLocator created. If "" is returned as the GUID, then call CreateDiskStatus to get the final GUID when processing finishes.

CreateDiskStatus: Get the Percent Finished for an active CreateDisk. When finished, the GUID of the DiskLocator created is returned.

DeviceCount: Get count of Devices in a Collection or View.

DiskLocatorCount: Get count of Disk Locators for a Site and Type.

Enabled: Returns 1 if a Collection, Device, DiskLocator, or Device/DiskLocator is enabled. If a collectionName or diskLocatorName is specified, siteName or siteId must be included. If both the Device and DiskLocator are specified, the Enabled setting for the combination is returned.

Exists: Returns 1 if a Site, Server, Collection, View, Device or Store Name is already used. If a collectionName or siteViewName is specified, siteName or siteId must be included.

ListDirectories: Look for Directories or Drives on the Server specified. Return a comma delimited list of the Directories or Drives found.

MapDisk: Map a disk. If successful, the driveLetter is returned.

MappedDiskId: If there is currently a Mapped Disk, return the ID of the DiskLocator.
MappedDriveLetter: If there is currently a mapped disk, return the diskLocatorId of the mapped disk.

RebalanceDevices: Rebalance Devices for a Server. When successful, returns the number of Devices affected.

ScanForDisks: Look for new Disks for the Store on the Server specified. Return a comma delimited list of the new Disks found.

ServerCount: Get count of Servers in a Site.

ServerName: Return the name of the Server the SoapServer is running on.

UserGroupCount: Get count of UserGroups in a Site.

Return Type

If successful a string is returned.

Return Type Description

Before executing a command, `$error.Clear()` should be called. After executing a command, it was successful if `$error.Count` equals 0. If `$error.Count > 0` then `$error[0].FullyQualifiedErrorId.Split(',')[0].Trim()` will be equal to one of the return codes.

To get help on return codes, specify only Codes.

For example: `Mcli-Help Codes`

Parameters

Type

Type of process to run. Valid values are `CommandActions`, `CreateDisk`, `CreateDiskStatus`, `DeviceCount`, `DiskLocatorCount`, `Enabled`, `Exists`, `ListDirectories`, `MapDisk`, `MappedDiskId`, `MappedDriveLetter`, `RebalanceDevices`, `ScanForDisks`, `ServerCount`, `ServerName` or `UserGroupCount`.

r

List of name=value pairs needed to define what to process. They are comma delimited.

Help Example

Example Command

```
Mcli-Help RunWithReturn DeviceCount
```

Example Description

Displays help on the parameters needed for the Type of get. The Device above can be any of these values: `CommandActions`, `CreateDisk`, `CreateDiskStatus`, `DeviceCount`, `DiskLocatorCount`, `Enabled`, `Exists`, `ListDirectories`, `MapDisk`, `MappedDiskId`, `MappedDriveLetter`, `RebalanceDevices`, `ScanForDisks`, `ServerCount`, `ServerName` or `UserGroupCount`.

Example Output

Get count of Devices in a Collection or View.

```
Mcli-RunWithReturn DeviceCount[ -p name=value[, name2=value2]]
```

-p = parameters to specify the criteria are listed below:

One of these required

collectionId	GUID of the Collection to get the Device Count of.
siteViewId	GUID of the Site View to get the Device Count of.
farmViewId	GUID of the Farm View to get the Device Count of.
farmViewName	Name of the Farm View to get the Device Count of.

or one of these required & resolution

collectionName	Name of the Collection to get the Device Count of.
siteViewName	Name of the Site View to get the Device Count of.

One of these resolution when needed

siteId	GUID of the Site.
siteName	Name of the Site.

DeviceCount Example

Example Command

```
mcli-Run DeviceCount -p collectionName=Collection, siteName=Site
```

Example Description

Returns the count of Devices in the Collection of the Site.

Example Output

```
Executing: RunWithReturn DeviceCount  
RunWithReturn succeeded.  returnValue = 309
```

Mcli-Set

Short Description

Set values for one or more AuthGroup, Collection, Device, Disk, DiskLocator, Farm, FarmView, Server, ServerBiosBootstrap, ServerBootstrap, ServerStore, Site, SiteView, Store or UserGroup.

Detailed Description

Set values for one or more objects. The format is:

```
Mcli-Set <type>[ -p name=value[, name2=value2]] <-r name=value[, name2=value2]>
```

<type> specifies the type of object being set. To get help on what parameters are needed for a specific type, enter Mcli-Help Set <type>, for example: Mcli-Help Set Device

-p has a list of name=value pair parameters as needed to set the object.

-r has the definition of the record name=value pairs needed to be set.

Input Type

Mcli-Set <type>[-p name=value[, name2=value2]] <-r name=value[, name2=value2]>

Input Type Description

<type> can be any of these:

AuthGroup: Set one or more field values for an AuthGroup.

Collection: Set one or more field values for a Collection.

Device: Set one or more field values for one or more Devices.

Disk: Set one or more field values for a Disk.

DiskLocator: Set one or more field values for a Disk Locator.

Farm: Set one or more field values for a Farm.

FarmView: Set one or more field values for a Farm View.

Server: Set one or more field values for a Server. Restart the Stream Service after setting the fields.

ServerBootstrap: Sets the bootstrap fields for the Server and named bootstrap file specified.

ServerStore: Set the directory path and cache paths of a Server for a Store.

Site: Set one or more field values for a Site.

SiteView: Set one or more field values for a Site View.

Store: Set one or more field values for a Store.

UserGroup: Set one or more field values for a UserGroup.

Return Type

None

Return Type Description

Before executing a command, \$error.Clear() should be called. After executing a command, it was successful if \$error.Count equals 0. If \$error.Count > 0 then \$error[0].FullyQualifiedErrorId.Split(',')[0].Trim() will be equal to one of the return codes.

To get help on return codes, specify only Codes.

For example: Mcli-Help Codes

Parameters

Type

Type of object to set. Valid values are AuthGroup, Collection, Device, Disk, DiskLocator, Farm, FarmView, Server, ServerBiosBootstrap, ServerBootstrap, ServerStore, Site, SiteView, Store or UserGroup.

p

List of name=value pairs needed to define what to set. They are comma delimited.

r

List of name=value pairs needed to be set. They are comma delimited.

Help Example

Example Command

Mcli-Help Set Device

Example Description

Displays help on the parameters needed for the Type of set. The Device above can be any of these values: AuthGroup, Collection, Device, Disk, DiskLocator, Farm, FarmView, Server, ServerBiosBootstrap, ServerBootstrap, ServerStore, Site, SiteView, Store or UserGroup.

Example Output

Set one or more field values for one or more Devices.

```
Mcli-Set Device <-p name=value> <-r name=value[, name2=value2]>
```

-p = parameters to specify the criteria are listed below:

One of these required

deviceId	GUID of the Device to Set.
deviceName	Name of the Device to Set.
deviceMac	MAC of the Device to Set.
collectionId	GUID of the Collection to set all Devices. deviceName and deviceMac cannot be set.
siteViewId	GUID of the Site View to set all Devices. deviceName and deviceMac cannot be set.
farmViewId	GUID of the Farm View to set all Devices. deviceName and deviceMac cannot be set.
farmViewName	Name of the Farm View to set all Devices. deviceName and deviceMac cannot be set.

or one of these required & resolution

collectionName	Name of the Collection to set all Devices. deviceName and deviceMac cannot be set.
siteViewName	Name of the Site View to set all Devices. deviceName and deviceMac cannot be set.

One of these resolution when needed

siteId	GUID of the Site.
siteName	Name of the Site.

-r = record values to be set.

deviceName	Computer name with no spaces. ASCII Max Length=15
description	User description. Default="" Max Length=250
deviceMac	Ethernet address as a string in the form XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17
bootFrom	Device to boot from. Choices are 1 for Vdisk, 2 for Hard Disk, and 3 for Floppy. Min=1, Max=3, Default=1
className	Used by Automatic Update feature to match new versions of Disks to a Device. Default="" Max Length=41

port	UDP port to use with Stream Service. Min=1025, Max=65536, Default=6901
enabled	1 when it can be booted, 0 otherwise. Default=1
localDiskEnabled	If there is a local disk menu choice for the Device, this is 1. Default=0
authentication	Device log in authentication. Choices are 0 for none, 1 for User Name/Password, and 2 for Extern. Min=0, Max=2, Default=0
user	Name of user to authenticate before the boot process continues. Default="" ASCII Max Length=20
password	Password of user to authenticate before the boot process continues. Default="" ASCII Max Length=100
adTimestamp	The time the Active Directory machine account password as generated. Default=0
adSignature	The signature of the Active Directory machine account password. Default=0

Device Example

Example Command

```
mcli-Set Device -p collectionName=Collection, siteName=Site -r className="Collection Class"
```

Example Description

Sets the className to "Collection Class" in all of the Devices in the Collection of the Site.

Example Output

```
Executing: Set Device
Set succeeded.
```

Mcli-SetList

Short Description

Set a list of record values for a DeviceBoostraps, DeviceCustomProperty, DeviceDiskPrinters, DevicePersonality, DevicePortBlockerCategories, DevicePortBlockerOverrides, DiskLocatorCustomProperty, DiskLocatorPortBlockerCategories, DiskLocatorPortBlockerOverrides, ServerCustomProperty, UserGroupCustomProperty or UserGroupPersonality.

Detailed Description

Set a list of record values for an object. The format is:
Mcli-SetList <type>[-r record1field=value[, record1field2=value2][, record2field=value[, record2field2=value2]]]

<type> specifies the type of object being set. To get help on what parameters are needed for a specific type, enter `Mcli-Help SetList <type>`, for example: `Mcli-Help SetList ServerCustomProperty`

-p has a list of name=value pair parameters as needed to set the object.

-r has the definition of the records name=value pairs needed to be set. Each record must have the same fields.

Input Type

`Mcli-SetList <type>[-r record1field=value[, record1field2=value2][, record2field=value[, record2field2=value2]]]`

Input Type Description

<type> can be any of these:

DeviceBootstraps: Set the Bootstrap Files for a Device.

DeviceCustomProperty: Set the Device Custom Property names and values.

DeviceDiskPrinters: Set one or more Printer settings. Only the changed items need to be passed. To remove a Printer, set it as disabled.

DevicePersonality: Set the Device Personality names and values.

DevicePortBlockerCategories: Set one or more Port Blocker Categories. Only the changed items need to be passed.

DevicePortBlockerOverrides: Set one or more Port Blocker Overrides. Only the changed items need to be passed.

DiskLocatorCustomProperty: Set the DiskLocator Custom Property names and values.

DiskLocatorPortBlockerCategories: Set one or more Port Blocker Categories. Only the changed items need to be passed.

DiskLocatorPortBlockerOverrides: Set one or more Port Blocker Overrides. Only the changed items need to be passed.

ServerCustomProperty: Set the Server Custom Property names and values.

UserGroupCustomProperty: Set the UserGroup Custom Property names and values.

UserGroupPersonality: Set the UserGroup Personality names and values.

Return Type

None

Return Type Description

Before executing a command, `$error.Clear()` should be called. After executing a command, it was successful if `$error.Count` equals 0. If `$error.Count > 0` then `$error[0].FullyQualifiedErrorId.Split(',')[0].Trim()` will be equal to one of the return codes.

To get help on return codes, specify only Codes.

For example: `Mcli-Help Codes`

Parameters

Type

Type of object to set a list of values for. Valid values are DeviceBootstraps, DeviceCustomProperty, DeviceDiskPrinters, DevicePersonality, DevicePortBlockerCategories, DevicePortBlockerOverrides, DiskLocatorCustomProperty, DiskLocatorPortBlockerCategories, DiskLocatorPortBlockerOverrides, ServerCustomProperty, UserGroupCustomProperty or UserGroupPersonality.

p

List of name=value pairs needed to define what to set. They are comma delimited.

r

List of name=value pairs needed to be set. They are comma delimited. There is no delimiter between records, but the same fields must be set for each record.

Help Example

Example Command

```
Mcli-Help SetList ServerCustomProperty
```

Example Description

Displays help on the parameters needed for the Type of set. The ServerCustomProperty above can be any of these values: DeviceBootstraps, DeviceCustomProperty, DeviceDiskPrinters, DevicePersonality, DevicePortBlockerCategories, DevicePortBlockerOverrides, DiskLocatorCustomProperty, DiskLocatorPortBlockerCategories, DiskLocatorPortBlockerOverrides, ServerCustomProperty, UserGroupCustomProperty or UserGroupPersonality.

Example Output

Set the Server Custom Property names and values.

```
Mcli-SetList ServerCustomProperty <-p name=value> <-r rec1name=value[,  
rec1name2=value2]>[, rec2name=value[, rec2name2=value2]]
```

-p = parameters to specify the criteria are listed below:

One of these required

serverId	GUID of the Server.
serverName	Name of the Server.

-r = records with values to be set. The records should each have the same files.

Name	Name of the Server custom property. Max Length=250
Value	Value of the Server custom property. Max Length=1000

ServerCustomProperty Example

Example Command

```
mcli-SetList ServerCustomProperty -p serverName=Server -r name=property1,  
value=value1, name=property2, value=value2
```

Example Description

Sets the Server custom properties to property1=value1 and property2=value2.

Example Output

```
Executing: SetList ServerCustomProperty  
SetList succeeded.
```

Short Command List

Mcli-Add

```
Mcli-Add AuthGroup  
Mcli-Add Collection  
Mcli-Add Device  
Mcli-Add DiskLocator  
Mcli-Add DiskUpdateDevice  
Mcli-Add FarmView  
Mcli-Add Server  
Mcli-Add Site  
Mcli-Add SiteView  
Mcli-Add Store  
Mcli-Add UpdateTask  
Mcli-Add VirtualHostingPool
```

Mcli-Delete

```
Mcli-Delete AuthGroup  
Mcli-Delete Collection  
Mcli-Delete Device  
Mcli-Delete DeviceDiskCacheFile  
Mcli-Delete DiskLocator  
Mcli-Delete DiskUpdateDevice  
Mcli-Delete DiskVersion  
Mcli-Delete FarmView  
Mcli-Delete Server  
Mcli-Delete ServerStore  
Mcli-Delete Site  
Mcli-Delete SiteView  
Mcli-Delete Store  
Mcli-Delete UpdateTask  
Mcli-Delete VirtualHostingPool
```

Mcli-Get

```
Mcli-Get AdDomains  
Mcli-Get AuditActionParameters  
Mcli-Get AuditActionProperties  
Mcli-Get AuditActionSibling  
Mcli-Get AuditTrail
```

Mcli-Get AuthGroup
Mcli-Get AuthGroupUsage
Mcli-Get Collection
Mcli-Get CommandDescription
Mcli-Get CommandFields
Mcli-Get CommandParameters
Mcli-Get CommandSortFields
Mcli-Get CommandStandardParameters
Mcli-Get Device
Mcli-Get DeviceBootstraps
Mcli-Get DeviceCustomProperty
Mcli-Get DeviceDiskPrinters
Mcli-Get DeviceInfo
Mcli-Get DevicePersonality
Mcli-Get DeviceStatus
Mcli-Get Disk
Mcli-Get DiskInfo
Mcli-Get DiskInventory
Mcli-Get DiskLocator
Mcli-Get DiskLocatorCustomProperty
Mcli-Get DiskLocatorLock
Mcli-Get DiskPrinters
Mcli-Get DiskUpdateDevice
Mcli-Get DiskUpdateStatus
Mcli-Get DiskVersion
Mcli-Get ExceptionDescriptions
Mcli-Get Farm
Mcli-Get FarmView
Mcli-Get Groups
Mcli-Get NewVersionDisks
Mcli-Get Server
Mcli-Get ServerBiosBootstrap
Mcli-Get ServerBootstrap
Mcli-Get ServerBootstrapNames
Mcli-Get ServerCustomProperty
Mcli-Get ServerInfo
Mcli-Get ServerStatus
Mcli-Get ServerStore
Mcli-Get Site
Mcli-Get SiteView
Mcli-Get Store
Mcli-Get Task
Mcli-Get UndefinedDisks
Mcli-Get UpdateTask
Mcli-Get VirtualHostingPool

Mcli-Info

Mcli-Info Group
Mcli-Info LocalServer
Mcli-Info MapiErrorCode
Mcli-Info Version

Mcli-Run

Mcli-Run ActivateDevice
Mcli-Run AddDeviceToDomain
Mcli-Run AddDiskVersion

Mcli-Run ApplyAutoUpdate
Mcli-Run ArchiveAuditTrail
Mcli-Run AssignAuthGroup
Mcli-Run AssignDevice
Mcli-Run AssignDisk
Mcli-Run AssignDiskLocator
Mcli-Run AssignServer
Mcli-Run AuditAddDeviceToDomain
Mcli-Run AuditRemoveDeviceFromDomain
Mcli-Run AuditResetDeviceForDomain
Mcli-Run Boot
Mcli-Run CancelTask
Mcli-Run ClearTask
Mcli-Run CopyPasteDevice
Mcli-Run CopyPasteDisk
Mcli-Run CopyPasteServer
Mcli-Run CreateDirectory
Mcli-Run CreateDiskCancel
Mcli-Run DisableCollection
Mcli-Run DisableDevice
Mcli-Run DisableDeviceDiskLocator
Mcli-Run DisableDiskLocator
Mcli-Run DiskUpdateCancel
Mcli-Run DiskUpdateStart
Mcli-Run DisplayMessage
Mcli-Run EnableCollection
Mcli-Run EnableDevice
Mcli-Run EnableDeviceDiskLocator
Mcli-Run EnableDiskLocator
Mcli-Run ExportDisk
Mcli-Run ExportOemLicenses
Mcli-Run ForceInventory
Mcli-Run ImportDatabase
Mcli-Run ImportDevices
Mcli-Run ImportOemLicenses
Mcli-Run MarkDown
Mcli-Run MergeDisk
Mcli-Run PromoteDiskVersion
Mcli-Run Reboot
Mcli-Run RemoveAuthGroup
Mcli-Run RemoveDevice
Mcli-Run RemoveDeviceFromDomain
Mcli-Run RemoveDirectory
Mcli-Run RemoveDisk
Mcli-Run RemoveDiskLocator
Mcli-Run ResetDatabaseConnection
Mcli-Run ResetDeviceForDomain
Mcli-Run RestartStreamService
Mcli-Run RevertDiskVersion
Mcli-Run SetOverrideVersion
Mcli-Run SetupConnection
Mcli-Run Shutdown
Mcli-Run StartStreamService
Mcli-Run StopStreamService
Mcli-Run UnloadConnection
Mcli-Run UnlockAllDisk
Mcli-Run UnlockDisk

Mcli-Run UnmapDisk
Mcli-Run ValidateDirectory

Mcli-RunWithReturn

Mcli-RunWithReturn CommandActions
Mcli-RunWithReturn CreateDisk
Mcli-RunWithReturn CreateDiskStatus
Mcli-RunWithReturn CreateMaintenanceVersion
Mcli-RunWithReturn DeviceCount
Mcli-RunWithReturn DiskLocatorCount
Mcli-RunWithReturn Enabled
Mcli-RunWithReturn Exists
Mcli-RunWithReturn ImportDisk
Mcli-RunWithReturn ListDirectories
Mcli-RunWithReturn MaintenanceVersionExists
Mcli-RunWithReturn MapDisk
Mcli-RunWithReturn MappedDiskId
Mcli-RunWithReturn MappedDriveLetter
Mcli-RunWithReturn MinimumLastAutoAddDeviceNumber
Mcli-RunWithReturn RebalanceDevices
Mcli-RunWithReturn ServerCount
Mcli-RunWithReturn ServerName
Mcli-RunWithReturn ServerStoreActiveDeviceCount
Mcli-RunWithReturn StoreFreeSpace
Mcli-RunWithReturn TaskStatus

Mcli-Set

Mcli-Set AuthGroup
Mcli-Set Collection
Mcli-Set Device
Mcli-Set Disk
Mcli-Set DiskLocator
Mcli-Set DiskUpdateDevice
Mcli-Set DiskVersion
Mcli-Set Farm
Mcli-Set FarmView
Mcli-Set Server
Mcli-Set ServerBiosBootstrap
Mcli-Set ServerBootstrap
Mcli-Set ServerStore
Mcli-Set Site
Mcli-Set SiteView
Mcli-Set Store
Mcli-Set UpdateTask
Mcli-Set VirtualHostingPool

Mcli-SetList

Mcli-SetList DeviceBootstraps
Mcli-SetList DeviceCustomProperty
Mcli-SetList DeviceDiskPrinters
Mcli-SetList DevicePersonality
Mcli-SetList DiskLocatorCustomProperty
Mcli-SetList ServerCustomProperty

Commands by Object Type

Many

Mcli-Get AuditActionParameters
Mcli-Get AuditActionProperties
Mcli-Get AuditActionSibling
Mcli-Get AuditTrail
Mcli-Get CommandDescription
Mcli-Get CommandFields
Mcli-Get CommandParameters
Mcli-Get CommandSortFields
Mcli-Get CommandStandardParameters
Mcli-Get ExceptionDescriptions
Mcli-Run ResetDatabaseConnection
Mcli-Run SetupConnection
Mcli-Run UnloadConnection
Mcli-RunWithReturn CommandActions
Mcli-RunWithReturn Enabled
Mcli-RunWithReturn Exists

AuthGroup

Mcli-Add AuthGroup
Mcli-Delete AuthGroup
Mcli-Get AuthGroup
Mcli-Get AuthGroupUsage
Mcli-Run AssignAuthGroup
Mcli-Run RemoveAuthGroup
Mcli-Set AuthGroup

Collection

Mcli-Add Collection
Mcli-Delete Collection
Mcli-Get Collection
Mcli-Run DisableCollection
Mcli-Run DiskUpdateCancel
Mcli-Run DiskUpdateStart
Mcli-Run EnableCollection
Mcli-RunWithReturn MinimumLastAutoAddDeviceNumber
Mcli-Set Collection

Device

Mcli-Add Device
Mcli-Delete Device
Mcli-Delete DeviceDiskCacheFile
Mcli-Get Device
Mcli-Get DeviceBootstraps
Mcli-Get DeviceCustomProperty
Mcli-Get DeviceDiskPrinters
Mcli-Get DeviceInfo
Mcli-Get DevicePersonality
Mcli-Get DeviceStatus
Mcli-Run ActivateDevice
Mcli-Run AddDeviceToDomain
Mcli-Run AssignDevice

Mcli-Run AuditAddDeviceToDomain
Mcli-Run AuditRemoveDeviceFromDomain
Mcli-Run AuditResetDeviceForDomain
Mcli-Run Boot
Mcli-Run CopyPasteDevice
Mcli-Run DisableDevice
Mcli-Run DisableDeviceDiskLocator
Mcli-Run DisplayMessage
Mcli-Run EnableDevice
Mcli-Run EnableDeviceDiskLocator
Mcli-Run ExportOemLicenses
Mcli-Run ImportDatabase
Mcli-Run ImportDevices
Mcli-Run ImportOemLicenses
Mcli-Run MarkDown
Mcli-Run Reboot
Mcli-Run RemoveDevice
Mcli-Run RemoveDeviceFromDomain
Mcli-Run ResetDeviceForDomain
Mcli-Run Shutdown
Mcli-RunWithReturn DeviceCount
Mcli-Set Device
Mcli-SetList DeviceBootstraps
Mcli-SetList DeviceCustomProperty
Mcli-SetList DeviceDiskPrinters
Mcli-SetList DevicePersonality

Disk

Mcli-Add DiskUpdateDevice
Mcli-Add VirtualHostingPool
Mcli-Delete DiskUpdateDevice
Mcli-Delete DiskVersion
Mcli-Delete VirtualHostingPool
Mcli-Get Disk
Mcli-Get DiskInfo
Mcli-Get DiskInventory
Mcli-Get DiskPrinters
Mcli-Get DiskUpdateDevice
Mcli-Get DiskUpdateStatus
Mcli-Get DiskVersion
Mcli-Get NewVersionDisks
Mcli-Get UndefinedDisks
Mcli-Get VirtualHostingPool
Mcli-Run AddDiskVersion
Mcli-Run AssignDisk
Mcli-Run CopyPasteDisk
Mcli-Run CreateDiskCancel
Mcli-Run ExportDisk
Mcli-Run ForceInventory
Mcli-Run MergeDisk
Mcli-Run PromoteDiskVersion
Mcli-Run RemoveDisk
Mcli-Run RevertDiskVersion
Mcli-Run SetOverrideVersion
Mcli-Run UnlockAllDisk
Mcli-Run UnlockDisk

Mcli-Run UnmapDisk
Mcli-RunWithReturn CreateDisk
Mcli-RunWithReturn CreateDiskStatus
Mcli-RunWithReturn CreateMaintenanceVersion
Mcli-RunWithReturn ImportDisk
Mcli-RunWithReturn MaintenanceVersionExists
Mcli-RunWithReturn MapDisk
Mcli-RunWithReturn MappedDiskId
Mcli-RunWithReturn MappedDriveLetter
Mcli-Set Disk
Mcli-Set DiskUpdateDevice
Mcli-Set DiskVersion
Mcli-Set VirtualHostingPool

DiskLocator

Mcli-Add DiskLocator
Mcli-Delete DiskLocator
Mcli-Get DiskLocator
Mcli-Get DiskLocatorCustomProperty
Mcli-Get DiskLocatorLock
Mcli-Run AssignDiskLocator
Mcli-Run DisableDiskLocator
Mcli-Run EnableDiskLocator
Mcli-Run RemoveDiskLocator
Mcli-RunWithReturn DiskLocatorCount
Mcli-Set DiskLocator
Mcli-SetList DiskLocatorCustomProperty

Farm

Mcli-Get Farm
Mcli-Run ArchiveAuditTrail
Mcli-Set Farm

FarmView

Mcli-Add FarmView
Mcli-Delete FarmView
Mcli-Get FarmView
Mcli-Set FarmView

Server

Mcli-Add Server
Mcli-Delete Server
Mcli-Delete ServerStore
Mcli-Get Server
Mcli-Get ServerBiosBootstrap
Mcli-Get ServerBootstrap
Mcli-Get ServerBootstrapNames
Mcli-Get ServerCustomProperty
Mcli-Get ServerInfo
Mcli-Get ServerStatus
Mcli-Get ServerStore
Mcli-Run ApplyAutoUpdate
Mcli-Run AssignServer
Mcli-Run CopyPasteServer
Mcli-Run CreateDirectory

Mcli-Run RemoveDirectory
Mcli-Run RestartStreamService
Mcli-Run StartStreamService
Mcli-Run StopStreamService
Mcli-Run ValidateDirectory
Mcli-RunWithReturn ListDirectories
Mcli-RunWithReturn RebalanceDevices
Mcli-RunWithReturn ServerCount
Mcli-RunWithReturn ServerName
Mcli-RunWithReturn ServerStoreActiveDeviceCount
Mcli-Set Server
Mcli-Set ServerBiosBootstrap
Mcli-Set ServerBootstrap
Mcli-Set ServerStore
Mcli-SetList ServerCustomProperty

Site

Mcli-Add Site
Mcli-Delete Site
Mcli-Get Site
Mcli-Set Site

SiteView

Mcli-Add SiteView
Mcli-Delete SiteView
Mcli-Get SiteView
Mcli-Set SiteView

Store

Mcli-Add Store
Mcli-Delete Store
Mcli-Get Store
Mcli-RunWithReturn StoreFreeSpace
Mcli-Set Store

System

Mcli-Get AdDomains
Mcli-Get Groups
Mcli-Info Group
Mcli-Info LocalServer
Mcli-Info MapiErrorCode
Mcli-Info Version

Task

Mcli-Get Task
Mcli-Run CancelTask
Mcli-Run ClearTask
Mcli-RunWithReturn TaskStatus

UpdateTask

Mcli-Add UpdateTask
Mcli-Delete UpdateTask
Mcli-Get UpdateTask
Mcli-Set UpdateTask

Error codes

- 0 Success: The command succeeded.
- 1 NotImplemented: The [v1] feature has not been implemented.
- 2 InvalidCommand: The [v1] command does not exist.
- 3 InvalidField: The [v1] field does not exist.
- 4 InvalidFieldFormat: The [v1] field is not formatted properly, the correct format is [v2].
- 5 InvalidParameter: The [v1] parameter is not valid.
- 6 InvalidParameterFormat: The [v1] parameter is not formatted property, the correct format is [v2].
- 7 ReadOnlyField: The [v1] field is read-only and cannot be changed.
- 8 RequiredFieldMissing: The [v1] field is required but missing.
- 9 RequiredFieldsMissing: Either the [v1] or [v2] field is required but missing.
- 10 RequiredParameterMissing: The [v1] parameter is required but missing.
- 11 RequiredParametersMissing: Either the [v1] or [v2] parameter is required but missing.
- 12 InternalIdAndNameFieldsMustBeDefined: INTERNAL ERROR: The [v1] field is not the next FieldSettings object after the ID.
- 13 NoFarmAccess: The domain/user does not have access to the farm.
- 14 InvalidForeignKeyValue: The [v1] field with value [v2] is an invalid foreign key.
- 15 SetupError: The system setup is not correct.
- 16 Executing: The [v1] command can only be called one at a time.
- 17 NoDiskMapped: There is no vDisk mapped.
- 18 DatabaseError: A database error occurred.
- 19 DuplicateKey: An Add or Set command would have resulted in a duplicate key.
- 20 DatabaseErrorMissed: Internal error, an uncaught database error occurred.
- 21 AddCommandFailed: No objects were added during the last 'Add' command.
- 22 InsufficientPrivileges: Access denied. You do not have enough privileges to perform the operation
- 23 ZeroObjectsAffected: No object was added/updated/deleted in the last operation.
- 24 OtherException: An unexpected MAPI error occurred.
- 25 InvalidFieldLength: The [v1] field value is too long, maximum length is [v2].
- 26 InvalidFieldValueMinMax: The [v1] field value is invalid, the minumum is [v2] and the maximum is [v3].
- 27 InvalidFieldValue: The [v1] field can only have values [v2] or [v3].
- 28 TooManyParameters: The caller specified more parameters than are allowed.
- 29 TooFewParameters: Too few identifying parameters were specified.
- 30 FollowingParametersMissing: If the [v1] parameter is used, [v2] or [v3] must also be used.
- 31 InconsistentData: Transaction cancelled due to inconsistent results from the database.
- 32 DatabaseOpenFailed: The database failed to open. The system setup is probably incorrect.
- 33 DatabaseVersionWrong: Wrong database version. Found version number: [v1]. Expected version number: [v2].

34 DatabaseVersionNotFound: Bad database version. No version number found.

35 SomeRequiredParametersMissing: Some required parameters are missing.

36 PartialError: The following items failed:
 item1 Error message...
 item2 Error message...

37 NoItemsToProcess: No items to process.

38 NoDefaultCollectionDefined: A default collection is not set, no devices can be added.

39 NoDefaultSiteDefined: A default site is not set, no devices can be added.

40 InvalidCollection: The specified collection does not exist.

41 InvalidAuthGroup: The specified AuthGroup does not exist.

42 InvalidGroup: The specified Group does not exist.

43 InvalidDevice: The specified device does not exist.

44 InvalidDiskLocator: The specified vDisk does not exist.

45 InvalidServer: The specified server does not exist.

46 InvalidServerSite: Server specified is not in the Site specified.

47 InvalidStoreSite: Store specified is not for the Site specified.

48 InvalidSiteView: The specified site view does not exist.

49 InvalidSite: The specified site does not exist.

50 InvalidDeviceDiskLocator: The specified device or vDisk does not exist.

51 InvalidDeviceImport: The file must have Device Name, Mac Address, Site Name, and Collection Name that are tab or comma-delimited.

52 InvalidServerFrom: The server to copy [v1]=[v2] was not found.

53 InvalidServerTo: No server to copy to ([v1]=[v2]) was found.

54 InvalidDeviceFrom: The device to copy [v1]=[v2] was not found.

55 InvalidDeviceTo: No device to copy to was found.

56 InvalidDiskFrom: The vDisk to copy [v1]=[v2] was not found.

57 InvalidDiskTo: No vDisk to copy to ([v1]=[v2]) was found.

58 InvalidDiskPath: The path '[v1]' to the vDisk file is not found.

59 VDiskFileNotFound: [v1]: vDisk file was not found.

60 InvalidDiskServer: There is no server that can serve the vDisk [v1] or the store this vDisk belongs to.

61 InvalidDiskForServer: Server [v1] cannot serve the vDisk [v2].

62 SameSiteRequired: The items must be in the same site.

63 TooFewFields: Not enough fields for a record.

64 ADerrorDC: Failed to connect to domain controller (if any) or default rootDSE. Error code: [v1], message: [v2], provider: [v3].

65 ADerrorOU: Failed to get OU set (if any). Error code: [v1], message: [v2], provider: [v3].

66 ADerrorDefaultContainer: Failed to get default computer accounts container (i.e., Active Directory root => Computers). Error code: [v1], message: [v2], provider: [v3].

67 ADerrorCreate: Failed to create computer account in Active Directory. Error code: [v1], message: [v2], provider: [v3].

68 ADerrorNewAccount: Failed to get hold of newly created computer account. Error code: [v1], message: [v2], provider: [v3].

69 ADerrorSam: Failed to set samAccountName property. Error code: [v1], message: [v2], provider: [v3].

70 ADerrorUserAccount: Failed to set userAccountControl property. Error code: [v1], message: [v2], provider: [v3].

71 ADerrorSave: Failed to save change (also returned if caller lacks permission). Error code: [v1], message: [v2], provider: [v3].

72 ADerrorSetPassword: Failed to set password. Error code: [v1], message: [v2], provider: [v3].

73 ADerrorAddTrustee: Failed to add trustee (if any). Error code: [v1], message: [v2], provider: [v3].

74 ADerrorEnableAccount: Failed to enable account. Error code: [v1], message: [v3], provider: [v2].

75 ADerrorAlreadyExists: Computer name already in use. Error code: [v1], message: [v3], provider: [v2].

76 ADerrorGeneral: General Active Directory error. Error code: [v1], message: [v2], provider: [v3].

77 ADerrorDirectorySearch: Failed to get directory search object. Error code: [v1], message: [v2], provider: [v3].

78 ADerrorSearchComputerAccount: Failed to execute search to find the computer account. Error code: [v1], message: [v2], provider: [v3].

79 ADerrorComputerAccountNotFound: Specified computer account not found. Error code: [v1], message: [v2], provider: [v3].

80 ADerrorComputerAccountHold: Failed to get hold of the found computer account. Error code: [v1], message: [v2], provider: [v3].

81 ADerrorComputerAccountMove: Failed to move the computer account to the target OU set (also returned if caller lacks permission). Error code: [v1], message: [v2], provider: [v3].

82 ADerrorDelete: Failed to delete the computer account (also returned if caller lacks permission). Error code: [v1], message: [v2], provider: [v3].

83 ADerrorPasswordGeneration: Failed to generate password.

84 MapDiskNoDriver: Failed to map vDisk, no Driver.

85 MapDiskDeniedByServer: Failed to map vDisk, denied by Server.

86 MapDiskLocalAccessDenied: Failed to map vDisk, local access denied.

87 MapDiskMiniportError: Failed to map vDisk, Miniport error.

88 UnmapDiskFailed: Failed to unmap a vDisk.

89 DuplicateDisk: The vDisk [v1] already exists on [v2] at [v3].

90 DuplicateDiskLocator: A DiskLocator: [v1] already exists on Site: [v2].

91 DiskCreationInProgress: The vDisk [v1] is being created on [v2] at [v3].

92 InvalidServerStore: Server-store specified does not exist.

93 InvalidStore: Store specified does not exist.

94 InvalidFarmView: Farm View specified does not exist.

95 InvalidStorePath: Store path is empty.

96 ManagementInterfaceError:

- Management Interface: Undefined error.
- Management Interface: Database interface is inaccessible.
- Management Interface: Database interface library is inaccessible.
- Management Interface: The database access library is a version incompatible with the Management Server.
- Management Interface: Database interface library is invalid.
- Management Interface: Database interface could not be created.
- Management Interface: Database could not be opened.
- Management Interface: Database is in use.
- Management Interface: Database error occurred.
- Management Interface: Not implemented.
- Management Interface: Registry entry was not found.
- Management Interface: Request was not created.
- Management Interface: Operating System error occurred.
- Management Interface: vDisk error.
- Management Interface: vDisk header is incomplete.
- Management Interface: vDisk footer is incomplete.

Management Interface: vDisk boot record is incomplete.
Management Interface: vDisk boot sector is incomplete.
Management Interface: vDisk size is below the minimum.
Management Interface: vDisk size is above the maximum.
Management Interface: vDisk boot record template is inaccessible.
Management Interface: vDisk boot sector template is inaccessible.
Management Interface: vDisk lock was not found.
Management Interface: vDisk has exclusive lock.
Management Interface: vDisk has shared lock.
Management Interface: vDisk lock error.
Management Interface: vDisk format is incompatible.
Management Interface: vDisk prefooter is incomplete.
Management Interface: vDisk creation is in progress.
Management Interface: vDisk creation information was not found.
Management Interface: vDisk creation cancellation was requested.
Management Interface: vDisk file was not found.
Management Interface: vDisk file path was not found.
Management Interface: vDisk file access was denied.
Management Interface: Cancelled.
Management Interface: Registry key for the product is inaccessible.
Management Interface: Registry key for the installation folder is inaccessible.
Management Interface: Registry key for the management interface is inaccessible.
Management Interface: Registry key for the database path is inaccessible.
Management Interface: Registry key for the management interface IP address is inaccessible.
Management Interface: Buffer size is too small.
Management Interface: Buffer size is too large.
Management Interface: Unknown error.
Management Interface: Remote server failed to relay a request.
Management Interface: Remote server is not servicing the device.
Management Interface: Remote server or device refused the request.
Management Interface: Local server failed to complete a request to a server or device.
Management Interface: Local server failed to complete a request to a server.
Management Interface: Remote requests were disabled because of an initialization error.
Management Interface: Remote request failed.
Management Interface: Remote request timed out.
Management Interface: Remote request result was not found.
Management Interface: Remote request receiver failed to initialize.
Management Interface: Management command failed for all objects.
Management Interface: Failed to get the preshared key in secure version.
Management Interface: VHD Error.
Management Interface: vDisk properties were lost.
Management Interface: Insufficient Memory.
Management Interface: The network path was not found.
Management Interface: The network name cannot be found.
Management Interface: File already exists.

Management Interface: The geometry of the vDisk is not accessible.
Management Interface: Store media is read-only. Cannot create VHD.
Management Interface: vDisk file is being used by another process.

97 ServerTimeout: Server did not respond to a request in time.
98 NotFound: [v1] not found.
99 AccountRetrieve: The account information for user [v1] could not be retrieved.

100 ActiveDevice: Device is active so the action cannot be done.
101 ActiveDiskLocator: vDisk is active so change cannot be done.
102 AssignedDiskLocator: vDisk is assigned to a Device so Delete cannot be done.

103 ActiveServer: Server is active so delete cannot be done.
104 NotEnoughFreeDiskSpace: Not enough free disk space to create the VHD.

105 InvalidDiskName: The vDisk name has one or more invalid characters. The invalid characters are < > | " \ / : * ?.

106 CannotDeleteLastAuthGroup: The last Authorization Group cannot be deleted. If it is nobody can use the system.
107 CannotDeleteUsedAuthGroup: The Authorization Group cannot be deleted, it is currently being used.

108 ServerStartFailed: The starting of the server was not successful. The service account may not have sufficient privileges.
109 ServerStopFailed: The stop of the server did not succeed.

110 LockOwnerNotFound: The device that owns the lock was not found, the disk was not unlocked.

111 PossiblySharedVDisk: The file [v1] is possibly being referred to in other sites or stores therefore it cannot be deleted.

112 StorePathInaccessible: The store path [v1] is inaccessible.
113 InvalidAction: The [v1] action does not exist.
114 InvalidObjectType: The [v1] objectType does not exist.
115 TooManyRecords: There is too much data being returned, use GetFirst and GetNext instead of Get.

116 InvalidUserGroup: The specified UserGroup does not exist.
117 InvalidAuditAction: The specified AuditAction does not exist.
118 LoginFailed: The database login failed. The user has no database access rights.

119 DatabaseConnectionError: The database connection failed, restore the connection to manage the farm.

120 CreateTriggersParsing: Failed while parsing the database script 'CreateTriggers' at: [v1]
121 CreateStoredProcParsing: Failed while parsing the database script 'CreateStoredProcedures' at: [v1]

122 MediaIsReadOnly: Management Interface: Store media is read-only. Cannot create VHD.

123 ADerrorDN: Failed to get distinguishedName property. Error code: [v1], message: [v2], provider: [v3].
124 ADerrorGetSecDes: Failed to get Security Descriptor property. Error code: [v1], message: [v2], provider: [v3].
125 ADerrorSetSecDes: Failed to set Security Descriptor property. Error code: [v1], message: [v2], provider: [v3].
126 ADerrorDNSHostName: Failed to set dNSHostName property. Error code: [v1], message: [v2], provider: [v3].
127 ADerrorDisplayName: Failed to set displayName property. Error code: [v1], message: [v2], provider: [v3].

128 ADerrorBind: Failed to bind to a DC. Error code: [v1], message: [v2], provider: [v3].

129 ADerrorGetSPN: Failed to get an SPN. Error code: [v1], message: [v2], provider: [v3].

130 ADerrorWriteSPN: Failed to write SPN. Error code: [v1], message: [v2], provider: [v3].

131 ADerrorSearch: Failed to execute search. Error code: [v1], message: [v2], provider: [v3].

132 ADerrorMoveToOU: Failed to move account to OU. Error code: [v1], message: [v2], provider: [v3].

133 ADerrorDeleteAccount: Failed to delete account. Error code: [v1], message: [v2], provider: [v3].

134 ADerrorBadParameters: Bad input parameters. Error code: [v1], message: [v2], provider: [v3].

141 PathNotExist: The specified path does not exist on the given server.

142 PathNoCreatePermission: The specified path does not have create permissions.

143 PathNoReadPermission: The specified path does not have read permissions.

144 PathNoWritePermission: The specified path does not have write permissions.

145 PathNoDeletePermission: The specified path does not have delete permissions.

146 IPCProtocolError: Internal error. A field is missing from the IPC protocol data.

147 InvalidStoreServer: There is no active server that can serve the store [v1].

148 ConstraintCheck: A database constraint caused an Add or Update to be stopped.

149 VamtNotFound: The Volume Activation Management Tool cannot be found.

150 ADerrorCannotGetObjectSID: Cannot return objectSID. Error code: [v1], message: [v2], provider: [v3].

151 ADerrorCannotDisableAccount: Cannot disable ADaccount. Error code: [v1], message: [v2], provider: [v3].

152 ADerrorFailedToChangePassword: Failed to reset machine account password. Error code: [v1], message: [v2], provider: [v3].

153 ADerrorFailedToCopyDCName: Failed to copy domain controller name. Error code: [v1], message: [v2], provider: [v3].

154 ADerrorDCNameIsTooLong: Domain controller name is too long. Error code: [v1], message: [v2], provider: [v3].

155 SiteMakUserPassword: The Site makUser and makPassword fields must have values.

156 VamtError: See the log for additional error details.

157 InactiveDevice: Device specified is not active.

158 DiskIsInPrivateMode: Could not complete operation, vDisk is in private image mode.

159 AlreadyInChangeMode: Could not complete operation, vDisk is already in Maintenance, Merge or Test mode.

160 CannotCreateMaintenanceDisk: Cannot create maintenance disk

161 CannotEnterMaintenanceMode: Cannot enter maintenance mode, no servers available.

162 NotInMaintenanceMode: Could not complete operation, vDisk is not in maintenance mode.

163 NoVersionForMaintenanceMode: No highest version can be found to place into maintenance mode.

164 NoVersionFound: Cannot complete operation, no version record was found in the database.

165 Obsolete: The [v1] feature is obsolete.

166 DatabaseWarning: A database warning occurred.

167 DatabaseSQL: A database SQL error occurred.

168 DatabaseResource: A database resource error occurred.

169 InvalidUpdateTask: The specified UpdateTask does not exist.

170 InvalidVirtualHostingPool: The specified VirtualHostingPool does not exist.

171 RemoteCommand: An exception occurred executing a command on a remote server.

172 IpcNotConfigured: The IPC interface must be configured before executing remote commands

173 DiskAlreadySetForUpdate: The Disk is already set for Update with Device [v1] in Site [v2].

174 InvalidDiskVersion: The Disk Version specified is not valid.

175 HostResolution: Could not resolve hostname for [v1]

176 InProcess: Remote task taking longer than expected. TaskId: [v1]

177 DateMustBeInFuture: The [v1] must be in the future.

178 InvalidRemoteReturn: The remote command did not return valid data.

179 InvalidParameterValueMinMax: The [v1] parameter value is invalid, the mininum is [v2] and the maximum is [v3].

180 InvalidParameterNotNumeric: The [v1] parameter value is invalid, it is not numeric.

181 InvalidParameterNotGuid: The [v1] parameter value is invalid, it is not a GUID.

182 PassThroughMessage: [v1]

183 DiskUpdateNotEnabled: Automatic vDisk update is not enabled or disk update server is not defined.

184 ErrorCode:

- Windows API error occurred, number 0xE0000000.
- SQL error occurred, number 0xE0010000.
- Manager error occurred. Error number 0xE0020000.
- StreamProcess error occurred. Error number 0xE0030000.
- Stream Database error occurred. Error number 0xE0040000.
- Management error occurred. Error number 0xE0050000.
- VHD Library: Handle pointer is invalid. Error number 0xE0060002.
- VHD Library: Length of the path exceeds the limit of the file system. Error number 0xE0060003.
- VHD Library: Name is empty. Error number 0xE0060004.
- VHD Library: Length of the name exceeds the limit of the file system. Error number 0xE0060005.
- VHD Library: Size of a parameter was too big. Error number 0xE0060006.
- VHD Library: Size of a parameter was too small. Error number 0xE0060007.
- VHD Library: The media is write protected. Error number 0xE0060008.
- VHD Library: Type is invalid. Error number 0xE0060009.
- VHD Library: Footer is incomplete. Error number 0xE006000A.
- VHD Library: Failed to read or write the entire VHD Header. Error number 0xE006000B.
- VHD Library: Failed to read or write the entire VHD Block Allocation Table. Error number 0xE006000C.
- VHD Library: Failed to read or write all of the VHD properties. Error number 0xE006000D.
- VHD Library: VHD footer is corrupt. Error number 0xE006000E.

VHD Library: VHD header is corrupt. Error number 0xE006000F.
VHD Library: Failed to read or write the VHD objects. Error number 0xE0060010.
VHD Library: Destination string is too small. Error number 0xE0060011.
VHD Library: Destination string pointer is NULL. Error number 0xE0060012.
VHD Library: Source string pointer is NULL. Error number 0xE0060013.
VHD Library: Offset is before the beginning of the VHD data area. Error number 0xE0060014.
VHD Library: Offset is after the end of the VHD data area. Error number 0xE0060015.
VHD Library: Failed to allocate memory because it was unavailable. Error number 0xE0060016.
VHD Library: Caller cancelled the last create request. Error number 0xE0060017.
VHD Library: Failed to read or write all of the data as requested. Error number 0xE0060018.
VHD Library: Failed to create a Universal Unique Identification for a VHD. Error number 0xE0060019.
VHD Library: Failed to find the VHD properties. Error number 0xE006001A.
VHD Library: Failed to read or write the entire sector bitmap within a block. Error number 0xE006001B.
VHD Library: Failed to read or write the entire block. Error number 0xE006001C.
VHD Library: Failed to open the file that represents the VHD. Error number 0xE006001D.
VHD Library: Requested number of bytes exceeds the remainder of bytes in a block. Error number 0xE006001E.
VHD Library: Accessed past end of the VHD file. Error number 0xE006001F.
VHD Library: Differencing VHD Unique ID (UUID) differs to parent VHD Unique ID. Error number 0xE0060020.
VHD Library: Differencing VHD timestamp differs to parent VHD last modified time. Error number 0xE0060021.
VHD Library: Failed to read or write the entire VHD Block Allocation Table Map. Error number 0xE0060022.
IPC error occurred. Error number 0xE0070000.
Disk Update error occurred. Error number 0xE0080000.
Inventory error occurred. Error number 0xE0090000.
Notifier error occurred. Error number 0xE00A0000.
MAPI error occurred. Error number 0xE00B0000.
185 TaskCancelled: The task [v1] has been cancelled and is not running.
186 TaskCompleted: The task [v1] has been completed and is not running.
187 TaskInProgress: The Task [v1] is running and cannot be processed.
188 InvalidTask: The specified Task does not exist.
4100 ADerrorUnexpectedError: Unexpected error. Error code: [v1], message: [v2], provider: [v3].

Command list

Mcli-Add

Mcli-Add commandName[-r field=value[, field2=value2]]

Mcli-Add AuthGroup

Add an Active Directory or Windows Group for authorization.

```
-r
Record to add. All record fields that do not have a Default are
required.
  authGroupName          Name of the Active Directory or Windows
                        Group. Max Length=450
  description            User description. Default="" Max
                        Length=250

resultId
  If successful, the GUID of the record added.
```

Mcli-Add Collection

Add a Collection to a Site.

```
-r
Record to add. All record fields that do not have a Default are
required.
  collectionName         Name of the Collection. It is unique
                        within the Site. Max Length=50
  siteId                 GUID of the Site that this Collection is
                        a member of. It is not used with
                        siteName. Length=36
  siteName               Name of the Site that this Collection is
                        a member of. It is not used with siteId.
  description            User description. Default="" Max
                        Length=250
  lastAutoAddDeviceNumber The Device Number of the last Auto Added
                        Device. Default=0
  enabled                1 when Devices in the Collection can be
                        booted, 0 otherwise. Default=1
  autoAddPrefix           The string put before the Device Number
                        for Auto Add. Default=null ASCII computer
                        name characters no end digit Max
                        Length=12
  autoAddSuffix           The string put after the Device Number
                        for Auto Add. Default=null ASCII computer
                        name characters no begin digit Max
                        Length=12
  autoAddZeroFill        1 when zeros be placed before the Device
                        Number up to the autoAddNumberLength for
                        Auto Add, 0 otherwise. Default=1
  autoAddNumberLength    The maximum length of the Device Number
                        for Auto Add. This length plus the
                        autoAddPrefix length plus the
                        autoAddSuffix length must be less than
                        16. Required that
                        ((lenautoAddPrefix+lenautoAddSuffix)+auto
                        AddNumberLength)<=15. Min=3, Max=9,
                        Default=4

resultId
  If successful, the GUID of the record added.
```

Mcli-Add Device

Add a new Device to a collection.

-r

Record to add. All record fields that do not have a Default are required.

deviceName	Computer name with no spaces. ASCII computer name characters Max Length=15
collectionId	GUID of the Collection this Device is to be a member of. It is not used with collectionName. Length=36
collectionName	Name of the Collection this Device is to be a member of. siteName or siteId must also be used.
siteId	GUID of the Site the collectionName is to be a member of. This or siteName is used with collectionName.
siteName	Name of the Site the collectionName is to be a member of. This or siteId is used with collectionName.
description	User description. Default="" Max Length=250
deviceMac	Ethernet address as a string in the form XX-XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17
bootFrom	Device to boot from. Choices are 1 for vDisk, 2 for Hard Disk, and 3 for Floppy. Min=1, Max=3, Default=1
className	Used by Automatic Update feature to match new versions of Disks to a Device. Default="" Max Length=41
port	UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901
enabled	1 when it can be booted, 0 otherwise. Default=1
localDiskEnabled	If there is a local disk menu choice for the Device, this is 1. Default=0
authentication	Device log in authentication. Choices are 0 for none, 1 for User Name/Password, and 2 for Extern. Min=0, Max=2, Default=0
user	Name of user to authenticate before the boot process continues. Default="" ASCII Max Length=20
password	Password of user to authenticate before the boot process continues. Default="" ASCII Max Length=100
copyTemplate	1 if the Template Device for the collection, if it exists, should be used for the property settings of the added Device. Default=0
adTimestamp	The time the Active Directory machine account password as generated. Default=0
adSignature	The signature of the Active Directory machine account password. Default=0
logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3

	(Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=0
domainName	Fully qualified name of the domain that the Device belongs to. Default=null Max Length=255
domainObjectSID	The value of the objectSID AD attribute of the same name for the Device's computer account. Default=null Max Length=186
domainControllerName	The name of the DC used to create the host's computer account. Default=null Max Length=4000
domainTimeCreated	The time that the computer account was created. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=null
type	1 when it performs test of Disks, 2 when it performs maintenance on Disks, 0 otherwise. Min=0, Max=2, Default=0
resultId	If successful, the GUID of the record added.

Mcli-Add DiskLocator

Add a Disk Locator to a Site. The Disk file must already exist.

```
-r
Record to add. All record fields that do not have a Default are
required.
  diskLocatorName      Name of the Disk Locator File. It is
                        unique within the Store. ASCII Max
                        Length=64
  siteId               GUID of the Site this DiskLocator is to
                        be a member of. It is not used with
                        siteName. Length=36
  siteName             Name of the Site this DiskLocator is to
                        be a member of. It is not used with
                        siteId.
  storeId              GUID of the Store that this Disk Locator
                        is a member of. siteName or siteId must
                        also be used. It is not used with
                        storeName. Length=36
  storeName            Name of the Store that this Disk Locator
                        is a member of. siteName or siteId must
                        also be used. It is not used with
                        storeId.
  description          User description. Default="" Max
                        Length=250
  menuText             Text that is displayed in the Bios Prompt
                        auto-add. If this field has no value, the
                        name value is used. Default="" ASCII Max
                        Length=64
  serverId             GUID of the single Server that this Disk
                        Locator is assigned to. It is not used
                        with serverName. Default=null Length=36
```

serverName	Name of the single Server that this Disk Locator is assigned to. It is not used with serverId. Default=null
enabled	1 when this disk can be booted, 0 otherwise. Default=1
rebalanceEnabled	1 when this Server can automatically rebalance Devices, 0 otherwise. Default=0
rebalanceTriggerPercent	Percent over fair load that triggers a dynamic Device rebalance. Min=5, Max=5000, Default=25
subnetAffinity	Qualifier for subnet affinity when assigning a Server. 0=None, 1=Best Effort, 2=Fixed. Min=0, Max=2, Default=0

resultId
If successful, the GUID of the record added.

Mcli-Add DiskUpdateDevice

Add a new Device related to a Disk that can be updated.

-r
Record to add. All record fields that do not have a Default are required.

deviceName	Computer name with no spaces. ASCII computer name characters Max Length=15
virtualHostingPoolId	GUID of the Virtual Hosting Pool. It is not used with virtualHostingPoolName. Default=null Length=36
virtualHostingPoolName	Name of the Virtual Hosting Pool.
diskLocatorId	GUID of the Disk Locator to update with this Device.
description	User description. Default="" Max Length=250
deviceMac	Ethernet address as a string in the form XX-XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17
port	UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901
adTimestamp	The time the Active Directory machine account password as generated. Default=0
adSignature	The signature of the Active Directory machine account password. Default=0
logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=0
domainName	Fully qualified name of the domain that the Device belongs to. Default=null Max Length=255
domainObjectSID	The value of the objectSID AD attribute of the same name for the Device's computer account. Default=null Max Length=186
domainControllerName	The name of the DC used to create the host's computer account. Default=null Max Length=4000

domainTimeCreated The time that the computer account was created. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=null

resultId
If successful, the GUID of the record added.

Mcli-Add FarmView

Add a View to a Farm.

-r
Record to add. All record fields that do not have a Default are required.
farmViewName name of the Farm View. Max Length=50
description User description. Default="" Max Length=250

resultId
If successful, the GUID of the record added.

Mcli-Add Server

Add a Server to a Site.

-r
Record to add. All record fields that do not have a Default are required.
serverName Computer name with no spaces. ASCII computer name characters Max Length=21
siteId GUID of the Site this Server is to be a member of. It is not used with siteName. Length=36
siteName Name of the Site this Server is to be a member of. It is not used with siteId.
description User description. Default="" Max Length=250
adMaxPasswordAge Number of days before a password expires. Min=1, Max=30, Default=7
licenseTimeout Amount of time before a license times out. Min=15, Max=300, Default=30
vDiskCreatePacing VDisk create time pacing. Min=0, Max=5, Default=0
firstPort Number of the first UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6910
lastPort Number of the last UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6930
threadsPerPort Number of worker threads per IO port. Required that (threadPerPort * numberPorts * numberIPs) <= 1000. Min=1, Max=60, Default=8
buffersPerThread Number of buffers per worker thread. Min=1, Max=128, Default=24

serverCacheTimeout	Number of seconds to wait before considering another Server is down. Min=5, Max=60, Default=8
ioBurstSize	Number of bytes read/writes can send in a burst of packets. Required that $ioBurstSize/(maxTransmissionUnits-76) \leq 32$. Min=4096, Max=61440, Default=32768
maxTransmissionUnits	Ethernet maximum transmission unit size for the protocol for use for Server and Device. Required that $ioBurstSize/(maxTransmissionUnits-76) \leq 32$. Min=502, Max=16426, Default=1506
maxBootDevicesAllowed	Maximum number of Devices allowed to boot simultaneously. Min=1, Max=1000, Default=500
maxBootSeconds	Maximum number of seconds for a Device to boot. Min=10, Max=900, Default=60
bootPauseSeconds	Number of seconds that a Device will pause during login if its server busy. Min=1, Max=60, Default=10
autoUpdateHour	The hour of the day to perform the Auto-Update. Min=0, Max=23, Default=0
autoUpdateMinute	The minute of the hour to perform the Auto-Update. Min=0, Max=59, Default=0
adMaxPasswordAgeEnabled	Age the password, when set to 1. Default=0
eventLoggingEnabled	Enable event logging, when set to 1. Default=0
nonBlockingIoEnabled	Use non-Blocking IO, when set to 1. Default=1
autoUpdateEnabled	1 if the Auto-Update feature is enabled, 0 otherwise. Default=0
ip	One or more ip addresses. If more than one ip is included, the ip addresses are comma delimited.
initialQueryConnectionPoolSize	Initial size of database connection pool for non-transactional queries. Min=1, Max=1000, Default=50
initialTransactionConnectionPoolSize	Initial size of database connection pool for transactional queries. Min=1, Max=1000, Default=50
maxQueryConnectionPoolSize	Maximum size of database connection pool for non-transactional queries. Min=1, Max=32767, Default=1000
maxTransactionConnectionPoolSize	Maximum size of database connection pool for transactional queries. Min=1, Max=32767, Default=1000
refreshInterval	Interval, in number of seconds, the server should wait before refreshing settings. Min=0, Max=32767, Default=300
unusedDbConnectionTimeout	Interval, in number of seconds, the server should wait before releasing an unused database connection. If set to 0, unused database connections are never released. Min=0, Max=32767, Default=300

busyDbConnectionRetryCount Number of times a failed database connection will be retried. Min=0, Max=32767, Default=2
 busyDbConnectionRetryInterval Interval, in number of milliseconds, the server should wait before retrying to connect to a database. Min=0, Max=10000, Default=25
 localConcurrentIoLimit Maximum concurrent IO transactions it performs for vDisks that are local. A value of 0 disables the feature. Min=0, Max=128, Default=4
 remoteConcurrentIoLimit Maximum concurrent IO transactions it performs for vDisks that are remote. A value of 0 disables the feature. Min=0, Max=128, Default=4
 ramDiskIpAddress IP address to use for transferring the RAM Disk. When equal to 0.0.0.0 the server IP is used with the first part replaced with 233. Default=0.0.0.0
 ramDiskTimeToLive Time to live for the invitation packet sent to Devices. Min=1, Max=255, Default=1
 ramDiskInvitationType Either 0 for Fixed, or 1 for Variable. Default=0
 ramDiskInvitationPeriod The amount of time in seconds that invitations are sent to Devices. Min=1, Max=300, Default=10
 logLevel Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=4
 logFileSizeMax Maximum size log files can reach in Megabytes. Min=1, Max=50, Default=5
 logFileBackupCopiesMax Maximum number of log file backups. Min=1, Max=50, Default=4
 powerRating A strictly relative rating of this Server's capabilities when compared to other Servers in the Store(s) it belongs too; can be used to help tune load balancing. Min=0.1, Max=1000, Default=1

resultId

If successful, the GUID of the record added.

Mcli-Add Site

Add a Site to the system.

-r

Record to add. All record fields that do not have a Default are required.

siteName Name of the Site. Max Length=50
 description User description. Default="" Max Length=250
 inventoryFilePollingInterval The number of seconds between polls for Disk changes in the Stores. Min=1, Max=600, Default=60

enableDiskUpdate	1 when Disk Updated is enabled for the Site, 0 otherwise. Default=0
diskUpdateServerId	GUID of the Disk Update Server for the Site. Not used with diskUpdateServerName. Default=null Length=36
diskUpdateServerName	Name of the Disk Update Server for the Site. Not used with diskUpdateServerId. Default=null
makUser	User name used for MAK activation. When retrieved, the result will be encrypted. Default=null Max Length=64
makPassword	User password used for MAK activation. When retrieved, the result will be encrypted. Default=null Max Length=64

resultId
If successful, the GUID of the record added.

Mcli-Add SiteView

Add a View to a Site.

-r
Record to add. All record fields that do not have a Default are required.

siteViewName	name of the Site View. Max Length=50
siteId	GUID of the Site this View is to be a member of. It is not used with siteName. Length=36
siteName	Name of the Site this View is to be a member of. It is not used with siteId.
description	User description. Default="" Max Length=250

resultId
If successful, the GUID of the record added.

Mcli-Add Store

Add a Store to the system.

-r
Record to add. All record fields that do not have a Default are required.

storeName	Name of the Store. Max Length=50
siteId	GUID of the Site where Administrators of that Site can change this Store. Not used for Farm Stores. siteName can be used instead. Default=null Length=36
siteName	Name of the Site where Administrators of that Site can change this Store. Not used for Farm Stores. siteId can be used instead. Default=null
description	User description. Default="" Max Length=250
path	Default directory path that the Servers use to access this Store. Max Length=255

cachePath Default Cache path(s) that the Servers use with this Store. It is an ordered comma-delimited list.

resultId
If successful, the GUID of the record added.

Mcli-Add UpdateTask

Add a new Update Task for the Site.

-r
Record to add. All record fields that do not have a Default are required.

updateTaskName	Name of the Update Task. It is unique within the Site. Max Length=50
siteId	GUID of the Site that this Update Task is a member of. It is not used with siteName. Length=36
siteName	Name of the Site that this Update Task is a member of. It is not used with siteId.
description	User description. Default="" Max Length=250
enabled	1 when it will be processed, 0 otherwise. Default=1
hour	The hour of the day to perform the task. Min=0, Max=23, Default=0
minute	The minute of the hour to perform the task. Min=0, Max=59, Default=0
recurrence	The update will reoccur on this schedule. 0 = None, 1 = Daily, 2 = Every Weekday, 3 = Weekly, 4 = Monthly Date, 5 = Monthly Type. Min=0, Max=5, Default=0
dayMask	Days selected values. 1 = Monday, 2 = Tuesday, 4 = Wednesday, 8 = Thursday, 16 = Friday, 32 = Saturday, 64 = Sunday, 128 = Day. Default=0. This is used with Weekly and Monthly Type recurrence. Min=1, Max=255, Default=4
date	Comma delimited days of the month. Numbers from 1-31 and , between are the only valid values. This is used with Monthly Date recurrence. Default="" Max Length=83
monthlyOffset	When to happen monthly. 0 = None, 1 = First, 2 = Second, 3 = Third, 4 = Forth, 5 = Last. This is used with Monthly Type recurrence. Min=0, Max=5, Default=3
esdType	Esd to use. Default=null Max Length=50
preUpdateScript	Script file to run before the update starts. Default=null Max Length=255
preVmScript	Script file to run before the VM is loaded. Default=null Max Length=255
postUpdateScript	Script file to run after the update finishes. Default=null Max Length=255
postVmScript	Script file to run after the VM is unloaded. Default=null Max Length=255

domain	Domain to add the Disk Update Device(s) to. If not included, the first Domain Controller found on the Server is used. Default=null Max Length=255
organizationUnit	Organizational Unit to add the Disk Update Device(s) to. This parameter is optional. If it is not specified, the device is added to the builtin Computers container. Child OU's should be delimited with forward slashes, e.g. "ParentOU/ChildOU". Special characters in an OU name, such as '"', '#', '+', ',', ';', '>', '=', must be escaped with a backslash. For example, an OU called "commaIn,TheMiddle" must be specified as "commaIn\,TheMiddle". The old syntax of delimiting child OU's with a comma is still supported, but deprecated. Note that in this case, the child OU comes first, e.g. "ChildOU,ParentOU". Default=null Max Length=255
postUpdateApprove	Access to place the version in after the update has occurred. 0 = Production, 1 = Test, 2 = Maintenance. Min=0, Max=2, Default=0
resultId	If successful, the GUID of the record added.

Mcli-Add VirtualHostingPool

Add a new Virtual Hosting Pool for the Site.

```
-r
Record to add. All record fields that do not have a Default are
required.
virtualHostingPoolName  Name of the Virtual Hosting Pool. It is
unique within the Site. Max Length=50
siteId                  GUID of the Site that this Virtual
Hosting Pool is a member of. It is not
used with siteName. Length=36
siteName                Name of the Site that this Virtual
Hosting Pool is a member of. It is not
used with siteId.
type                    Type of the Virtual Hosting Pool. 0 =
Citrix XenServer, 1 = Microsoft SCVMM, 2
= Microsoft Hyper-V, 3 = VMWare ESX.
Min=0, Max=3, Default=0
description             User description. Default="" Max
Length=250
server                  Name or IP of the Host Server. Max
Length=255
port                    Port of the Host Server. Min=80,
Max=65534, Default=80
updateLimit             Number of updates at the same time.
Min=2, Max=1000, Default=1000
```

updateTimeout	Timeout for updates. Min=2, Max=60, Default=30
shutdownTimeout	Timeout for shutdown. Min=2, Max=30, Default=10
userName	Name to use when logging into the Server.
password	Password to use when logging into the Server.

resultId
If successful, the GUID of the record added.

Mcli-Delete

Mcli-Delete commandName[-p name=value[, name2=value2]]

Mcli-Delete AuthGroup

Deletes an AuthGroup Active Directory or Windows Group name.

-p
Parameters needed for this Delete.
One of these required

authGroupId	GUID of the AuthGroup to Delete.
authGroupName	Name of the AuthGroup to Delete.

Optional

force	When set to 1, the AuthGroup will be Deleted even if being used, otherwise an error is returned if being used.
-------	--

Mcli-Delete Collection

Deletes a Collection.

-p
Parameters needed for this Delete.
This required

collectionId	GUID of the Collection to Delete.
--------------	-----------------------------------

or this required & resolution

collectionName	Name of the Collection to Delete.
----------------	-----------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

Mcli-Delete Device

Deletes one or more Devices.

-p
Parameters needed for this Delete.
One of these required

deviceId	GUID of the Device to Delete.
deviceName	Name of the Device to Delete.
deviceMac	MAC of the Device to Delete.
collectionId	GUID of the Collection to delete all Devices.

or this required & resolution

collectionName	Name of the Collection to delete all Devices.
----------------	---

One of these resolutions when needed
siteId GUID of the Site.
siteName Name of the Site.

Mcli-Delete DeviceDiskCacheFile

Deletes the Disk cache files for a Device.

-p
Parameters needed for this Delete.
One of these required
deviceId GUID of the Device to Delete Disk cache files.
deviceName Name of the Device to Delete Disk cache files.
deviceMac MAC of the Device to Delete Disk cache files.
This required
diskLocatorId GUID of the Disk Locator to Delete Disk cache files.
or this required & resolution
diskLocatorName Name of the Disk Locator File to Delete Disk cache files.
One of these resolutions when needed
siteId GUID of the Site.
siteName Name of the Site.
One of these resolutions when needed
storeId GUID of the Store that is needed when a diskLocatorName is used.
storeName Name of the Store that is needed when a diskLocatorName is used.

Mcli-Delete DiskLocator

Deletes one or more Disk Locators.

-p
Parameters needed for this Delete.
This required
diskLocatorId GUID of the Disk Locator to Delete.
or one of these required & resolutions
diskLocatorName Name of the Disk Locator File to Delete.
storeId GUID of the Store to delete all DiskLocators.
storeName Name of the Store to delete all DiskLocators.
Optional
deleteDiskFile 1 if the Disk File should be deleted, 0 otherwise. Default=0
One of these resolutions when needed
siteId GUID of the Site.
siteName Name of the Site.
One of these resolutions when needed
storeId GUID of the Store that is needed when a diskLocatorName is used.
storeName Name of the Store that is needed when a diskLocatorName is used.

Mcli-Delete DiskUpdateDevice

Deletes a Disk Update Device.

-p

Parameters needed for this Delete.

One of these required

deviceId	GUID of the Disk Update Device to Delete.
deviceName	Name of the Disk Update Device to Delete.
deviceMac	MAC of the Disk Update Device to Delete.

Mcli-Delete DiskVersion

Removes the latest Disk version or no longer needed version if no Devices are currently booted from that version.

-p

Parameters needed for this Delete.

This required

diskLocatorId	GUID of the Disk Locator to Delete the Version from.
---------------	--

or this required & resolution

diskLocatorName	Name of the Disk Locator File to Delete the Version from.
-----------------	---

Optional

version	Specifies the version that should be deleted. Used when deleting versions that are no longer needed because of a Merge.
force	Force the delete of the Automatic Maintenance version. Normally an Automatic Maintenance version cannot be deleted since it is usually in process of being updated.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

Mcli-Delete FarmView

Deletes a View from the Farm.

-p

Parameters needed for this Delete.

One of these required

farmViewId	GUID of the Farm View to Delete.
farmViewName	Name of the Farm View to Delete.

Mcli-Delete Server

Deletes a Server.

-p

Parameters needed for this Delete.

One of these required
serverId GUID of the Server to Delete.
serverName Name of the Server to Delete.

Mcli-Delete ServerStore

Delete the connection from a Server to a Store.

-p
Parameters needed for this Delete.
One of these required
serverId GUID of a Server that uses the path to
 get to the Store.
serverName Name of a Server that uses the path to
 get to the Store.

One of these required
storeId GUID of the Store.
storeName Name of the Store.

Mcli-Delete Site

Deletes a Site.

-p
Parameters needed for this Delete.
One of these required
siteId GUID of the Site to Delete.
siteName Name of the Site to Delete.

Mcli-Delete SiteView

Deletes a View from a Site.

-p
Parameters needed for this Delete.
This required
siteViewId GUID of the Site View to Delete.
or this required & resolution
siteViewName Name of the Site View to Delete.
One of these resolutions when needed
siteId GUID of the Site.
siteName Name of the Site.

Mcli-Delete Store

Deletes a Store.

-p
Parameters needed for this Delete.
One of these required
storeId GUID of the Store to Delete.
storeName Name of the Store to Delete.

Mcli-Delete UpdateTask

Deletes an Update Task from a Site.

-p

Parameters needed for this Delete.
This required
 updateTaskId GUID of the Update Task to Delete.
or this required & resolution
 updateTaskName Name of the Update Task to Delete.
One of these resolutions when needed
 siteId GUID of the Site.
 siteName Name of the Site.

Mcli-Delete VirtualHostingPool

Deletes a Virtual Hosting Pool from a Site.

-p
Parameters needed for this Delete.
This required
 virtualHostingPoolId GUID of the Virtual Hosting Pool to
 Delete.
or this required & resolution
 virtualHostingPoolName Name of the Virtual Hosting Pool to
 Delete.
One of these resolutions when needed
 siteId GUID of the Site.
 siteName Name of the Site.

Mcli-Get

Mcli-Get commandName[-p name=value[, name2=value2]][-s field[-]][-f
field[, field2]]

Mcli-Get AdDomains

Gets all of the available Active Directory domains.

-f
List of fields to retrieve, if not included, all fields are
retrieved.
 name Name of the Domain.

records
If successful, records retrieved.

Mcli-Get AuditActionParameters

Get the Parameters of an Audit Action.

-p
Parameters needed for the Get.
This required
 auditActionId GUID of the Audit Action to Get
 Parameters for.

-f
List of fields to retrieve, if not included, all fields are
retrieved.
 auditParameterName Name of the parameter. Max Length=50
 value Value of the parameter. Max Length=1000

records
If successful, records retrieved.

Mcli-Get AuditActionProperties

Get the Properties of an Audit Action.

-p
Parameters needed for the Get.
This required
auditActionId GUID of the Audit Action to Get
 Properties for.

-f
List of fields to retrieve, if not included, all fields are
retrieved.
auditPropertyName Name of the property. Max Length=50
oldValue Previous value of the Property.
 Default=null Max Length=1000
newValue New value of the Property. Default=null
 Max Length=1000

records
If successful, records retrieved.

Mcli-Get AuditActionSibling

Get the Sibling of an Audit Action. It is the 2nd object involved with
the action.

-p
Parameters needed for the Get.
This required
auditActionId GUID of the Audit Action to Get Sibling
 for.

-f
List of fields to retrieve, if not included, all fields are
retrieved.
auditActionId GUID of the action. Length=36
type Type of object that action was performed
 on. Values are: 1 (AuthGroup), 2
 (Collection), 3 (Device), 4 (Disk), 5
 (DiskLocator), 6 (Farm), 7 (FarmView), 8
 (Server), 9 (Site), 10 (SiteView), 11
 (Store), 12 (System), and 13 (UserGroup)
objectId GUID of the object of the action.
 Length=36
objectName Name of the object of the action. Max
 Length=1000
path Path of the object of the action. An
 example is Site\Collection for a Device.
 Default=null Max Length=101
siteId GUID of the Site for the object of the
 action. Empty when not valid.
 Default=null Length=36

subId GUID of the Collection or Store of the action. Empty when not valid.
Default=null Length=36

records

If successful, records retrieved.

Mcli-Get AuditTrail

Gets the Audit Trail actions for a Farm, Site, Server, DiskLocator, Collection, Device, User Group, Site View, Farm View or Store. The result can be filtered by parent, user\domain and date range.

-p

Parameters needed for the Get.

One of these optional

auditActionId	GUID of the Audit Action to Get.
parentId	Parent auditActionId of the records to retrieve. If no parameters are included, only records with no parent are returned.
rootId	Root auditActionId of the records to retrieve. All of the actions caused by the root action are returned. If no parameters are included, only records with no root are returned.
collectionId	GUID of the Collection to get the Audit Trail for.
siteViewId	GUID of the Site View to get the Audit Trail for.
farmViewId	GUID of the Farm View to get the Audit Trail for.
farmViewName	Name of the Farm View to get the Audit Trail for.
serverId	GUID of the Server to get the Audit Trail for.
serverName	Name of the Server to get the Audit Trail for.
deviceId	GUID of the Device to get the Audit Trail for.
deviceName	Name of the Device to get the Audit Trail for.
deviceMac	MAC of the Device to get the Audit Trail for.
storeId	GUID of the Store to get the Audit Trail for.
storeName	Name of the Store to get the Audit Trail for.
diskLocatorId	GUID of the DiskLocator to get the Audit Trail for.
siteId	GUID of the Site to get the Audit Trail for.
siteName	Name of the Site to get the Audit Trail for.
or one of these optional &	resolutions
collectionName	Name of the Collection to get the Audit Trail for.

siteViewName	Name of the Site View to get the Audit Trail for.
diskLocatorName	Name of the DiskLocator to get the Audit Trail for.
Optional	
userName	User that performed the action.
domain	Domain of the user that performed the action.
beginDate	Date of the first actions to get. If not included, all actions until the endDate are returned. If neither this or the endDate are included, then only actions that occurred in the last week are returned. Format is: yyyy/mm/dd
endDate	Date of the last actions to get. If not included, all actions from the beginDate until now are returned. If neither this or the beginDate are included, then only actions that occurred in the last week are returned. Format is: yyyy/mm/dd
type	Comma delimited list of types to get. Values are listed in the type field description.
action	Comma delimited list of actions to get. Values are listed in the action field description.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.
-f	
List of fields to retrieve, if not included, all fields are retrieved.	
auditActionId	GUID of the action. Length=36
time	Date/Time the action occurred down to the millisecond. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=getdate
userName	User that performed the action. Max Length=255
domain	Domain of the user that performed the action. Max Length=255
type	Type of object that action was performed on. Values are: 0 (Many), 1 (AuthGroup), 2 (Collection), 3 (Device), 4 (Disk), 5 (DiskLocator), 6 (Farm), 7 (FarmView), 8 (Server), 9 (Site), 10 (SiteView), 11 (Store), 12 (System), and 13 (UserGroup)
action	Name of the action taken. This is a number that is converted to a string for display. Values are: 1 (AddAuthGroup), 2 (AddCollection), 3 (AddDevice), 4 (AddDiskLocator), 5 (AddFarmView), 6

(AddServer), 7 (AddSite), 8
(AddSiteView), 9 (AddStore), 10
(AddUserGroup), 11
(AddVirtualHostingPool), 12
(AddUpdateTask), 13
(AddDiskUpdateDevice), 1001
(DeleteAuthGroup), 1002
(DeleteCollection), 1003 (DeleteDevice),
1004 (DeleteDeviceDiskCacheFile), 1005
(DeleteDiskLocator), 1006
(DeleteFarmView), 1007 (DeleteServer),
1008 (DeleteServerStore), 1009
(DeleteSite), 1010 (DeleteSiteView), 1011
(DeleteStore), 1012 (DeleteUserGroup),
1013 (DeleteVirtualHostingPool), 1014
(DeleteUpdateTask), 1015
(DeleteDiskUpdateDevice), 1016
(DeleteDiskVersion), 2001
(RunAddDeviceToDomain), 2002
(RunApplyAutoUpdate), 2003
(RunApplyIncrementalUpdate), 2004
(RunArchiveAuditTrail), 2005
(RunAssignAuthGroup), 2006
(RunAssignDevice), 2007
(RunAssignDiskLocator), 2008
(RunAssignServer), 2009 (RunBoot), 2010
(RunCopyPasteDevice), 2011
(RunCopyPasteDisk), 2012
(RunCopyPasteServer), 2013
(RunCreateDirectory), 2014
(RunCreateDiskCancel), 2015
(RunDisableCollection), 2016
(RunDisableDevice), 2017
(RunDisableDeviceDiskLocator), 2018
(RunDisableDiskLocator), 2019
(RunDisableUserGroup), 2020
(RunDisableUserGroupDiskLocator), 2021
(RunDisplayMessage), 2022
(RunEnableCollection), 2023
(RunEnableDevice), 2024
(RunEnableDeviceDiskLocator), 2025
(RunEnableDiskLocator), 2026
(RunEnableUserGroup), 2027
(RunEnableUserGroupDiskLocator), 2028
(RunExportOemLicenses), 2029
(RunImportDatabase), 2030
(RunImportDevices), 2031
(RunImportOemLicenses), 2032
(RunMarkDown), 2033 (RunReboot), 2034
(RunRemoveAuthGroup), 2035
(RunRemoveDevice), 2036
(RunRemoveDeviceFromDomain), 2037
(RunRemoveDirectory), 2038
(RunRemoveDiskLocator), 2039
(RunResetDeviceForDomain), 2040
(RunResetDatabaseConnection), 2041
(RunRestartStreamingService), 2042

(RunShutdown), 2043
 (RunStartStreamingService), 2044
 (RunStopStreamingService), 2045
 (RunUnlockAllDisk), 2046 (RunUnlockDisk),
 2047 (RunServerStoreVolumeAccess), 2048
 (RunServerStoreVolumeMode), 2049
 (RunMergeDisk), 2050
 (RunRevertDiskVersion), 2051
 (RunPromoteDiskVersion), 2052
 (RunCancelDiskMaintenance), 2053
 (RunActivateDevice), 2054
 (RunAddDiskVersion), 2055
 (RunExportDisk), 2056 (RunAssignDisk),
 2057 (RunRemoveDisk), 2057
 (RunDiskUpdateStart), 2057
 (RunDiskUpdateCancel), 2058
 (RunSetOverrideVersion), 2059
 (RunCancelTask), 2060 (RunClearTask),
 3001 (RunWithReturnCreateDisk), 3002
 (RunWithReturnCreateDiskStatus), 3003
 (RunWithReturnMapDisk), 3004
 (RunWithReturnRebalanceDevices), 3005
 (RunWithReturnCreateMaintenanceVersion),
 3006 (RunWithReturnImportDisk), 4001
 (RunByteArrayInputImportDevices), 4002
 (RunByteArrayInputImportOemLicenses),
 5001
 (RunByteArrayOutputArchiveAuditTrail),
 5002
 (RunByteArrayOutputExportOemLicenses),
 6001 (SetAuthGroup), 6002
 (SetCollection), 6003 (SetDevice), 6004
 (SetDisk), 6005 (SetDiskLocator), 6006
 (SetFarm), 6007 (SetFarmView), 6008
 (SetServer), 6009
 (SetServerBiosBootstrap), 6010
 (SetServerBootstrap), 6011
 (SetServerStore), 6012 (SetSite), 6013
 (SetSiteView), 6014 (SetStore), 6015
 (SetUserGroup), 6016
 SetVirtualHostingPool, 6017
 SetUpdateTask, 6018 SetDiskUpdateDevice,
 7001 (SetListDeviceBootstraps), 7002
 (SetListDeviceBootstrapsDelete), 7003
 (SetListDeviceBootstrapsAdd), 7004
 (SetListDeviceCustomProperty), 7005
 (SetListDeviceCustomPropertyDelete), 7006
 (SetListDeviceCustomPropertyAdd), 7007
 (SetListDeviceDiskPrinters), 7008
 (SetListDeviceDiskPrintersDelete), 7009
 (SetListDeviceDiskPrintersAdd), 7010
 (SetListDevicePersonality), 7011
 (SetListDevicePersonalityDelete), 7012
 (SetListDevicePersonalityAdd), 7013
 (SetListDevicePortBlockerCategories),
 7014
 (SetListDevicePortBlockerCategoriesDelete

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), 7015
(SetListDevicePortBlockerCategoriesAdd),
7016 (SetListDevicePortBlockerOverrides),
7017
(SetListDevicePortBlockerOverridesDelete)
, 7018
(SetListDevicePortBlockerOverridesAdd),
7019 (SetListDiskLocatorCustomProperty),
7020
(SetListDiskLocatorCustomPropertyDelete),
7021
(SetListDiskLocatorCustomPropertyAdd),
7022
(SetListDiskLocatorPortBlockerCategories)
, 7023
(SetListDiskLocatorPortBlockerCategoriesD
elete), 7024
(SetListDiskLocatorPortBlockerCategoriesA
dd), 7025
(SetListDiskLocatorPortBlockerOverrides),
7026
(SetListDiskLocatorPortBlockerOverridesDe
lete), 7027
(SetListDiskLocatorPortBlockerOverridesAd
d), 7028 (SetListServerCustomProperty),
7029 (SetListServerCustomPropertyDelete),
7030 (SetListServerCustomPropertyAdd),
7031 (SetListUserGroupCustomProperty),
7032
(SetListUserGroupCustomPropertyDelete),
and 7033
(SetListUserGroupCustomPropertyAdd)
objectId GUID of the object of the action.
Default=null Length=36
objectName Name of the object of the action.
Default=null Max Length=1000
path Path of the object of the action. An
example is Site\Collection for a Device.
Default=null Max Length=101
siteId GUID of the Site for the object of the
action. Empty when not valid.
Default=null Length=36
subId GUID of the Collection or Store of the
action. Empty when not valid.
Default=null Length=36
parentId GUID of the parent action (one that
triggered this action) if one exists.
Empty when not valid. Default=null
Length=36
rootId GUID of the root action (one that
triggered this group of actions) if one
exists. Empty when not valid.
Default=null Length=36
attachments An or'ed value that indicates if there
are any details for this action. A value
of 15 indicates that there are Children,
Sibling, Parameters and Properties for

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the action. Values are: 0 (None), 1 (Children), 2 (Sibling), 4 (Parameters), and 8 (Properties) Default=0

records

If successful, records retrieved.

Mcli-Get AuthGroup

Gets the fields for an AuthGroup, all AuthGroups in the system, AuthGroups with Farm, Site or Collection Authorization. All AuthGroups in the system are returned if no parameters are passed.

-p

Parameters needed for the Get.

One of these optional

authGroupId	GUID of the AuthGroup to Get.
authGroupName	Name of the AuthGroup to Get.
collectionId	GUID of the Collection to Get all AuthGroups with Authorization for.
siteId	GUID of the Site to Get all AuthGroups with Authorization for.
siteName	Name of the Site to Get all AuthGroups with Authorization for.

or this optional & resolution

collectionName	Name of the Collection to Get all AuthGroups with Authorization for.
----------------	--

Optional

farm	1 if AuthGroups with Farm Authorization should be returned, 0 otherwise.
------	--

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

authGroupName	Name of the Active Directory or Windows Group. Max Length=450
description	User description. Default="" Max Length=250

-f

List of fields to retrieve, if not included, all fields are retrieved.

authGroupId	Read-only GUID that uniquely identifies this AuthGroup. Length=36
authGroupName	Name of the Active Directory or Windows Group. Max Length=450
description	User description. Default="" Max Length=250
role	Role of the AuthGroup for a Collection. role can only be used with collectionId or collectionName.

records

If successful, records retrieved.

Mcli-Get AuthGroupUsage

Gets the items that are authorized for an AuthGroup.

-p

Parameters needed for the Get.

One of these required

authGroupId	GUID of the AuthGroup to Get all items that are authorized for it.
authGroupName	Name of the AuthGroup to Get all items that are authorized for it.

-f

List of fields to retrieve, if not included, all fields are retrieved.

id	GUID of the item. The item can be a Farm, Site or Collection. It will be empty for Farm.
name	Name of the item. The item can be a Farm, Site or Collection.
role	Role of the AuthGroup for the item. 100 is Farm Administrator, 200 is Site Administrator, 300 is Collection Administrator, and 400 is Collection Operator.

records

If successful, records retrieved.

Mcli-Get Collection

Gets the fields for a Collection or all Collections in a Site or Farm.

-p

Parameters needed for the Get.

One of these optional

collectionId	GUID of the Collection to Get.
siteId	GUID of the Site to Get all Collections for.
siteName	Name of the Site to Get all Collections for.

or this optional & resolution

collectionName	Name of the Collection to Get.
----------------	--------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

collectionName	Name of the Collection. It is unique within the Site. Max Length=50
description	User description. Default="" Max Length=250
deviceCount	Read-only count of Devices in this Collection.

activeDeviceCount Read-only count of active Devices in this Collection.

-f

List of fields to retrieve, if not included, all fields are retrieved.

collectionId	Read-only GUID that uniquely identifies this Collection. Length=36
collectionName	Name of the Collection. It is unique within the Site. Max Length=50
siteId	GUID of the Site that this Collection is a member of. It is not used with siteName. Length=36
siteName	Name of the Site that this Collection is a member of. It is not used with siteId.
description	User description. Default="" Max Length=250
templateDeviceId	GUID of a Device in the Collection whose settings are used for initial values of new Devices. Not used with templateDeviceName. Default=null Length=36
templateDeviceName	Name of a Device in the Collection whose settings are used for initial values of new Devices. Not used with templateDeviceId. Default=null
lastAutoAddDeviceNumber	The Device Number of the last Auto Added Device. Default=0
enabled	1 when Devices in the Collection can be booted, 0 otherwise. Default=1
deviceCount	Read-only count of Devices in this Collection.
activeDeviceCount	Read-only count of active Devices in this Collection.
makActivateNeededCount	Read-only count of active Devices that need MAK activation in this Collection.
autoAddPrefix	The string put before the Device Number for Auto Add. Default=null ASCII computer name characters no end digit Max Length=12
autoAddSuffix	The string put after the Device Number for Auto Add. Default=null ASCII computer name characters no begin digit Max Length=12
autoAddZeroFill	1 when zeros be placed before the Device Number up to the autoAddNumberLength for Auto Add, 0 otherwise. Default=1
autoAddNumberLength	The maximum length of the Device Number for Auto Add. This length plus the autoAddPrefix length plus the autoAddSuffix length must be less than 16. Required that ((lenautoAddPrefix+lenautoAddSuffix)+autoAddNumberLength)<=15. Min=3, Max=9, Default=4
role	Read-only Role of the user for this item. Expected values are 100, 200, 300 or 400.

records
If successful, records retrieved.

Mcli-Get CommandDescription

Returns one or more commands with description.

-p
Parameters needed for the Get.
This required
Action Action to get commands with description for.
Optional
Type Command Type of the Action to get a description for.
ObjectType Object Type to get command descriptions for. Valid Object Types are: Many, AuthGroup, Collection, Device, Disk, DiskLocator, Farm, FarmView, Server, Site, SiteView, Store, and System.
IType Interface Type to get command descriptions for. Values are: 0 (Mcli), 1 (PowerShell), 2 (SoapServer). Default=0
Culture Optional culture to use for the command descriptions returned.

records
If successful, records retrieved.

Mcli-Get CommandFields

Returns one record with fields and descriptions.

-p
Parameters needed for the Get.
This required
Action Action to get fields.
This required
Type Type of the Action to get fields.
Optional
Culture Optional culture to use for the field descriptions returned.

records
If successful, records retrieved.

Mcli-Get CommandParameters

Returns records with parameter type, parameters and descriptions.
Parameter types that maybe returned include: Optional, RequiredSingle, OptionalSingle, RequiredSingleAmbiguous, OptionalSingleAmbiguous, and Resolution.

-p
Parameters needed for the Get.
This required
Action Action to get parameters.

deviceMac	MAC of the Device to Get.
collectionId	GUID of the Collection to Get all Devices for.
serverId	GUID of the Server to Get all Devices for.
serverName	Name of the Server to Get all Devices for.
diskLocatorId	GUID of the DiskLocator to Get all Devices for.
siteViewId	GUID of the Site View to Get all Devices for.
farmViewId	GUID of the Farm View to Get all Devices for.
farmViewName	Name of the Farm View to Get all Devices for.
siteId	GUID of the Site.
siteName	Name of the Site.
or one of these optional & resolutions	
collectionName	Name of the Collection to Get all Devices for.
diskLocatorName	Name of the DiskLocator to Get all Devices for.
siteViewName	Name of the Site View to Get all Devices for.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

deviceName	Computer name with no spaces. ASCII computer name characters Max Length=15
description	User description. Default="" Max Length=250
deviceMac	Ethernet address as a string in the form XX-XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17
bootFrom	Device to boot from. Choices are 1 for vDisk, 2 for Hard Disk, and 3 for Floppy. Min=1, Max=3, Default=1
className	Used by Automatic Update feature to match new versions of Disks to a Device. Default="" Max Length=41
port	UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901

-f

List of fields to retrieve, if not included, all fields are retrieved.

deviceId	Read-only GUID that uniquely identifies this Device. Length=36
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deviceName	Computer name with no spaces. ASCII computer name characters Max Length=15
collectionId	GUID of the Collection this Device is to be a member of. It is not used with collectionName. Length=36
collectionName	Name of the Collection this Device is to be a member of. siteName or siteId must also be used.
siteId	GUID of the Site the collectionName is to be a member of. This or siteName is used with collectionName.
siteName	Name of the Site the collectionName is to be a member of. This or siteId is used with collectionName.
description	User description. Default="" Max Length=250
deviceMac	Ethernet address as a string in the form XX-XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17
bootFrom	Device to boot from. Choices are 1 for vDisk, 2 for Hard Disk, and 3 for Floppy. Min=1, Max=3, Default=1
className	Used by Automatic Update feature to match new versions of Disks to a Device. Default="" Max Length=41
port	UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901
enabled	1 when it can be booted, 0 otherwise. Default=1
localDiskEnabled	If there is a local disk menu choice for the Device, this is 1. Default=0
role	Read-only Role of the user for this item. Expected values are 100, 200, 300 or 400.
authentication	Device log in authentication. Choices are 0 for none, 1 for User Name/Password, and 2 for Extern. Min=0, Max=2, Default=0
user	Name of user to authenticate before the boot process continues. Default="" ASCII Max Length=20
password	Password of user to authenticate before the boot process continues. Default="" ASCII Max Length=100
active	1 if the Device is currently active, 0 otherwise.
template	1 if the Device is the template in its Collection, 0 otherwise.
adTimestamp	The time the Active Directory machine account password as generated. Default=0
adSignature	The signature of the Active Directory machine account password. Default=0
logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=0
domainName	Fully qualified name of the domain that the Device belongs to. Default=null Max Length=255

domainObjectSID	The value of the objectSID AD attribute of the same name for the Device's computer account. Default=null Max Length=186
domainControllerName	The name of the DC used to create the host's computer account. Default=null Max Length=4000
domainTimeCreated	The time that the computer account was created. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=null
type	1 when it performs test of Disks, 2 when it performs maintenance on Disks, 0 otherwise. Min=0, Max=2, Default=0

records

If successful, records retrieved.

Mcli-Get DeviceBootstraps

Get all Bootstrap files for a Device, and the menuText for each.

-p

Parameters needed for the Get.

One of these required

deviceId	GUID of the Device.
deviceName	Name of the Device.
deviceMac	MAC of the Device.

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

bootstrap	Name of the bootstrap file. Max Length=259
-----------	--

-f

List of fields to retrieve, if not included, all fields are retrieved.

bootstrap	Name of the bootstrap file. Max Length=259
menuText	Text that is displayed in the Boot Menu. If this field has no value, the bootstrap value is used. Default="" ASCII Max Length=64

records

If successful, records retrieved.

Mcli-Get DeviceCustomProperty

Get the Device Custom Property names and values.

-p

Parameters needed for the Get.

One of these required

deviceId	GUID of the Device.
deviceName	Name of the Device.
deviceMac	MAC of the Device.

-s
Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.
name Name of the Device custom property. Max Length=250

-f
List of fields to retrieve, if not included, all fields are retrieved.
name Name of the Device custom property. Max Length=250
value Value of the Device custom property. Max Length=1000

records
If successful, records retrieved.

Mcli-Get DeviceDiskPrinters

Get all non-disabled Printers for a Device/Disk, and the setting for each.

-p
Parameters needed for the Get.
One of these required
deviceId GUID of the Device.
deviceName Name of the Device.
deviceMac MAC of the Device.
This required
diskLocatorId GUID of the Disk Locator.
or this required & resolution
diskLocatorName Name of the Disk Locator File.
One of these resolutions when needed
storeId GUID of the Store that is needed when a diskLocatorName is used.
storeName Name of the Store that is needed when a diskLocatorName is used.

-s
Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.
name Name of the Printer. Must come from the list of Printers available on the Disk.

-f
List of fields to retrieve, if not included, all fields are retrieved.
name Name of the Printer. Must come from the list of Printers available on the Disk.
state Valid states are 1 (enabled network), 2 (enabled local), or 3 (default). 0 (disabled) can be used when setting a Printer that used to be 1 or 2 to 0. The list of all Printers available come from the Disk. Min=0, Max=3

records
If successful, records retrieved.

Mcli-Get DeviceInfo

Gets the fields and status for a Device, all Devices in a Collection, Site, Farm View, or Farm.

-p

Parameters needed for the Get.

One of these optional

deviceId	GUID of the Device to Get.
deviceName	Name of Device to Get.
deviceMac	MAC of the Device to Get.
collectionId	GUID of the Collection to Get all Devices for.
serverId	GUID of the Server to Get all Devices for.
serverName	Name of the Server to Get all Devices for.
diskLocatorId	GUID of the DiskLocator to Get all Devices for.
siteViewId	GUID of the Site View to Get all Devices for.
farmViewId	GUID of the Farm View to Get all Devices for.
farmViewName	Name of the Farm View to Get all Devices for.
siteId	GUID of the Site.
siteName	Name of the Site.

or one of these optional & resolutions

collectionName	Name of the Collection to Get all Devices for.
diskLocatorName	Name of the DiskLocator to Get all Devices for.
siteViewName	Name of the Site View to Get all Devices for.

Optional

onlyActive	Include only the active Devices when set to 1. If not included or set to 1, all Devices are returned. Only active Devices are always returned for serverId, serverName, or version.
makLicenseActivated	Optional MAK licensing indicator value to only return active Devices for. Values are: 0 (MAK not used), 1 (Not Activated), 2 (Activated).
version	Version of the Disk to Get all active Devices for. This is used with diskLocatorId or diskLocatorName.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
---------	--

storeName Name of the Store that is needed when a diskLocatorName is used.

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

deviceName Computer name with no spaces. ASCII computer name characters Max Length=15

description User description. Default="" Max Length=250

deviceMac Ethernet address as a string in the form XX-XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17

bootFrom Device to boot from. Choices are 1 for vDisk, 2 for Hard Disk, and 3 for Floppy. Min=1, Max=3, Default=1

className Used by Automatic Update feature to match new versions of Disks to a Device. Default="" Max Length=41

port UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901

serverName Read-only Name of the Server that the Device is using.

diskLocatorName Read-only name of the Disk Locator File that the Device is using.

-f

List of fields to retrieve, if not included, all fields are retrieved.

deviceId Read-only GUID that uniquely identifies this Device. Length=36

deviceName Computer name with no spaces. ASCII computer name characters Max Length=15

collectionId GUID of the Collection this Device is to be a member of. It is not used with collectionName. Length=36

collectionName Name of the Collection this Device is to be a member of. siteName or siteId must also be used.

siteId GUID of the Site the collectionName is to be a member of. This or siteName is used with collectionName.

siteName Name of the Site the collectionName is to be a member of. This or siteId is used with collectionName.

description User description. Default="" Max Length=250

deviceMac Ethernet address as a string in the form XX-XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17

bootFrom Device to boot from. Choices are 1 for vDisk, 2 for Hard Disk, and 3 for Floppy. Min=1, Max=3, Default=1

className Used by Automatic Update feature to match new versions of Disks to a Device. Default="" Max Length=41

port	UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901
enabled	1 when it can be booted, 0 otherwise. Default=1
localDiskEnabled	If there is a local disk menu choice for the Device, this is 1. Default=0
role	Read-only Role of the user for this item. Expected values are 100, 200, 300 or 400.
authentication	Device log in authentication. Choices are 0 for none, 1 for User Name/Password, and 2 for Extern. Min=0, Max=2, Default=0
user	Name of user to authenticate before the boot process continues. Default="" ASCII Max Length=20
password	Password of user to authenticate before the boot process continues. Default="" ASCII Max Length=100
active	1 if the Device is currently active, 0 otherwise.
template	1 if the Device is the template in its Collection, 0 otherwise.
adTimestamp	The time the Active Directory machine account password as generated. Default=0
adSignature	The signature of the Active Directory machine account password. Default=0
logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=0
domainName	Fully qualified name of the domain that the Device belongs to. Default=null Max Length=255
domainObjectSID	The value of the objectSID AD attribute of the same name for the Device's computer account. Default=null Max Length=186
domainControllerName	The name of the DC used to create the host's computer account. Default=null Max Length=4000
domainTimeCreated	The time that the computer account was created. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=null
type	1 when it performs test of Disks, 2 when it performs maintenance on Disks, 0 otherwise. Min=0, Max=2, Default=0
ip	Read-only IP of the Device.
serverPortConnection	Read-only Port of the Server that the Device is using.
serverIpConnection	Read-only IP of the Server that the Device is using.
serverId	Read-only GUID of the Server that the Device is using.
serverName	Read-only Name of the Server that the Device is using.
diskLocatorId	Read-only GUID of the Disk Locator that the Device is using.

diskLocatorName	Read-only name of the Disk Locator File that the Device is using.
diskVersion	Read-only version of the Disk Locator File that the Device is using.
diskVersionAccess	State of the Disk Version. Values are: 0 (Production), 1 (Maintenance), 2 (MaintenanceHighestVersion), 3 (Override), 4 (Merge), 5 (MergeMaintenance), 6 (MergeTest), and 7 (Test)
diskFileName	Name of the Disk File including the extension.
status	1 or 2 numbers in the format n,n. They are the number of retries and if ram cache is being used, ramcache percent used.
licenseType	0 when None, 1 for Desktop, 2 for Server, 5 for OEM SmartClient, 6 for XenApp, 7 for XenDesktop.
makLicenseActivated	Read-only indicator if MAK licensing is being used and is activated. Values are: 0 (MAK not used), 1 (Not Activated), 2 (Activated).
model	Oem Only: Read-only model of the computer. Values are OptiPlex 745, 755, 320, 760, FX160, or Default.
license	Oem Only: Read-only type of the license. Values are 0 when None, 1 or 2 when Desktop.

records

If successful, records retrieved.

Mcli-Get DevicePersonality

Get the Device Personality names and values.

-p

Parameters needed for the Get.

One of these required

deviceId	GUID of the Device.
deviceName	Name of the Device.
deviceMac	MAC of the Device.

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

name	Name of the Device personality item. Max Length=250
------	---

-f

List of fields to retrieve, if not included, all fields are retrieved.

name	Name of the Device personality item. Max Length=250
value	Value for the Device personality item. Max Length=1000

records

If successful, records retrieved.

Mcli-Get DeviceStatus

Gets the Device Status fields for a Device or all Devices for a Server, Disk Locator, or Farm.

-p

Parameters needed for the Get.

One of these optional

deviceId	GUID of the Device to Get status for.
deviceName	Name of Device to Get status for.
deviceMac	MAC of the Device to Get status for.
serverId	GUID of the Server to Get all Device Status for.

serverName	Name of the Server to Get all Device Status for.
------------	--

diskLocatorId	GUID of the Disk Locator to Get all DeviceStatus for.
---------------	---

collectionId	GUID of the Collection to Get all DeviceStatus for.
--------------	---

or one of these optional & resolutions

diskLocatorName	Name of the Disk Locator File to Get all DeviceStatus for.
-----------------	--

collectionName	Name of the Collection to Get all DeviceStatus for.
----------------	---

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
---------	--

storeName	Name of the Store that is needed when a diskLocatorName is used.
-----------	--

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

deviceName	Read-only Name of the Device. Can be used with Get Device.
------------	--

-f

List of fields to retrieve, if not included, all fields are retrieved.

deviceId	Read-only GUID of the Device. Can be used with Get Device. Length=36
----------	--

deviceName	Read-only Name of the Device. Can be used with Get Device.
------------	--

ip	Read-only IP of the Device.
----	-----------------------------

serverPortConnection	Read-only Port of the Server that the Device is using.
----------------------	--

serverIpConnection	Read-only IP of the Server that the Device is using.
--------------------	--

serverId	Read-only GUID of the Server that the Device is using. Length=36
----------	--

serverName	Read-only Name of the Server that the Device is using.
diskLocatorId	Read-only GUID of the Disk Locator that the Device is using. Length=36
diskLocatorName	Read-only name of the Disk Locator File that the Device is using.
diskVersion	Read-only version of the Disk Locator File that the Device is using. Default=-1
diskVersionAccess	State of the Disk Version. Values are: 0 (Production), 1 (Maintenance), 2 (MaintenanceHighestVersion), 3 (Override), 4 (Merge), 5 (MergeMaintenance), 6 (MergeTest), and 7 (Test)
diskFileName	Name of the Disk File including the extension.
status	1 or 2 numbers in the format n,n. They are the number of retries and if ram cache is being used, ramcache percent used.
licenseType	0 when None, 1 for Desktop, 2 for Server, 5 for OEM SmartClient, 6 for XenApp, 7 for XenDesktop. Default=0
makLicenseActivated	Read-only indicator if MAK licensing is being used and is activated. Values are: 0 (MAK not used), 1 (Not Activated), 2 (Activated). Default=0

records

If successful, records retrieved.

Mcli-Get Disk

Get the fields for a single disk.

-p

Parameters needed for the Get.

This required

diskLocatorId GUID of the Disk Locator.

or this required & resolution

diskLocatorName Name of the Disk Locator.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

One of these resolutions when needed

storeId GUID of the Store that is needed when a diskLocatorName is used.

storeName Name of the Store that is needed when a diskLocatorName is used.

-f

List of fields to retrieve, if not included, all fields are retrieved.

class Class of the Disk. Max Length=40

imageType Type of this image (software type). Max Length=40

diskSize	Read-only size of the image. The value is 0 when it is not available.
writeCacheSize	Cache size. Min=0, Max=4294967295, Default=0
autoUpdateEnabled	Automatically update this image for matching Devices when set to 1.
activationDateEnabled	Use activation date to activate image when set to 1.
adPasswordEnabled	Enable AD password management when set to 1.
printerManagementEnabled	Invalid printers will be deleted from the Device when set to 1.
writeCacheType	0 (Private), (other values are standard image) 1 (Cache on Server), 2 (Cache on Server Encrypted), 3 (Cache in Device RAM), 4 (Cache on Device Hard Drive), 5 (Cache on Device Hard Drive Encrypted), 6 (Device RAM Disk), or 7 (Cache on Server Persistent). Min=0, Max=8, Default=0
licenseMode	0 (None), 1 (Multiple Activation Key), or 2 (Key Management Service). Min=0, Max=2, Default=0
activeDate	Date to activate the disk if activationDateEnabled is 1. Format is yyyy/mm/dd
longDescription	Description of the Disk. Max Length=399
serialNumber	User defined serial number. Max Length=36
date	User defined date. Default format is MM/dd/yyyy HH:mm:ss. Max Length=40
author	User defined author. Max Length=40
title	User defined title. Max Length=40
company	User defined company. Max Length=40
internalName	User defined name. Max Length=63
originalFile	User defined original file. Max Length=127
hardwareTarget	User defined hardware target. Max Length=127
majorRelease	User defined major release number. Min=0, Max=4294967295, Default=0
minorRelease	User defined minor release number. Min=0, Max=4294967295, Default=0
build	User defined build number. Min=0, Max=4294967295, Default=0

records

If successful, records retrieved.

Mcli-Get DiskInfo

Gets the fields for a Disk and Disk Locator or all Disks and Disk Locators for a Device, Server, Store, Site, or Farm.

-p

Parameters needed for the Get.

One of these optional

diskLocatorId	GUID of the Disk Locator to Get.
---------------	----------------------------------

deviceId	GUID of the Device to Get all DiskLocators for.
deviceName	Name of the Device to Get all DiskLocators for.
deviceMac	MAC of the Device to Get all DiskLocators for.
serverId	GUID of the Server to Get all DiskLocators for.
serverName	Name of the Server to Get all DiskLocators for.
updateTaskId	GUID of the Server to Get all DiskLocators for.
siteId	GUID of the Site to Get all DiskLocators for.
siteName	Name of the Site to Get all DiskLocators for.
One of these optional	
single	Include single server connection when set to 1. If this and All are not included, both connection types are included.
all	Include all server connections for the store when set to 1. If this and Single are not included, both connection types are included.
or one of these optional &	resolutions
diskLocatorName	Name of the Disk Locator File to Get.
storeId	GUID of the Store to Get all DiskLocators for.
storeName	Name of the Store to Get all DiskLocators for.
updateTaskName	Name of the Server to Get all DiskLocators for.
Optional	
onlyActive	Include only the active DiskLocators when set to 1. If not included or set to 1, all DiskLocators are returned.
updateDevice	Include DiskLocators that have an Update Device when set to 1. Include DiskLocators that do not have an Update Device when set to 0. If this parameter is not included, then all DiskLocators are returned.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

diskLocatorName	Name of the Disk Locator File. It is unique within the Store. ASCII Max Length=64
-----------------	---

description	User description. Default="" Max Length=250
menuText	Text that is displayed in the Bios Prompt auto-add. If this field has no value, the name value is used. Default="" ASCII Max Length=64

-f

List of fields to retrieve, if not included, all fields are retrieved.

diskLocatorId	Read-only GUID that uniquely identifies this Disk Locator. Length=36
diskLocatorName	Name of the Disk Locator File. It is unique within the Store. ASCII Max Length=64
siteId	GUID of the Site this DiskLocator is to be a member of. It is not used with siteName. Length=36
siteName	Name of the Site this DiskLocator is to be a member of. It is not used with siteId.
storeId	GUID of the Store that this Disk Locator is a member of. siteName or siteId must also be used. It is not used with storeName. Length=36
storeName	Name of the Store that this Disk Locator is a member of. siteName or siteId must also be used. It is not used with storeId.
description	User description. Default="" Max Length=250
menuText	Text that is displayed in the Bios Prompt auto-add. If this field has no value, the name value is used. Default="" ASCII Max Length=64
serverId	GUID of the single Server that this Disk Locator is assigned to. It is not used with serverName. Default=null Length=36
serverName	Name of the single Server that this Disk Locator is assigned to. It is not used with serverId. Default=null
enabled	1 when this disk can be booted, 0 otherwise. Default=1
role	Read-only Role of the user for this item. Expected values are 100, 200, 300 or 999.
mapped	1 if the Disk is currently mapped, 0 otherwise.
enabledForDevice	1 when this disk is enabled for the Device specified, 0 otherwise. This is only returned when a Device is specified.
active	1 if the Device is currently active, 0 otherwise.
rebalanceEnabled	1 when this Server can automatically rebalance Devices, 0 otherwise. Default=0
rebalanceTriggerPercent	Percent over fair load that triggers a dynamic Device rebalance. Min=5, Max=5000, Default=25

subnetAffinity	Qualifier for subnet affinity when assigning a Server. 0=None, 1=Best Effort, 2=Fixed. Min=0, Max=2, Default=0
diskUpdateDeviceId	GUID of the DiskUpdateDevice that is used when updates are performed. Default=null
diskUpdateDeviceName	Name of the DiskUpdateDevice that is used when updates are performed. Default=null
class	Class of the Disk. Max Length=40
imageType	Type of this image (software type). Max Length=40
diskSize	Read-only size of the image. The value is 0 when it is not available.
writeCacheSize	Cache size. Min=0, Max=4294967295, Default=0
autoUpdateEnabled	Automatically update this image for matching Devices when set to 1.
activationDateEnabled	Use activation date to activate image when set to 1.
adPasswordEnabled	Enable AD password management when set to 1.
printerManagementEnabled	Invalid printers will be deleted from the Device when set to 1.
writeCacheType	0 (Private), (other values are standard image) 1 (Cache on Server), 2 (Cache on Server Encrypted), 3 (Cache in Device RAM), 4 (Cache on Device Hard Drive), 5 (Cache on Device Hard Drive Encrypted), 6 (Device RAM Disk), or 7 (Cache on Server Persistent). Min=0, Max=8, Default=0
licenseMode	0 (None), 1 (Multiple Activation Key), or 2 (Key Management Service). Min=0, Max=2, Default=0
activeDate	Date to activate the disk if activationDateEnabled is 1. Format is yyyy/mm/dd
longDescription	Description of the Disk. Max Length=399
serialNumber	User defined serial number. Max Length=36
date	User defined date. Default format is MM/dd/yyyy HH:mm:ss. Max Length=40
author	User defined author. Max Length=40
title	User defined title. Max Length=40
company	User defined company. Max Length=40
internalName	User defined name. Max Length=63
originalFile	User defined original file. Max Length=127
hardwareTarget	User defined hardware target. Max Length=127
majorRelease	User defined major release number. Min=0, Max=4294967295, Default=0
minorRelease	User defined minor release number. Min=0, Max=4294967295, Default=0
build	User defined build number. Min=0, Max=4294967295, Default=0
deviceCount	Read-only count of Devices.
locked	1 if the Disk is currently locked, 0 otherwise.

records
If successful, records retrieved.

Mcli-Get DiskInventory

Gets the fields for Inventory Status of a Disk Version or all Disk Versions for a Disk Locator.

-p
Parameters needed for the Get.
This required
diskLocatorId GUID of the Disk Locator to Get Disk Version Inventory of.
or this required & resolution
diskLocatorName Name of the Disk Locator to Get Disk Version Inventory of.
Optional
version Specific Version to Get.
One of these resolutions when needed
siteId GUID of the Site.
siteName Name of the Site.
One of these resolutions when needed
storeId GUID of the Store that is needed when a diskLocatorName is used.
storeName Name of the Store that is needed when a diskLocatorName is used.

-f
List of fields to retrieve, if not included, all fields are retrieved.
version Version number. The base disk is version 0, the other version numbers are in part of the file name.
serverId GUID of the Server that the Disk Version Inventory is being reported about.
serverName Name of the Server that the Disk Version Inventory is being reported about.
filePath Path used to access the disk version from the Server.
fileTime Date/Time of the date version file. Format is: YYYY-MM-DD HH:MM:SS.
propertiesTime Date/Time of the disk properties. Format is: YYYY-MM-DD HH:MM:SS.
state The number code of the inventory state. Values are: 0 (Up to date), 1 (version file is missing), 2 (version file is out of date), 3 (properties are missing), 4 (properties are out of date), 5 (server is not reachable).

records
If successful, records retrieved.

Mcli-Get DiskLocator

Gets the fields for a Disk Locator or all Disk Locators for a Device, Server, Store, Site, or Farm.

-p

Parameters needed for the Get.

One of these optional

diskLocatorId	GUID of the Disk Locator to Get.
deviceId	GUID of the Device to Get all DiskLocators for.
deviceName	Name of the Device to Get all DiskLocators for.
deviceMac	MAC of the Device to Get all DiskLocators for.
serverId	GUID of the Server to Get all DiskLocators for.
serverName	Name of the Server to Get all DiskLocators for.
updateTaskId	GUID of the Server to Get all DiskLocators for.
siteId	GUID of the Site to Get all DiskLocators for.
siteName	Name of the Site to Get all DiskLocators for.

One of these optional

single	Include single server connection when set to 1. If this and All are not included, both connection types are included.
all	Include all server connections for the store when set to 1. If this and Single are not included, both connection types are included.

or one of these optional & resolutions

diskLocatorName	Name of the Disk Locator File to Get.
storeId	GUID of the Store to Get all DiskLocators for.
storeName	Name of the Store to Get all DiskLocators for.
updateTaskName	Name of the Server to Get all DiskLocators for.

Optional

onlyActive	Include only the active DiskLocators when set to 1. If not included or set to 1, all DiskLocators are returned.
updateDevice	Include DiskLocators that have an Update Device when set to 1. Include DiskLocators that do not have an Update Device when set to 0. If this parameter is not included, then all DiskLocators are returned.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

diskLocatorName	Name of the Disk Locator File. It is unique within the Store. ASCII Max Length=64
description	User description. Default="" Max Length=250
menuText	Text that is displayed in the Bios Prompt auto-add. If this field has no value, the name value is used. Default="" ASCII Max Length=64

-f

List of fields to retrieve, if not included, all fields are retrieved.

diskLocatorId	Read-only GUID that uniquely identifies this Disk Locator. Length=36
diskLocatorName	Name of the Disk Locator File. It is unique within the Store. ASCII Max Length=64
siteId	GUID of the Site this DiskLocator is to be a member of. It is not used with siteName. Length=36
siteName	Name of the Site this DiskLocator is to be a member of. It is not used with siteId.
storeId	GUID of the Store that this Disk Locator is a member of. siteName or siteId must also be used. It is not used with storeName. Length=36
storeName	Name of the Store that this Disk Locator is a member of. siteName or siteId must also be used. It is not used with storeId.
description	User description. Default="" Max Length=250
menuText	Text that is displayed in the Bios Prompt auto-add. If this field has no value, the name value is used. Default="" ASCII Max Length=64
serverId	GUID of the single Server that this Disk Locator is assigned to. It is not used with serverName. Default=null Length=36
serverName	Name of the single Server that this Disk Locator is assigned to. It is not used with serverId. Default=null
enabled	1 when this disk can be booted, 0 otherwise. Default=1
role	Read-only Role of the user for this item. Expected values are 100, 200, 300 or 999.
mapped	1 if the Disk is currently mapped, 0 otherwise.
enabledForDevice	1 when this disk is enabled for the Device specified, 0 otherwise. This is only returned when a Device is specified.
active	1 if the Device is currently active, 0 otherwise.

rebalanceEnabled	1 when this Server can automatically rebalance Devices, 0 otherwise. Default=0
rebalanceTriggerPercent	Percent over fair load that triggers a dynamic Device rebalance. Min=5, Max=5000, Default=25
subnetAffinity	Qualifier for subnet affinity when assigning a Server. 0=None, 1=Best Effort, 2=Fixed. Min=0, Max=2, Default=0
diskUpdateDeviceId	GUID of the DiskUpdateDevice that is used when updates are performed. Default=null
diskUpdateDeviceName	Name of the DiskUpdateDevice that is used when updates are performed. Default=null

records

If successful, records retrieved.

Mcli-Get DiskLocatorCustomProperty

Get the DiskLocator Custom Property names and values.

-p

Parameters needed for the Get.

This required

diskLocatorId	GUID of the Disk Locator to Get Custom Properties.
---------------	--

or this required & resolution

diskLocatorName	Name of the Disk Locator File to Get Custom Properties.
-----------------	---

One of these resolutions when needed

siteId	GUID of the Site.
--------	-------------------

siteName	Name of the Site.
----------	-------------------

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
---------	--

storeName	Name of the Store that is needed when a diskLocatorName is used.
-----------	--

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

name	Name of the DiskLocator custom property. Max Length=250
------	--

-f

List of fields to retrieve, if not included, all fields are retrieved.

name	Name of the DiskLocator custom property. Max Length=250
------	--

value	Value of the DiskLocator custom property. Max Length=1000
-------	--

records

If successful, records retrieved.

Mcli-Get DiskLocatorLock

Gets the fields for all the locks of a Disk Locator.

storeName Name of the Store that is needed when a
diskLocatorName is used.

-s

Name of field to sort on. If not included, the first field listed is
used. Append a - to the field name to get descending order.

name Read-only Name of the Printer.
network 1 when the printer is networked, 0
otherwise.

-f

List of fields to retrieve, if not included, all fields are
retrieved.

name Read-only Name of the Printer.
network 1 when the printer is networked, 0
otherwise.

records

If successful, records retrieved.

Mcli-Get DiskUpdateDevice

Gets the fields and status for a Disk Update Device, or all Disk
Update Devices for a Site, Server, DiskLocator or Farm.

-p

Parameters needed for the Get.

One of these optional

deviceId GUID of the Disk Update Device to Get.
deviceName Name of Disk Update Device to Get.
deviceMac MAC of the Disk Update Device to Get.
serverId GUID of the Server to Get all Disk Update
Devices for.
serverName Name of the Server to Get all Disk Update
Devices for.
diskLocatorId GUID of the DiskLocator to Get the Disk
Update Device for.
updateTaskId GUID of the Update Task to Get all Disk
Update Devices for.
siteId GUID of the Site.
siteName Name of the Site.

or one of these optional & resolutions

diskLocatorName Name of the DiskLocator to Get the Disk
Update Device for.
updateTaskName Name of the Update Task to Get all Disk
Update Devices for.

Optional

onlyActive Include only the active Disk Update
Devices when set to 1. If not included or
set to 1, all Disk Update Devices are
returned. Only active Disk Update Devices
are always returned for serverId or
serverName.

makLicenseActivated Optional MAK licensing indicator value to
only return active Disk Update Devices
for. Values are: 0 (MAK not used), 1 (Not
Activated), 2 (Activated).

One of these resolutions when needed

siteId GUID of the Site.
siteName Name of the Site.

One of these resolutions when needed

storeId GUID of the Store that is needed when a
 diskLocatorName is used.
storeName Name of the Store that is needed when a
 diskLocatorName is used.

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

deviceName Computer name with no spaces. ASCII
 computer name characters Max Length=15
virtualHostingPoolName Name of the Virtual Hosting Pool.
diskLocatorName Name of the Disk Locator File to update
 with this Device.
description User description. Default="" Max
 Length=250
deviceMac Ethernet address as a string in the form
 XX-XX-XX-XX-XX-XX. Uniquely identifies
 the Device. Length=17
port UDP port to use with Stream Service.
 Min=1025, Max=65534, Default=6901

-f

List of fields to retrieve, if not included, all fields are retrieved.

deviceId Read-only GUID that uniquely identifies
 this Device. Length=36
deviceName Computer name with no spaces. ASCII
 computer name characters Max Length=15
virtualHostingPoolId GUID of the Virtual Hosting Pool. It is
 not used with virtualHostingPoolName.
 Default=null Length=36
virtualHostingPoolName Name of the Virtual Hosting Pool.
diskLocatorId GUID of the Disk Locator to update with
 this Device.
diskLocatorName Name of the Disk Locator File to update
 with this Device.
siteId GUID of the Site this Disk Update Device
 is to be a member of.
siteName Name of the Site this Disk Update Device
 is to be a member of.
storeId GUID of the Store that the Disk Locator
 is a member of.
storeName Name of the Store that the Disk Locator
 is a member of.
description User description. Default="" Max
 Length=250
deviceMac Ethernet address as a string in the form
 XX-XX-XX-XX-XX-XX. Uniquely identifies
 the Device. Length=17
port UDP port to use with Stream Service.
 Min=1025, Max=65534, Default=6901
active 1 if the Device is currently active, 0
 otherwise.

adTimestamp	The time the Active Directory machine account password as generated. Default=0
adSignature	The signature of the Active Directory machine account password. Default=0
logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=0
domainName	Fully qualified name of the domain that the Device belongs to. Default=null Max Length=255
domainObjectSID	The value of the objectSID AD attribute of the same name for the Device's computer account. Default=null Max Length=186
domainControllerName	The name of the DC used to create the host's computer account. Default=null Max Length=4000
domainTimeCreated	The time that the computer account was created. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=null
ip	Read-only IP of the Device.
serverPortConnection	Read-only Port of the Server that the Device is using.
serverIpConnection	Read-only IP of the Server that the Device is using.
serverId	Read-only GUID of the Server that the Device is using.
serverName	Read-only Name of the Server that the Device is using.
diskVersion	Read-only version of the Disk Locator File that the Device is using.
status	1 or 2 numbers in the format n,n. They are the number of retries and if ram cache is being used, ramcache percent used.
licenseType	0 when None, 1 for Desktop, 2 for Server, 5 for OEM SmartClient, 6 for XenApp, 7 for XenDesktop.
makLicenseActivated	Read-only indicator if MAK licensing is being used and is activated. Values are: 0 (MAK not used), 1 (Not Activated), 2 (Activated).
model	Oem Only: Read-only model of the computer. Values are OptiPlex 745, 755, 320, 760, FX160, or Default.
license	Oem Only: Read-only type of the license. Values are 0 when None, 1 or 2 when Desktop.

records

If successful, records retrieved.

Mcli-Get DiskUpdateStatus

Gets the status of an Update Task, or all Update Tasks for a Site or Farm.

-p

Parameters needed for the Get.

One of these optional

updateTaskId	GUID of the Update Task to Get.
deviceId	GUID of the Disk Update Device to Get Disk Update Status for.
deviceName	Name of the Disk Update Device to Get Disk Update Status for.
deviceMac	MAC of the Disk Update Device to Get Disk Update Status for.
diskUpdateTaskId	GUID of the Disk Update Task and Device relationship to Get Disk Update Status for.
siteId	GUID of the Site to Get all Update Tasks for. Also used with updateTaskName.
siteName	Name of the Site to Get all Update Tasks for. Also used with updateTaskName.

or this optional & resolution

updateTaskName	Name of the Update Task to Get.
----------------	---------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

updateTaskName	Name of the Update Task.
description	User description of the Update Task.
diskLocatorName	Name of the Disk Locator File to update.
virtualHostingPoolName	Name of the Virtual Hosting Pool being used for the update.
deviceName	Name of the Device being used to do the update.

-f

List of fields to retrieve, if not included, all fields are retrieved.

diskUpdateTaskId	GUID that uniquely identifies this Update Task and Device relationship. Length=36
updateTaskId	GUID that uniquely identifies the Update Task. Length=36
updateTaskName	Name of the Update Task.
description	User description of the Update Task.
diskLocatorId	GUID of the Disk Locator to update.
diskLocatorName	Name of the Disk Locator File to update.
virtualHostingPoolId	GUID of the Virtual Hosting Pool being used for the update.
virtualHostingPoolName	Name of the Virtual Hosting Pool being used for the update.
deviceId	GUID that Device being used to do the update.
deviceName	Name of the Device being used to do the update.
siteId	GUID of the Site that this Update Task Name is a member of.

siteName	Name of the Site that this Update Task Name is a member of.
storeId	GUID of the Store that the Disk Locator is a member of.
storeName	Name of the Store that the Disk Locator is a member of.
previousResult	Status of the last run. Values are: 0 (Ready), 1 (Update Pending), 2 (Preparing Image), 3 (Starting VM), 4 (Update In Progress), 5 (Stopping VM), 6 (Submitting Image), 7 (Reverting Image), 8 (Invalid), 9 (Aborted), 10 (Completed successfully) Min=0, Max=10, Default=0
previousResultMessage	Message string that includes the results of the last run. Default="" Max Length=255
currentStatus	Current status of the update. Values are: 0 (Ready), 1 (Update Pending), 2 (Preparing Image), 3 (Starting VM), 4 (Update In Progress), 5 (Stopping VM), 6 (Submitting Image), 7 (Reverting Image), 8 (Invalid), 9 (Aborted), 10 (Completed successfully) Min=0, Max=10, Default=0
currentStatusMessage	Message string that includes the results of the run. Default="" Max Length=255

records

If successful, records retrieved.

Mcli-Get DiskVersion

Gets the fields for a Disk Version or all Disk Versions for a Disk Locator.

-p

Parameters needed for the Get.

This required

diskLocatorId	GUID of the Disk Locator to Get Disk Versions of.
---------------	---

or this required & resolution

diskLocatorName	Name of the Disk Locator to Get Disk Versions of.
-----------------	---

One of these optional

version	Specific Version to Get.
type	When set to 1, get the Maintenance or MaintenanceHighestVersion access version if it exists. When set to 2, get the Test access versions if any exist. When set to 3, get the Override access version if it exists.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
---------	--

storeName Name of the Store that is needed when a diskLocatorName is used.

-s
Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

version Read-only version number. The base disk is version 0, the other version numbers are in part of the file name. Default=0

-f
List of fields to retrieve, if not included, all fields are retrieved.

version Read-only version number. The base disk is version 0, the other version numbers are in part of the file name. Default=0

description User description. Default="" Max Length=250

type Read-only type of the Disk Version. Values are: 0 (Base), 1 (Manual), 2 (Automatic), 3 (Merge), and 4 (MergeBase) Min=0, Max=4, Default=0

createDate Read-only Date/Time that the Disk Version was created. Default=getdate

scheduledDate Date/Time that the Disk Version is scheduled to become available. Format is: YYYY-MM-DD HH:MM. When empty, the disk version is made available immediately. Default=null

deleteWhenFree Read-only 1 if the Disk Version is no longer needed because of a merge. If not current booted by a Device, it can be deleted. Default=0

access Read-only access of the Disk Version. Values are: 0 (Production), 1 (Maintenance), 2 (MaintenanceHighestVersion), 3 (Override), 4 (Merge), 5 (MergeMaintenance), 6 (MergeTest), and 7 (Test) Min=0, Max=7, Default=0

diskFileName Name of the Disk File including the extension. Default=null

deviceCount Read-only count of Devices.

goodInventoryStatus 1 when the up to date file is accessible by all Servers, 0 otherwise.

taskId When a Merge is occurring, this will be set with the task number of the process that is occurring. Default=null

canDelete Read-only 1 when the version can be deleted.

canMerge Read-only 1 when the version can be update merged. Will be set fore the highest version number.

canMergeBase Read-only 1 when the version can be base merged. Will be set fore the highest version number.

canPromote	Read-only 1 when the version can be promoted.
canRevertTest	Read-only 1 when the version can be reverted to Test Access.
canRevertMaintenance	Read-only 1 when the version can be reverted to Maintenance Access.
canSetScheduledDate	Read-only 1 when the version can have the scheduled date modified.
canOverride	Read-only 1 when the version can be set as the Override.
isPending	Read-only 1 when the version scheduledDate has not occurred.

records

If successful, records retrieved.

Mcli-Get ExceptionDescriptions

Returns all of the exceptions with description.

-p

Parameters needed for the Get.

Optional

Culture	Optional culture to use for the exception descriptions returned.
---------	--

records

If successful, records retrieved.

Mcli-Get Farm

Gets the fields for the Farm.

-p

Parameters needed for the Get.

Optional

farmId	GUID of the Farm to Get. This is optional since there is only one Farm.
--------	---

-f

List of fields to retrieve, if not included, all fields are retrieved.

farmId	Read-only GUID that uniquely identifies this Farm. Length=36
farmName	Name of the Farm. Default="" Max Length=50
description	User description. Default="" Max Length=250
autoAddEnabled	1 when Auto Add is enabled, 0 otherwise. Default=0
auditingEnabled	1 when Auditing is enabled, 0 otherwise. Default=0
lastAuditArchiveDate	Last date of Audit Trail data that was Archived. Format is yyyy/mm/dd Default=null

defaultSiteId	GUID of the Site to place new Devices into automatically. Not used with defaultSiteName. Default=null Length=36
defaultSiteName	Name of the Site to place new Devices into automatically. Not used with defaultSiteId. Default=null
offlineDatabaseSupportEnabled	1 when Offline Database Support is enabled, 0 otherwise. Default=0
adGroupsEnabled	Active Directory groups are used for authorization, when set to 1. Windows groups are used when set to 0. Default=0
licenseServer	License server name. Default="" Max Length=255
licenseServerPort	License server port. Min=1025, Max=65534, Default=27000
automaticMergeEnabled	1 when Automatic Merge is enabled, 0 otherwise. If the number of versions becomes more than the maxVersions value, a merge will occur at the end of PromoteDiskVersion. Default=1
maxVersions	Maximum number a versions of a Disk that can exist before a merge will automatically occur. Min=3, Max=50, Default=5
mergeMode	Mode to place the version in after an automatic merge has occurred. Values are: 0 (Production), 1 (Test) and 2 (Maintenance). Min=0, Max=2, Default=2
databaseServerName	Read-only name of the database server.
databaseInstanceName	Read-only name of the database instance.
databaseName	Read-only name of the database.
failoverPartnerServerName	Read-only name of the database server.
failoverPartnerInstanceName	Read-only name of the database server instance.
role	Read-only Role of the user for this item. Expected values are 100 or 999.

records

If successful, records retrieved.

Mcli-Get FarmView

Gets the fields for a Farm View or all Farm Views in the Farm.

-p

Parameters needed for the Get.

One of these optional

farmViewId	GUID of the Farm View to Get.
farmViewName	Name of the Farm View to Get.

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

farmViewName	name of the Farm View. Max Length=50
description	User description. Default="" Max Length=250

deviceCount	Read-only count of Devices in this Farm View.
activeDeviceCount	Read-only count of active Devices in this Farm View.

-f

List of fields to retrieve, if not included, all fields are retrieved.

farmViewId	Read-only GUID that uniquely identifies this Farm View. Length=36
farmViewName	name of the Farm View. Max Length=50
description	User description. Default="" Max Length=250
deviceCount	Read-only count of Devices in this Farm View.
activeDeviceCount	Read-only count of active Devices in this Farm View.
makActivateNeededCount	Read-only count of active Devices that need MAK activation in this Farm View.

records

If successful, records retrieved.

Mcli-Get Groups

Gets all of the available groups.

-p

Parameters needed for the Get.

This optional

name	Name of the Group(s) to retrieve. Wildcards are allowed when searching for Active Directory groups. For example, "user*" will return YOUR_DOMAIN/BUILTIN/Users, and "*" will return all the Active Directory groups available.
------	--

-f

List of fields to retrieve, if not included, all fields are retrieved.

name	Name of the Group.
------	--------------------

records

If successful, records retrieved.

Mcli-Get NewVersionDisks

Get new Disk versions for the Store on the Server specified.

-p

Parameters needed for the Get.

One of these required

serverId	GUID of the Server to look for new Disk versions.
serverName	Name of the Server to look for new Disk versions.

One of these required

storeId	GUID of the Store that the Server services to look for new Disk versions.
storeName	Name of the Store that the Server services to look for new Disk versions.

Optional

autoAddEnabled	1 when undefined Disk versions found should be automatically added, 0 otherwise. Default=0
----------------	--

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

name	Name of the disk file without the extension.
------	--

-f

List of fields to retrieve, if not included, all fields are retrieved.

name	Name of the disk file without the extension.
status	Status of the disk file. Values are: 0 (Valid), 1 (Missing Properties File), 2 (Access Denied), 3 (Access Denied and Missing Properties File), 4 (Invalid Disk File), 5 (Manifest Invalid)

records

If successful, records retrieved.

Mcli-Get Server

Gets the fields for a Server, all Servers in a Site that use a Store, service a DiskLocator, or for the whole Farm.

-p

Parameters needed for the Get.

One of these optional

serverId	GUID of the Server to Get.
serverName	Name of the Server to Get.
diskLocatorId	GUID of the Disk Locator to Get all Servers.
siteId	GUID of the Site to Get all Servers.
siteName	Name of the Site to Get all Servers.

or this optional & resolution

diskLocatorName	Name of the Disk Locator File to Get all Servers.
-----------------	---

One of these optional & resolutions

storeId	GUID of the Store to Get all Servers.
storeName	Name of the Store to Get all Servers.

Optional

all	Set to 1 with storeId or storeName to Get all Servers for the Store including ones with invalid paths.
-----	--

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

serverName	Computer name with no spaces. ASCII computer name characters Max Length=21
description	User description. Default="" Max Length=250
adMaxPasswordAge	Number of days before a password expires. Min=1, Max=30, Default=7
licenseTimeout	Amount of time before a license times out. Min=15, Max=300, Default=30
vDiskCreatePacing	VDisk create time pacing. Min=0, Max=5, Default=0
firstPort	Number of the first UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6910
lastPort	Number of the last UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6930
threadsPerPort	Number of worker threads per IO port. Required that (threadPerPort * numberPorts * numberIPs) <= 1000. Min=1, Max=60, Default=8
buffersPerThread	Number of buffers per worker thread. Min=1, Max=128, Default=24
serverCacheTimeout	Number of seconds to wait before considering another Server is down. Min=5, Max=60, Default=8
ioBurstSize	Number of bytes read/writes can send in a burst of packets. Required that ioBurstSize/(maxTransmissionUnits-76)<=32. Min=4096, Max=61440, Default=32768
maxTransmissionUnits	Ethernet maximum transmission unit size for the protocol for use for Server and Device. Required that ioBurstSize/(maxTransmissionUnits-76)<=32. Min=502, Max=16426, Default=1506
maxBootDevicesAllowed	Maximum number of Devices allowed to boot simultaneously. Min=1, Max=1000, Default=500
maxBootSeconds	Maximum number of seconds for a Device to boot. Min=10, Max=900, Default=60
bootPauseSeconds	Number of seconds that a Device will pause during login if its server busy. Min=1, Max=60, Default=10
autoUpdateHour	The hour of the day to perform the Auto-Update. Min=0, Max=23, Default=0

autoUpdateMinute	The minute of the hour to perform the Auto-Update. Min=0, Max=59, Default=0
adMaxPasswordAgeEnabled	Age the password, when set to 1. Default=0

-f

List of fields to retrieve, if not included, all fields are retrieved.

serverId	Read-only GUID that uniquely identifies this Server. Length=36
serverName	Computer name with no spaces. ASCII computer name characters Max Length=21
siteId	GUID of the Site this Server is to be a member of. It is not used with siteName. Length=36
siteName	Name of the Site this Server is to be a member of. It is not used with siteId.
description	User description. Default="" Max Length=250
adMaxPasswordAge	Number of days before a password expires. Min=1, Max=30, Default=7
licenseTimeout	Amount of time before a license times out. Min=15, Max=300, Default=30
vDiskCreatePacing	VDisk create time pacing. Min=0, Max=5, Default=0
firstPort	Number of the first UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6910
lastPort	Number of the last UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6930
threadsPerPort	Number of worker threads per IO port. Required that (threadPerPort * numberPorts * numberIPs) <= 1000. Min=1, Max=60, Default=8
buffersPerThread	Number of buffers per worker thread. Min=1, Max=128, Default=24
serverCacheTimeout	Number of seconds to wait before considering another Server is down. Min=5, Max=60, Default=8
ioBurstSize	Number of bytes read/writes can send in a burst of packets. Required that ioBurstSize/(maxTransmissionUnits-76)<=32. Min=4096, Max=61440, Default=32768
maxTransmissionUnits	Ethernet maximum transmission unit size for the protocol for use for Server and Device. Required that ioBurstSize/(maxTransmissionUnits-76)<=32. Min=502, Max=16426, Default=1506
maxBootDevicesAllowed	Maximum number of Devices allowed to boot simultaneously. Min=1, Max=1000, Default=500
maxBootSeconds	Maximum number of seconds for a Device to boot. Min=10, Max=900, Default=60

bootPauseSeconds	Number of seconds that a Device will pause during login if its server busy. Min=1, Max=60, Default=10
autoUpdateHour	The hour of the day to perform the Auto-Update. Min=0, Max=23, Default=0
autoUpdateMinute	The minute of the hour to perform the Auto-Update. Min=0, Max=59, Default=0
adMaxPasswordAgeEnabled	Age the password, when set to 1. Default=0
eventLoggingEnabled	Enable event logging, when set to 1. Default=0
nonBlockingIoEnabled	Use non-Blocking IO, when set to 1. Default=1
autoUpdateEnabled	1 if the Auto-Update feature is enabled, 0 otherwise. Default=0
role	Read-only Role of the user for this item. Expected values are 100 or 200.
ip	One or more ip addresses. If more than one ip is included, the ip addresses are comma delimited.
initialQueryConnectionPoolSize	Initial size of database connection pool for non-transactional queries. Min=1, Max=1000, Default=50
initialTransactionConnectionPoolSize	Initial size of database connection pool for transactional queries. Min=1, Max=1000, Default=50
maxQueryConnectionPoolSize	Maximum size of database connection pool for non-transactional queries. Min=1, Max=32767, Default=1000
maxTransactionConnectionPoolSize	Maximum size of database connection pool for transactional queries. Min=1, Max=32767, Default=1000
refreshInterval	Interval, in number of seconds, the server should wait before refreshing settings. Min=0, Max=32767, Default=300
unusedDbConnectionTimeout	Interval, in number of seconds, the server should wait before releasing an unused database connection. If set to 0, unused database connections are never released. Min=0, Max=32767, Default=300
busyDbConnectionRetryCount	Number of times a failed database connection will be retried. Min=0, Max=32767, Default=2
busyDbConnectionRetryInterval	Interval, in number of milliseconds, the server should wait before retrying to connect to a database. Min=0, Max=10000, Default=25
localConcurrentIoLimit	Maximum concurrent IO transactions it performs for vDisks that are local. A value of 0 disables the feature. Min=0, Max=128, Default=4
remoteConcurrentIoLimit	Maximum concurrent IO transactions it performs for vDisks that are remote. A value of 0 disables the feature. Min=0, Max=128, Default=4
ramDiskIpAddress	IP address to use for transferring the RAM Disk. When equal to 0.0.0.0 the

	server IP is used with the first part replaced with 233. Default=0.0.0.0
ramDiskTimeToLive	Time to live for the invitation packet sent to Devices. Min=1, Max=255, Default=1
ramDiskInvitationType	Either 0 for Fixed, or 1 for Variable. Default=0
ramDiskInvitationPeriod	The amount of time in seconds that invitations are sent to Devices. Min=1, Max=300, Default=10
active	1 if the Server is currently active, 2 if unknown, and 0 otherwise.
logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=4
logFileSizeMax	Maximum size log files can reach in Megabytes. Min=1, Max=50, Default=5
logFileBackupCopiesMax	Maximum number of log file backups. Min=1, Max=50, Default=4
powerRating	A strictly relative rating of this Server's capabilities when compared to other Servers in the Store(s) it belongs too; can be used to help tune load balancing. Min=0.1, Max=1000, Default=1
serverFqdn	Read-only fully qualified domain name. Default=null Max Length=1024

records

If successful, records retrieved.

Mcli-Get ServerBiosBootstrap

Oem Only: Gets the bootstrap fields for the Server dell_bios.bin BIOS bootstrap file.

-p

Parameters needed for the Get.

One of these required

serverId	GUID of the Server to Get the dell_bios.bin BIOS bootstrap file from.
serverName	Name of the Server to Get the dell_bios.bin BIOS bootstrap file from.

-f

List of fields to retrieve, if not included, all fields are retrieved.

enabled	Automatically update the BIOS on the target device with these setting when set to 1, otherwise do not use these settings. Default=0
dhcpEnabled	Use DHCP to retrieve target device IP when set to 1, otherwise use the static domain, dnsIpAddress1 and dnsIpAddress2 settings. Default=1
lookup	Use DNS to find the Server when set to 1 with the serverName host value, otherwise

use the bootserver1_Ip, bootserver1_Port, bootserver2_Ip, bootserver2_Port, bootserver3_Ip, bootserver3_Port, bootserver4_Ip, and bootserver4_Port settings. Default=1

verboseMode Display verbose diagnostic information when set to 1. Default=0

interruptSafeMode Interrupt safe mode (use if target device hangs during boot) when set to 1. Default=0

paeMode PAE mode (use if PAE enabled in boot.ini of target device) when set to 1. Default=0

bootFromHdOnFail For network recovery reboot to hard drive when set to 1, restore network connection when set to 0. Default=0

recoveryTime When bootFromHdOnFail is 1, this is the number of seconds to wait before reboot to hard drive. Min=10, Max=60000, Default=50

pollingTimeout Login polling timeout in milliseconds. Min=1000, Max=60000, Default=5000.

generalTimeout Login general timeout in milliseconds. Min=1000, Max=60000, Default=5000.

serverName Host to use for DNS lookup. Only used when lookup is 1. Default=IMAGESERVER1

bootserver1_Ip 1st boot server IP. Only used when lookup is 0.

bootserver1_Port 1st boot server port. Only used when lookup is 0. Min=1025, Max=65536, Default=6910

bootserver2_Ip 2nd boot server IP. Only used when lookup is 0. Default=0.0.0.0

bootserver2_Port 2nd boot server port. Only used when lookup is 0. Min=1025, Max=65536, Default=6910

bootserver3_Ip 3rd boot server IP. Only used when lookup is 0. Default=0.0.0.0

bootserver3_Port 3rd boot server port. Only used when lookup is 0. Min=1025, Max=65536, Default=6910

bootserver4_Ip 4th boot server IP. Only used when lookup is 0. Default=0.0.0.0

bootserver4_Port 4th boot server port. Only used when lookup is 0. Min=1025, Max=65536, Default=6910

domain Domain of the primary and secondary DNS servers. Only used when dhcpEnabled is 0.

dnsIpAddress1 Primary DNS server IP. Only used when dhcpEnabled is 0.

dnsIpAddress2 Secondary DNS server IP. Only used when dhcpEnabled is 0.

records
 If successful, records retrieved.

Mcli-Get ServerBootstrap

Gets the bootstrap fields for the Server and named bootstrap file specified.

-p

Parameters needed for the Get.

One of these required

serverId	GUID of the Server to Get the named bootstrap file from.
serverName	Name of the Server to Get the named bootstrap file from.

This required

name	Name of the bootstrap file.
------	-----------------------------

-f

List of fields to retrieve, if not included, all fields are retrieved.

bootserver1_Ip	1st boot server IP.
bootserver1_Netmask	1st boot server netmask. Default=0.0.0.0
bootserver1_Gateway	1st boot server gateway. Default=0.0.0.0
bootserver1_Port	1st boot server port. Min=1025, Max=65536, Default=6910
bootserver2_Ip	2nd boot server IP. Default=0.0.0.0
bootserver2_Netmask	2nd boot server netmask. Default=0.0.0.0
bootserver2_Gateway	2nd boot server gateway. Default=0.0.0.0
bootserver2_Port	2nd boot server port. Min=1025, Max=65536, Default=6910
bootserver3_Ip	3rd boot server IP. Default=0.0.0.0
bootserver3_Netmask	3rd boot server netmask. Default=0.0.0.0
bootserver3_Gateway	3rd boot server gateway. Default=0.0.0.0
bootserver3_Port	3rd boot server port. Min=1025, Max=65536, Default=6910
bootserver4_Ip	4th boot server IP. Default=0.0.0.0
bootserver4_Netmask	4th boot server netmask. Default=0.0.0.0
bootserver4_Gateway	4th boot server gateway. Default=0.0.0.0
bootserver4_Port	4th boot server port. Min=1025, Max=65536, Default=6910
verboseMode	Display verbose diagnostic information when set to 1. Default=0
interruptSafeMode	Interrupt safe mode (use if target device hangs during boot) when set to 1. Default=0
paeMode	PAE mode (use if PAE enabled in boot.ini of target device) when set to 1. Default=0
bootFromHdOnFail	For network recovery reboot to hard drive when set to 1, restore network connection when set to 0. Default=0
recoveryTime	When bootFromHdOnFail is 1, this is the number of seconds to wait before reboot to hard drive. Min=10, Max=60000, Default=50
pollingTimeout	Login polling timeout in milliseconds. Min=1000, Max=60000, Default=5000.
generalTimeout	Login general timeout in milliseconds. Min=1000, Max=60000, Default=5000.

records
If successful, records retrieved.

Mcli-Get ServerBootstrapNames

Gets the bootstrap names for a Server.

-p
Parameters needed for the Get.
One of these required

serverId	GUID of the Server to Get bootstrap names for.
serverName	Name of the Server to Get bootstrap names for.

-f
List of fields to retrieve, if not included, all fields are retrieved.

name	Bootstrap file name.
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records
If successful, records retrieved.

Mcli-Get ServerCustomProperty

Get the Server Custom Property names and values.

-p
Parameters needed for the Get.
One of these required

serverId	GUID of the Server.
serverName	Name of the Server.

-s
Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

name	Name of the Server custom property. Max Length=250
------	--

-f
List of fields to retrieve, if not included, all fields are retrieved.

name	Name of the Server custom property. Max Length=250
value	Value of the Server custom property. Max Length=1000

records
If successful, records retrieved.

Mcli-Get ServerInfo

Gets the fields and status for a Server, all Servers in a Site that use a Store, service a DiskLocator, or for the whole Farm.

-p
Parameters needed for the Get.

One of these optional

serverId	GUID of the Server to Get.
serverName	Name of the Server to Get.
diskLocatorId	GUID of the Disk Locator to Get all Servers.
siteId	GUID of the Site to Get all Servers.
siteName	Name of the Site to Get all Servers.

or this optional & resolution

diskLocatorName	Name of the Disk Locator File to Get all Servers.
-----------------	---

One of these optional & resolutions

storeId	GUID of the Store to Get all Servers.
storeName	Name of the Store to Get all Servers.

Optional

all	Set to 1 with storeId or storeName to Get all Servers for the Store including ones with invalid paths.
-----	--

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

serverName	Computer name with no spaces. ASCII computer name characters Max Length=21
description	User description. Default="" Max Length=250
adMaxPasswordAge	Number of days before a password expires. Min=1, Max=30, Default=7
licenseTimeout	Amount of time before a license times out. Min=15, Max=300, Default=30
vDiskCreatePacing	VDisk create time pacing. Min=0, Max=5, Default=0
firstPort	Number of the first UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6910
lastPort	Number of the last UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6930
threadsPerPort	Number of worker threads per IO port. Required that (threadPerPort * numberPorts * numberIPs) <= 1000. Min=1, Max=60, Default=8
buffersPerThread	Number of buffers per worker thread. Min=1, Max=128, Default=24
serverCacheTimeout	Number of seconds to wait before considering another Server is down. Min=5, Max=60, Default=8

ioBurstSize	Number of bytes read/writes can send in a burst of packets. Required that $ioBurstSize / (maxTransmissionUnits - 76) \leq 32$. Min=4096, Max=61440, Default=32768
maxTransmissionUnits	Ethernet maximum transmission unit size for the protocol for use for Server and Device. Required that $ioBurstSize / (maxTransmissionUnits - 76) \leq 32$. Min=502, Max=16426, Default=1506
maxBootDevicesAllowed	Maximum number of Devices allowed to boot simultaneously. Min=1, Max=1000, Default=500
maxBootSeconds	Maximum number of seconds for a Device to boot. Min=10, Max=900, Default=60
bootPauseSeconds	Number of seconds that a Device will pause during login if its server busy. Min=1, Max=60, Default=10
autoUpdateHour	The hour of the day to perform the Auto-Update. Min=0, Max=23, Default=0
autoUpdateMinute	The minute of the hour to perform the Auto-Update. Min=0, Max=59, Default=0
adMaxPasswordAgeEnabled	Age the password, when set to 1. Default=0

-f
List of fields to retrieve, if not included, all fields are retrieved.

serverId	Read-only GUID that uniquely identifies this Server. Length=36
serverName	Computer name with no spaces. ASCII computer name characters Max Length=21
siteId	GUID of the Site this Server is to be a member of. It is not used with siteName. Length=36
siteName	Name of the Site this Server is to be a member of. It is not used with siteId.
description	User description. Default="" Max Length=250
adMaxPasswordAge	Number of days before a password expires. Min=1, Max=30, Default=7
licenseTimeout	Amount of time before a license times out. Min=15, Max=300, Default=30
vDiskCreatePacing	VDisk create time pacing. Min=0, Max=5, Default=0
firstPort	Number of the first UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6910
lastPort	Number of the last UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6930
threadsPerPort	Number of worker threads per IO port. Required that $(threadPerPort * numberPorts * numberIPs) \leq 1000$. Min=1, Max=60, Default=8

buffersPerThread	Number of buffers per worker thread. Min=1, Max=128, Default=24
serverCacheTimeout	Number of seconds to wait before considering another Server is down. Min=5, Max=60, Default=8
ioBurstSize	Number of bytes read/writes can send in a burst of packets. Required that ioBurstSize/(maxTransmissionUnits- 76)<=32. Min=4096, Max=61440, Default=32768
maxTransmissionUnits	Ethernet maximum transmission unit size for the protocol for use for Server and Device. Required that ioBurstSize/(maxTransmissionUnits- 76)<=32. Min=502, Max=16426, Default=1506
maxBootDevicesAllowed	Maximum number of Devices allowed to boot simultaneously. Min=1, Max=1000, Default=500
maxBootSeconds	Maximum number of seconds for a Device to boot. Min=10, Max=900, Default=60
bootPauseSeconds	Number of seconds that a Device will pause during login if its server busy. Min=1, Max=60, Default=10
autoUpdateHour	The hour of the day to perform the Auto- Update. Min=0, Max=23, Default=0
autoUpdateMinute	The minute of the hour to perform the Auto-Update. Min=0, Max=59, Default=0
adMaxPasswordAgeEnabled	Age the password, when set to 1. Default=0
eventLoggingEnabled	Enable event logging, when set to 1. Default=0
nonBlockingIoEnabled	Use non-Blocking IO, when set to 1. Default=1
autoUpdateEnabled	1 if the Auto-Update feature is enabled, 0 otherwise. Default=0
role	Read-only Role of the user for this item. Expected values are 100 or 200.
ip	One or more ip addresses. If more than one ip is included, the ip addresses are comma delimited.
initialQueryConnectionPoolSize	Initial size of database connection pool for non-transactional queries. Min=1, Max=1000, Default=50
initialTransactionConnectionPoolSize	Initial size of database connection pool for transactional queries. Min=1, Max=1000, Default=50
maxQueryConnectionPoolSize	Maximum size of database connection pool for non-transactional queries. Min=1, Max=32767, Default=1000
maxTransactionConnectionPoolSize	Maximum size of database connection pool for transactional queries. Min=1, Max=32767, Default=1000
refreshInterval	Interval, in number of seconds, the server should wait before refreshing settings. Min=0, Max=32767, Default=300
unusedDbConnectionTimeout	Interval, in number of seconds, the server should wait before releasing an

unused database connection. If set to 0, unused database connections are never released. Min=0, Max=32767, Default=300

busyDbConnectionRetryCount Number of times a failed database connection will be retried. Min=0, Max=32767, Default=2

busyDbConnectionRetryInterval Interval, in number of milliseconds, the server should wait before retrying to connect to a database. Min=0, Max=10000, Default=25

localConcurrentIoLimit Maximum concurrent IO transactions it performs for vDisks that are local. A value of 0 disables the feature. Min=0, Max=128, Default=4

remoteConcurrentIoLimit Maximum concurrent IO transactions it performs for vDisks that are remote. A value of 0 disables the feature. Min=0, Max=128, Default=4

ramDiskIpAddress IP address to use for transferring the RAM Disk. When equal to 0.0.0.0 the server IP is used with the first part replaced with 233. Default=0.0.0.0

ramDiskTimeToLive Time to live for the invitation packet sent to Devices. Min=1, Max=255, Default=1

ramDiskInvitationType Either 0 for Fixed, or 1 for Variable. Default=0

ramDiskInvitationPeriod The amount of time in seconds that invitations are sent to Devices. Min=1, Max=300, Default=10

active 1 if the Server is currently active, 2 if unknown, and 0 otherwise.

logLevel Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=4

logFileSizeMax Maximum size log files can reach in Megabytes. Min=1, Max=50, Default=5

logFileBackupCopiesMax Maximum number of log file backups. Min=1, Max=50, Default=4

powerRating A strictly relative rating of this Server's capabilities when compared to other Servers in the Store(s) it belongs too; can be used to help tune load balancing. Min=0.1, Max=1000, Default=1

serverFqdn Read-only fully qualified domain name. Default=null Max Length=1024

contactIp Read-only contact IP for the Server.

contactPort Read-only contact port for the Server.

deviceCount Read-only count of Devices.

records

If successful, records retrieved.

Mcli-Get ServerStatus

Gets the Server Status fields for a Server.

-p
Parameters needed for the Get.
One of these required

serverId	GUID of the Server to Get status for.
serverName	Name of Server to Get status for.

-f
List of fields to retrieve, if not included, all fields are retrieved.

serverId	Read-only GUID of the Server. Can be used with Get Server. Length=36
serverName	Read-only Name of the Server. Can be used with Get Server.
ip	Read-only contact IP for the Server.
port	Read-only contact port for the Server.
deviceCount	Read-only count of Devices. Default=0
status	Status of the server, 0 if down, 1 if up and 2 if unknown.

records
If successful, records retrieved.

Mcli-Get ServerStore

Get the directory and cache paths of a Server for one or all Stores.

-p
Parameters needed for the Get.
One of these required

serverId	GUID of a Server.
serverName	Name of a Server.

One of these optional

storeId	GUID of the Store.
storeName	Name of the Store.

-f
List of fields to retrieve, if not included, all fields are retrieved.

storeId	GUID of the Store. storeName can be used instead. Length=36
storeName	Name of the Store. storeId can be used instead.
serverId	GUID of the server that uses the Store. serverName can be used instead. Length=36
serverName	Name of the server that uses the Store. serverId can be used instead.
path	Directory path that the Server uses to access the Store. Default="" Max Length=255
cachePath	Cache path(s) that the Server uses with the Store. It is an ordered comma-delimited list.

records
If successful, records retrieved.

Mcli-Get Site

Gets the fields for a Site or all Sites.

-p

Parameters needed for the Get.

One of these optional

siteId	GUID of the Site to Get.
siteName	Name of the Site to Get.

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

siteName	Name of the Site. Max Length=50
description	User description. Default="" Max Length=250

-f

List of fields to retrieve, if not included, all fields are retrieved.

siteId	Read-only GUID that uniquely identifies this Site. Length=36
siteName	Name of the Site. Max Length=50
description	User description. Default="" Max Length=250
defaultCollectionId	GUID of the Collection to place new Devices into automatically. Not used with defaultCollectionName. Default=null Length=36
defaultCollectionName	Name of the Collection to place new Devices into automatically. Not used with defaultCollectionId. Default=null
inventoryFilePollingInterval	The number of seconds between polls for Disk changes in the Stores. Min=1, Max=600, Default=60
enableDiskUpdate	1 when Disk Updated is enabled for the Site, 0 otherwise. Default=0
diskUpdateServerId	GUID of the Disk Update Server for the Site. Not used with diskUpdateServerName. Default=null Length=36
diskUpdateServerName	Name of the Disk Update Server for the Site. Not used with diskUpdateServerId. Default=null
makUser	User name used for MAK activation. When retrieved, the result will be encrypted. Default=null Max Length=64
makPassword	User password used for MAK activation. When retrieved, the result will be encrypted. Default=null Max Length=64
role	Read-only Role of the user for this item. Expected values are 100, 200 or 999.

records

If successful, records retrieved.

Mcli-Get SiteView

Gets the fields for a Site View or all Site Views in a Site or the whole Farm.

-p

Parameters needed for the Get.

One of these optional

siteViewId	GUID of the Site View to Get.
siteId	GUID of the Site to Get all Views for.
siteName	Name of the Site to Get all Views for.

or this optional & resolution

siteViewName	Name of the Site View to Get.
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One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

siteViewName	name of the Site View. Max Length=50
description	User description. Default="" Max Length=250
deviceCount	Read-only count of Devices in this Site View.
activeDeviceCount	Read-only count of active Devices in this Site View.

-f

List of fields to retrieve, if not included, all fields are retrieved.

siteViewId	Read-only GUID that uniquely identifies this Site View. Length=36
siteViewName	name of the Site View. Max Length=50
siteId	GUID of the Site this View is to be a member of. It is not used with siteName. Length=36
siteName	Name of the Site this View is to be a member of. It is not used with siteId.
description	User description. Default="" Max Length=250
deviceCount	Read-only count of Devices in this Site View.
activeDeviceCount	Read-only count of active Devices in this Site View.
makActivateNeededCount	Read-only count of active Devices that need MAK activation in this Site View.
role	Read-only Role of the user for this item. Expected values are 100 or 200.

records

If successful, records retrieved.

Mcli-Get Store

Gets the fields for a Store or all Stores for a Server, Site or the Farm.

-p

Parameters needed for the Get.

One of these optional

storeId	GUID of the Store to Get.
storeName	Name of the Store to Get.
serverId	GUID of the Server to Get all Stores for.
serverName	Name of the Server to Get all Stores for.
siteId	GUID of the Site to Get all Stores for.
siteName	Name of the Site to Get all Stores for.

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

storeName	Name of the Store. Max Length=50
description	User description. Default="" Max Length=250

-f

List of fields to retrieve, if not included, all fields are retrieved.

storeId	Read-only GUID that uniquely identifies this Store. Length=36
storeName	Name of the Store. Max Length=50
siteId	GUID of the Site where Administrators of that Site can change this Store. Not used for Farm Stores. siteName can be used instead. Default=null Length=36
siteName	Name of the Site where Administrators of that Site can change this Store. Not used for Farm Stores. siteId can be used instead. Default=null
description	User description. Default="" Max Length=250
path	Default directory path that the Servers use to access this Store. Max Length=255
cachePath	Default Cache path(s) that the Servers use with this Store. It is an ordered comma-delimited list.
role	Read-only Role of the user for this item. Expected values are 100, 200 or 999.

records

If successful, records retrieved.

Mcli-Get Task

Gets the current Task fields for all active and completed un-cleared tasks.

-p

Parameters needed for the Get.

One of these optional

taskId	The Task to get.
siteId	GUID of the Site to get Tasks for.
siteName	Name of the Site to get Tasks for.

Optional

state The TaskState to get Tasks for.

-s Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

taskId taskId of the Task.

-f List of fields to retrieve, if not included, all fields are retrieved.

taskId taskId of the Task.

siteId GUID of the Site that this Collection is a member of. It is not used with siteName. Default=null Length=36

siteName Name of the Site that this Collection is a member of. It is not used with siteId.

handle handle of the Task.

serverFqdn serverFqdn of the Task. Default=null Max Length=1024

ip ip of the Task.

port port of the Task.

startTime startTime of the Task.

expirationTime expirationTime of the Task.

state state of the Task. Min=0, Max=2

commandType commandType of the Task. Default="" Max Length=13

command command of the Task. Default="" Max Length=50

mapiException mapiException of the Task. Default=null

results results of the Task. Default=null

records If successful, records retrieved.

Mcli-Get UndefinedDisks

Get undefined Disks for the Store on the Server specified.

-p Parameters needed for the Get.

One of these required

serverId GUID of the Server to look for undefined Disks.

serverName Name of the Server to look for undefined Disks.

One of these required

storeId GUID of the Store that the Server services to look for undefined Disks.

storeName Name of the Store that the Server services to look for undefined Disks.

Optional

autoAddEnabled 1 when undefined Disks found should be automatically added, 0 otherwise. Default=0

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

name Name of the disk file without the extension.

-f

List of fields to retrieve, if not included, all fields are retrieved.

name Name of the disk file without the extension.

status Status of the disk file. Values are: 0 (Valid), 1 (Missing Properties File), 2 (Access Denied), 3 (Access Denied and Missing Properties File), 4 (Invalid Disk File), 5 (Manifest Missing or Invalid)

records

If successful, records retrieved.

Mcli-Get UpdateTask

Gets the fields for an Update Task or all Update Tasks in a Site or the whole Farm.

-p

Parameters needed for the Get.

One of these optional

updateTaskId GUID of the Update Task to Get.

siteId GUID of the Site to Get all Update Tasks for.

siteName Name of the Site to Get all Update Tasks for.

or this optional & resolution

updateTaskName Name of the Update Task to Get.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

-s

Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

updateTaskName Name of the Update Task. It is unique within the Site. Max Length=50

description User description. Default="" Max Length=250

-f

List of fields to retrieve, if not included, all fields are retrieved.

updateTaskId Read-only GUID that uniquely identifies this Update Task. Length=36

updateTaskName Name of the Update Task. It is unique within the Site. Max Length=50

siteId GUID of the Site that this Update Task is a member of. It is not used with siteName. Length=36

siteName	Name of the Site that this Update Task is a member of. It is not used with siteId.
description	User description. Default="" Max Length=250
enabled	1 when it will be processed, 0 otherwise. Default=1
hour	The hour of the day to perform the task. Min=0, Max=23, Default=0
minute	The minute of the hour to perform the task. Min=0, Max=59, Default=0
recurrence	The update will reoccur on this schedule. 0 = None, 1 = Daily, 2 = Every Weekday, 3 = Weekly, 4 = Monthly Date, 5 = Monthly Type. Min=0, Max=5, Default=0
dayMask	Days selected values. 1 = Monday, 2 = Tuesday, 4 = Wednesday, 8 = Thursday, 16 = Friday, 32 = Saturday, 64 = Sunday, 128 = Day. Default=0. This is used with Weekly and Monthly Type recurrence. Min=1, Max=255, Default=4
date	Comma delimited days of the month. Numbers from 1-31 and , between are the only valid values. This is used with Monthly Date recurrence. Default="" Max Length=83
monthlyOffset	When to happen monthly. 0 = None, 1 = First, 2 = Second, 3 = Third, 4 = Forth, 5 = Last. This is used with Monthly Type recurrence. Min=0, Max=5, Default=3
esdType	Esd to use. Default=null Max Length=50
preUpdateScript	Script file to run before the update starts. Default=null Max Length=255
preVmScript	Script file to run before the VM is loaded. Default=null Max Length=255
postUpdateScript	Script file to run after the update finishes. Default=null Max Length=255
postVmScript	Script file to run after the VM is unloaded. Default=null Max Length=255
domain	Domain to add the Disk Update Device(s) to. If not included, the first Domain Controller found on the Server is used. Default=null Max Length=255
organizationUnit	Organizational Unit to add the Disk Update Device(s) to. This parameter is optional. If it is not specified, the device is added to the builtin Computers container. Child OU's should be delimited with forward slashes, e.g. "ParentOU/ChildOU". Special characters in an OU name, such as '"', '#', '+', ',', ';', '>', '=', must be escaped with a backslash. For example, an OU called "commaIn,TheMiddle" must be specified as "commaIn\,TheMiddle". The old syntax of delimiting child OU's with a comma is still supported, but deprecated. Note that in this case, the child OU comes

first, e.g. "ChildOU,ParentOU".
 Default=null Max Length=255

postUpdateApprove Access to place the version in after the update has occurred. 0 = Production, 1 = Test, 2 = Maintenance. Min=0, Max=2, Default=0

records
 If successful, records retrieved.

Mcli-Get VirtualHostingPool

Gets the fields for a Virtual Hosting Pool or all Virtual Hosting Pools in a Site or the whole Farm.

-p
 Parameters needed for the Get.
 One of these optional

virtualHostingPoolId	GUID of the Virtual Hosting Pool to Get.
siteId	GUID of the Site to Get all Virtual Hosting Pools for.
siteName	Name of the Site to Get all Virtual Hosting Pools for.

or this optional & resolution

virtualHostingPoolName	Name of the Virtual Hosting Pool to Get.
------------------------	--

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

-s
 Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

virtualHostingPoolName	Name of the Virtual Hosting Pool. It is unique within the Site. Max Length=50
description	User description. Default="" Max Length=250

-f
 List of fields to retrieve, if not included, all fields are retrieved.

virtualHostingPoolId	Read-only GUID that uniquely identifies this Virtual Hosting Pool. Length=36
virtualHostingPoolName	Name of the Virtual Hosting Pool. It is unique within the Site. Max Length=50
siteId	GUID of the Site that this Virtual Hosting Pool is a member of. It is not used with siteName. Length=36
siteName	Name of the Site that this Virtual Hosting Pool is a member of. It is not used with siteId.
type	Type of the Virtual Hosting Pool. 0 = Citrix XenServer, 1 = Microsoft SCVMM, 2 = Microsoft Hyper-V, 3 = VMWare ESX. Min=0, Max=3, Default=0
description	User description. Default="" Max Length=250

server	Name or IP of the Host Server. Max Length=255
port	Port of the Host Server. Min=80, Max=65534, Default=80
updateLimit	Number of updates at the same time. Min=2, Max=1000, Default=1000
updateTimeout	Timeout for updates. Min=2, Max=60, Default=30
shutdownTimeout	Timeout for shutdown. Min=2, Max=30, Default=10
userName	Name to use when logging into the Server.
password	Password to use when logging into the Server.

records
If successful, records retrieved.

Mcli-Info

Mcli-Info commandName[-p name=value[, name2=value2]][-f field[, field2]]

Mcli-Info Group

Gets the fields for the Groups for the user or the System.

-p
Parameters needed for the Info request.
Optional

domain	Domain of user (may be the name of the local computer).
user	Name of user.
adGroupsEnabled	Get Active Directory groups, when set to 1. Get Windows groups, when set to 0. If not included, the Farm adGroupsEnabled setting is used.

-f
List of fields to retrieve, if not included, all fields are retrieved.

name	Name of the Group.
guid	GUID of the Active Directory group. It will be null for Windows groups.

records
If successful, records retrieved.

Mcli-Info LocalServer

Returns one record with the local server's NetBios name

-f
List of fields to retrieve, if not included, all fields are retrieved.

LocalServer	NetBios name of local server
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records
If successful, records retrieved.

Mcli-Info MapiErrorCode

Returns the string and numeric versions of each Mapi error code.

-f

List of fields to retrieve, if not included, all fields are retrieved.

mapiVersion	Version of the system in major.minor.build format.
dbVersion	Version of the database schema as a number.
type	Type of system. Values are 0 (Normal), 1 (OROM), and 2 (Secure).
dbEdition	Edition of the database. Interested if 'Express Edition' for maximum 4000 MB size check.
dbSize	Size of the database as a number of MB. Interested if 'Express Edition' and getting close to the 4000 MB maximum.

records

If successful, records retrieved.

Mcli-Info Version

Returns one record with the version information.

-f

List of fields to retrieve, if not included, all fields are retrieved.

mapiVersion	Version of the system in major.minor.build format.
dbVersion	Version of the database schema as a number.
type	Type of system. Values are 0 (Normal), 1 (OROM), and 2 (Secure).
dbEdition	Edition of the database. Interested if 'Express Edition' for maximum 4000 MB size check.
dbSize	Size of the database as a number of MB. Interested if 'Express Edition' and getting close to the 4000 MB maximum.

records

If successful, records retrieved.

Mcli-Run

Mcli-Run commandName[-p name=value[, name2=value2]]

Mcli-Run ActivateDevice

Proxy Activate with a Multiple Activation Key and/or apply the Confirmation ID to remote activate a Device DiskLocator pair.

-p

Parameters needed for this Run.
One of these required

deviceId	GUID of the Device to Activate.
deviceName	Name of the Device to Activate.
deviceMac	MAC of the Device to Activate.
This required	
makUsedToActivate	Multiple Activation Key to Activate the Device with.

Mcli-Run AddDeviceToDomain

Assign a Device, all Devices in a Collection or View to a Domain.

-p

Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Add to the Domain.
deviceName	Name of the Device to Add to the Domain.
deviceMac	MAC of the Device to Add to the Domain.
collectionId	GUID of the Collection to Add all Devices to the Domain.
siteViewId	GUID of the Site View to Add all Devices to the Domain.
farmViewId	GUID of the Farm View to Add all Devices to the Domain.
farmViewName	Name of the Farm View to Add all Devices to the Domain.

or one of these required & resolutions

collectionName	Name of the Collection to Add all Devices to the Domain.
siteViewName	Name of the Site View to Add all Devices to the Domain.

Optional

domain	Domain to add the Device(s) to. If not included, the first Domain Controller found on the Server is used.
organizationUnit	Organizational Unit to add the Device(s) to. This parameter is optional. If it is not specified, the device is added to the builtin Computers container. Child OU's should be delimited with forward slashes, e.g. "ParentOU/ChildOU". Special characters in an OU name, such as '"', '#', '+', ',', ';', '>', '=', must be escaped with a backslash. For example, an OU called "commaIn,TheMiddle" must be specified as "commaIn\,TheMiddle". The old syntax of delimiting child OU's with a comma is still supported, but deprecated. Note that in this case, the child OU comes first, e.g. "ChildOU,ParentOU".

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

Mcli-Run AddDiskVersion

Add one or more new Versions to a Disk. A manifest file for the new Disk Version(s) must exist in the Store.

-p

Parameters needed for this Run.

This required

diskLocatorId GUID of the Disk Locator File to Add the
new Disk Version(s) to.

or this required & resolution

diskLocatorName Name of the Disk Locator File to Add the
new Disk Version(s) to.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

One of these resolutions when needed

storeId GUID of the Store that is needed when a
diskLocatorName is used.

storeName Name of the Store that is needed when a
diskLocatorName is used.

Mcli-Run ApplyAutoUpdate

Apply Auto Update for a Server or all Servers in a Site.

-p

Parameters needed for this Run.

One of these required

serverId GUID of the Server to apply Auto Update.

serverName Name of the Server to apply Auto Update.

siteId GUID of the Site to apply Auto Update on
all Servers.

siteName Name of the Site to apply Auto Update on
all Servers.

Mcli-Run ArchiveAuditTrail

Archive the information in the Audit Trail up to a certain date to a file. When finished, the information archived will be removed from the Audit Trail.

-p

Parameters needed for this Run.

This required

fileName Name of the file to archive the Audit
Trail to. This must be a full file path
name.

Optional

endDate Last date of information to Archive. If
not entered, all information is Archived.
Format is yyyy/mm/dd.

purgeData 1 when the information archived will be
removed from the Audit Trail. Default=1

Mcli-Run AssignAuthGroup

Assign an AuthGroup to have Farm, Site or Collection Authorization. If no Site or Collection is specified, the AuthGroup is given Farm Authorization.

-p

Parameters needed for this Run.

One of these required

authGroupId GUID of the AuthGroup to assign Authorization for.

authGroupName Name of the AuthGroup to assign Authorization for.

One of these optional

collectionId GUID of the Collection to assign Authorization to for the AuthGroup.

siteId GUID of the Site to assign Authorization to for the AuthGroup.

siteName Name of the Site to assign Authorization to for the AuthGroup.

or this optional & resolution

collectionName Name of the Collection to assign Authorization to for the AuthGroup.

Optional

role Authorization Role for the Collection. 300 or 400 can be used. role can only be used with collectionId or collectionName. Default=400.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

Mcli-Run AssignDevice

Assign a Device to a Collection or View.

-p

Parameters needed for this Run.

One of these required

deviceId GUID of the Device to Assign.

deviceName Name of the Device to Assign.

deviceMac MAC of the Device to Assign.

One of these required

collectionId GUID of the Collection to Assign a Device or Devices. The Device is moved from whatever Collection it is currently in, to the Collection specified.

siteViewId GUID of the Site View to Assign a Device.

farmViewId GUID of the Farm View to Assign a Device.

farmViewName Name of the Farm View to Assign a Device.

or one of these required & resolutions

collectionName Name of the Collection to Assign a Device or Devices. The Device is moved from whatever Collection it is currently in, to the Collection specified.

siteViewName Name of the Site View to Assign a Device.

Optional

copyTemplate	1 if the Template Device for the collection, if it exists, should be used for the property settings of the assigned Device(s). copyTemplate is only valid with collectionId or collectionName.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.

Mcli-Run AssignDisk

Assign a Disk to an Update Task.

-p
Parameters needed for this Run.
This required

diskLocatorId	GUID of the Disk Locator to Assign.
---------------	-------------------------------------

One of these required

updateTaskId	GUID of the Update Task to Assign a Disk.
updateTaskName	Name of the Update Task to Assign a Disk.

or this required & resolution

diskLocatorName	Name of the Disk Locator File to Assign.
-----------------	--

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

Mcli-Run AssignDiskLocator

Assign a Disk Locator to a Device, a Collection or View.

-p
Parameters needed for this Run.
This required

diskLocatorId	GUID of the Disk Locator to Assign.
---------------	-------------------------------------

One of these required

deviceId	GUID of the Device to Assign a Disk Locator.
deviceName	Name of the Device to Assign a Disk Locator.
deviceMac	MAC of the Device to Assign a Disk Locator.
collectionId	GUID of the Collection to Assign a Disk Locator or Locators to all Devices.
siteViewId	GUID of the Site View to Assign a Disk Locator to all Devices.
farmViewId	GUID of the Farm View to Assign a Disk Locator to all Devices.
farmViewName	Name of the Farm View to Assign a Disk Locator to all Devices.

or this required & resolution

diskLocatorName	Name of the Disk Locator File to Assign.
-----------------	--

One of these required & resolutions

collectionName	Name of the Collection to Assign a Disk Locator or Locators to all Devices.
siteViewName	Name of the Site View to Assign a Disk Locator to all Devices.
Optional	
removeExisting	1 to remove the existing Disk Locators before assigning the new ones. Default=0
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

Mcli-Run AssignServer

Assign a Server to a Site.

-p

Parameters needed for this Run.

One of these required

serverId	GUID of the Server to Assign.
serverName	Name of the Server to Assign.

One of these required

siteId	GUID of the Site to Assign a Server.
siteName	Name of the Site to Assign a Server.

Mcli-Run AuditAddDeviceToDomain

Audit the assign of a Device, all Devices in a Collection or View to a Domain.

-p

Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Add to the Domain.
deviceName	Name of the Device to Add to the Domain.
deviceMac	MAC of the Device to Add to the Domain.
collectionId	GUID of the Collection to Add all Devices to the Domain.
siteViewId	GUID of the Site View to Add all Devices to the Domain.
farmViewId	GUID of the Farm View to Add all Devices to the Domain.
farmViewName	Name of the Farm View to Add all Devices to the Domain.

or one of these required & resolutions

collectionName	Name of the Collection to Add all Devices to the Domain.
siteViewName	Name of the Site View to Add all Devices to the Domain.

Optional

domain	Domain to add the Device(s) to. If not included, the first Domain Controller found on the Server is used.
--------	---

organizationUnit	Organizational Unit to add the Device(s) to. This parameter is optional. If it is not specified, the device is added to the builtin Computers container. Child OU's should be delimited with forward slashes, e.g. "ParentOU/ChildOU". Special characters in an OU name, such as '"', '#', '+', ',', ';', '>', '=', must be escaped with a backslash. For example, an OU called "commaIn,TheMiddle" must be specified as "commaIn\,TheMiddle". The old syntax of delimiting child OU's with a comma is still supported, but deprecated. Note that in this case, the child OU comes first, e.g. "ChildOU,ParentOU".
processedDeviceId	Comma delimited list of deviceIds that were processed successfully.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.

Mcli-Run AuditRemoveDeviceFromDomain

Audit the removal of a Device, all Devices in a Collection or View from a Domain.

-p

Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Remove from the Domain.
deviceName	Name of the Device to Remove from the Domain.
deviceMac	MAC of the Device to Remove from the Domain.
collectionId	GUID of the Collection to Remove all Devices from the Domain.
siteViewId	GUID of the Site View to Remove all Devices from the Domain.
farmViewId	GUID of the Farm View to Remove all Devices from the Domain.
farmViewName	Name of the Farm View to Remove all Devices from the Domain.

or one of these required & resolutions

collectionName	Name of the Collection to Remove all Devices from the Domain.
siteViewName	Name of the Site View to Remove all Devices from the Domain.

Optional

domain	Domain to remove the Device(s) from. If not included, the first Domain Controller found on the Server is used.
processedDeviceId	Comma delimited list of deviceIds that were processed successfully.

One of these resolutions when needed

siteId	GUID of the Site.
--------	-------------------

siteName Name of the Site.

Mcli-Run AuditResetDeviceForDomain

Audit the reset of a Device, all Devices in a Collection or View for a Domain.

-p

Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Reset for the Domain.
deviceName	Name of the Device to Reset for the Domain.
deviceMac	MAC of the Device to Reset for the Domain.
collectionId	GUID of the Collection to Reset all Devices for the Domain.
siteViewId	GUID of the Site View to Reset all Devices for the Domain.
farmViewId	GUID of the Farm View to Reset all Devices for the Domain.
farmViewName	Name of the Farm View to Reset all Devices for the Domain.

or one of these required & resolutions

collectionName	Name of the Collection to Reset all Devices for the Domain.
siteViewName	Name of the Site View to Reset all Devices for the Domain.

Optional

domain	Domain to Reset the Device(s) for. If not included, the first Domain Controller found on the Server is used.
organizationUnit	Organizational Unit to reset the Device(s) to. This parameter is optional. If it is not specified, the account remains in its existing OU. Child OU's should be delimited with forward slashes, e.g. "ParentOU/ChildOU". Special characters in an OU name, such as '"', '#', '+', ',', ';', '>', '=', must be escaped with a backslash. For example, an OU called "commaIn,TheMiddle" must be specified as "commaIn\,TheMiddle". The old syntax of delimiting child OU's with a comma is still supported, but deprecated. Note that in this case, the child OU comes first, e.g. "ChildOU,ParentOU".
processedDeviceId	Comma delimited list of deviceIds that were processed successfully.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

Mcli-Run Boot

Boot a Device, Collection or View.

-p

Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Boot.
deviceName	Name of the Device to Boot.
deviceMac	MAC of the Device to Boot.
collectionId	GUID of the Collection to Boot all Devices.
siteViewId	GUID of the Site View to Boot all Devices.
farmViewId	GUID of the Farm View to Boot all Devices.
farmViewName	Name of the Farm View to Boot all Devices.

or one of these required & resolutions

collectionName	Name of the Collection to Boot all Devices.
siteViewName	Name of the Site View to Boot all Devices.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

Mcli-Run CancelTask

Cancel a running Task.

-p

Parameters needed for this Run.

This required

taskId	Id of the Task to Cancel.
--------	---------------------------

Mcli-Run ClearTask

Clear a single or all completed or cancelled Tasks in a Site or the whole Farm.

-p

Parameters needed for this Run.

One of these optional

taskId	Id of the Task to Clear.
siteId	Site Id of the Tasks to Clear.
siteName	Site Name of the Tasks to Clear.

Mcli-Run CopyPasteDevice

Copy properties of one Device to a Device, all the Devices in a Collection, Site View or Farm View.

-p

Parameters needed for this Run.

One of these required

deviceIdFrom	GUID of the Device to Copy from.
deviceNameFrom	Name of the Device to Copy from.

deviceMacFrom	Mac of the Device to Copy from.
One of these required	
deviceId	GUID of the Device to Copy to.
deviceName	Name of the Device to Copy to.
deviceMac	MAC of the Device to Copy to.
collectionId	GUID of the Collection to Copy to.
siteViewId	GUID of the Site View to Copy to.
farmViewId	GUID of the Farm View to Copy to.
farmViewName	Name of the Farm View to Copy to.
or one of these required &	resolutions
collectionName	Name of the Collection to Copy to.
siteViewName	Name of the Site View to Copy to.
Optional	
properties	If not specified, all are copied. Comma delimited list of properties. Values are: 1 (Description), 2 (Class), 3 (Port), 4 (Disabled), 5 (Boot Behavior), 6 (Disk Assignment), 7 (Personality), 8 (Printer), 10 (Authentication) and 11 (Logging).
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.

Mcli-Run CopyPasteDisk

Copy properties of one Disk to a Disk.

-p
Parameters needed for this Run.

This required	
diskLocatorIdFrom	GUID of the Disk Locator to Copy from.
This required	
diskLocatorId	GUID of the Disk Locator to Copy to.
Optional	
properties	If not specified, all are copied. Comma delimited list of properties. Values are: 1 (Description), 2 (Class), 3 (Type), 4 (Disk Mode), 5 (Auto Update), 7 (Active Directory), 8 (Printer), 10 (Version), 11 (Date), 12 (Author), 13 (Title), 14 (Company), 15 (Internal Filename), 16 (Original Filename), 17 (Hardware Target), 18 (Menu Text), 19 (Enabled), 20 (Server), and 21 (Store).

Mcli-Run CopyPasteServer

Copy properties of one Server to a Server.

-p
Parameters needed for this Run.

One of these required	
serverIdFrom	GUID of the Server to Copy from.
serverNameFrom	Name of the Server to Copy from.
One of these required	
serverId	GUID of the Server to Copy to.

serverName	Name of the Server to Copy to.
Optional	
properties	If not specified, all are copied. Comma delimited list of properties. Values are: 1 (Configuration), 2 (Port), 3 (Auto Update), 4 (Active Directory), 5 (Advanced Server), 6 (Advanced Network), 7 (Advanced Pacing), 8 (Advanced Device) and 9 (Logging).

Mcli-Run CreateDirectory

Create a Directory on the Server specified.

-p
Parameters needed for this Run.
One of these required

serverId	GUID of the Server to create a Directory on.
serverName	Name of the Server to create a Directory on.

This required

path	Path of the new Directory to create.
------	--------------------------------------

Mcli-Run CreateDiskCancel

Cancel an active CreateDisk.

-p
Parameters needed for this Run.
This required

name	Name of the Disk file that is being created.
------	--

One of these required

storeId	GUID of the Store that the Disk will be a member of.
storeName	Name of the Store that the Disk will be a member of.

Mcli-Run DisableCollection

Disable a Collection so Devices that exist in it are Disabled, even if a Device itself is set to be Enabled.

-p
Parameters needed for this Run.
This required

collectionId	GUID of the Collection to Disable.
--------------	------------------------------------

or this required & resolution

collectionName	Name of the Collection to Disable.
----------------	------------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

Mcli-Run DisableDevice

Disable one or more Devices.

-p

Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Disable.
deviceName	Name of the Device to Disable.
deviceMac	MAC of the Device to Disable.
collectionId	GUID of the Collection to Disable all Devices in.
siteViewId	GUID of the Site View to Disable all Devices in.
farmViewId	GUID of the Farm View to Disable all Devices in.
farmViewName	Name of the Farm View to Disable all Devices in.

or one of these required & resolutions

collectionName	Name of the Collection to Disable all Devices in.
siteViewName	Name of the Site View to Disable all Devices in.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

Mcli-Run DisableDeviceDiskLocator

Disable a Device's DiskLocator.

-p

Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Disable the DiskLocator for.
deviceName	Name of the Device to Disable the DiskLocator for.
deviceMac	MAC of the Device to Disable the DiskLocator for.

This required

diskLocatorId	GUID of the DiskLocator to Disable for the Device.
---------------	--

or this required & resolution

diskLocatorName	Name of the DiskLocator File to Disable for the Device.
-----------------	---

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

Mcli-Run DisableDiskLocator

Disable a DiskLocator so all Devices that have it assigned will not make it available, even if a Device DiskLocator itself is set to be Enabled.

-p

Parameters needed for this Run.

This required

diskLocatorId	GUID of the DiskLocator to Disable.
or this required & resolution	
diskLocatorName	Name of the DiskLocator File to Disable.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

Mcli-Run DiskUpdateCancel

Cancels an active Update Task for all or a specific DiskLocator.

-p

Parameters needed for this Run.

One of these required

updateTaskId	GUID of the Update Task to Cancel.
deviceId	GUID of a specific Update Device to Cancel the Update Task for.

or this required & resolution

updateTaskName	Name of the Update Task to Cancel.
----------------	------------------------------------

This optional & resolution

deviceName	Name of a specific Update Device to Cancel the Update Task for.
------------	---

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

Mcli-Run DiskUpdateStart

Starts an active Update Task for all or a specific DiskLocator.

-p

Parameters needed for this Run.

This required

updateTaskId	GUID of the Update Task to Start.
--------------	-----------------------------------

or this required & resolution

updateTaskName	Name of the Update Task to Start.
----------------	-----------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

Mcli-Run DisplayMessage

Display a message on a Device, a Site, Collection or View.

-p

Parameters needed for this Run.

This required

message	Message to display on the Device(s).
---------	--------------------------------------

One of these required

deviceId	GUID of the Device to Display a Message.
deviceName	Name of the Device to Display a Message.
deviceMac	MAC of the Device to Display a Message.

collectionId	GUID of the Collection to Display a Message on all Devices.
siteViewId	GUID of the Site View to Display a Message all Devices.
farmViewId	GUID of the Farm View to Display a Message on all Devices.
farmViewName	Name of the Farm View to Display a Message on all Devices.
or one of these required & resolutions	
collectionName	Name of the Collection to Display a Message on all Devices.
siteViewName	Name of the Site View to Display a Message on all Devices.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.

Mcli-Run EnableCollection

Enable a Collection so Devices that exist in it are Enabled, if the Device itself is not set to be Disabled.

-p

Parameters needed for this Run.

This required

collectionId	GUID of the Collection to Enable.
--------------	-----------------------------------

or this required & resolution

collectionName	Name of the Collection to Enable.
----------------	-----------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
--------	-------------------

siteName	Name of the Site.
----------	-------------------

Mcli-Run EnableDevice

Enable one or more Devices. If the Device's Collection is Disabled, that overrides the Device setting.

-p

Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Enable.
----------	-------------------------------

deviceName	Name of the Device to Enable.
------------	-------------------------------

deviceMac	MAC of the Device to Enable.
-----------	------------------------------

collectionId	GUID of the Collection to Enable all Devices in.
--------------	--

siteViewId	GUID of the Site View to Enable all Devices in.
------------	---

farmViewId	GUID of the Farm View to Enable all Devices in.
------------	---

farmViewName	Name of the Farm View to Enable all Devices in.
--------------	---

or one of these required & resolutions

collectionName	Name of the Collection to Enable all Devices in.
----------------	--

siteViewName	Name of the Site View to Enable all Devices in.
--------------	---

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

Mcli-Run EnableDeviceDiskLocator

Enable a Device's DiskLocator. If the DiskLocator is Disabled, that overrides the Device DiskLocator setting.

-p

Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Enable the DiskLocator for.
deviceName	Name of the Device to Enable the DiskLocator for.
deviceMac	MAC of the Device to Enable the DiskLocator for.

This required

diskLocatorId	GUID of the DiskLocator to Enable for the Device.
---------------	---

or this required & resolution

diskLocatorName	Name of the DiskLocator to Enable for the Device.
-----------------	---

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

Mcli-Run EnableDiskLocator

Enable a DiskLocator so Devices that have it assigned will make it available, if the Device DiskLocator itself is not set to be Disabled.

-p

Parameters needed for this Run.

This required

diskLocatorId	GUID of the DiskLocator to Enable.
---------------	------------------------------------

or this required & resolution

diskLocatorName	Name of the DiskLocator File to Enable.
-----------------	---

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

Mcli-Run ExportDisk

Export the disk stack to a manifest file.

-p

Parameters needed for this Run.

This required

diskLocatorId	GUID of the Disk Locator that identifies the disk to export.
---------------	--

or this required & resolution

diskLocatorName	Name of the Disk Locator that identifies the disk to export.
-----------------	--

Optional

version	Version to use as the start of the export. The export will include all versions starting with this to the highest one.
---------	--

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

Mcli-Run ExportOemLicenses

Oem Only: Export the Oem Licenses for the Devices to the fileName specified.

-p

Parameters needed for this Run.

This required	
fileName	Name of the file to export the Oem Licenses to. This must be a full file path name.
One of these required	
deviceId	GUID of the Device, or comma-delimited list of Device GUIDs to Export Oem Licenses to the fileName specified.
deviceName	Name of the Device, or comma-delimited list of Device Names to Export Oem Licenses to the fileName specified.
deviceMac	MAC of the Device, or comma-delimited list of Device MACs to Export Oem Licenses to the fileName specified.
collectionId	GUID of the Collection to Export all Device Oem Licenses to the fileName specified.
siteViewId	GUID of the Site View to Export all Device Oem Licenses to the fileName specified.
farmViewId	GUID of the Farm View to Export all Device Oem Licenses to the fileName specified.
farmViewName	Name of the Farm View to Export all Device Oem Licenses to the fileName specified.
or one of these required & resolutions	
collectionName	Name of the Collection to Export all Device Oem Licenses to the fileName specified.
siteViewName	Name of the Site View to Export all Device Oem Licenses to the fileName specified.

One of these resolutions when needed
siteId GUID of the Site.
siteName Name of the Site.

Mcli-Run ForcelInventory

Forces the Inventory service to refresh its Inventory Table.

Mcli-Run ImportDatabase

Import Devices from the version 4.x mdb database fileName specified.

-p
Parameters needed for this Run.
This required
fileName Name of the database mdb file to import the Devices from. This must be a full file path name.

This required
collectionId GUID of the Collection to import the Devices into.

or this required & resolution
collectionName Name of the Collection to import the Devices into.

One of these resolutions when needed
siteId GUID of the Site.
siteName Name of the Site.

Mcli-Run ImportDevices

Import Devices from the contents of the comma or tab delimited fileName specified. Each record needs to have Device Name, Mac Address, Site Name, Collection Name and optional Description.

-p
Parameters needed for this Run.
This required
fileName Name of the file to import the Devices from. This must be a full file path name.

One of these optional
collectionId GUID of the Collection to import the Devices into.
siteId GUID of the Site to import the Devices into.
siteName Name of the Site to import the Devices into.

or this optional & resolution
collectionName Name of the Collection to import the Devices into.

Optional
copyTemplate 1 if the Template Device for the collection, if it exists, should be used for the property settings of the imported Devices.
doNotCreateNewSites 1 if new Sites found in the file should not be created. Default=0
doNotCreateNewCollections 1 if new Collections found in the file should not be created. Default=0

One of these resolutions when needed
siteId GUID of the Site.
siteName Name of the Site.

Mcli-Run ImportOemLicenses

Oem Only: Import the Oem Licenses from the contents of the fileName specified.

-p
Parameters needed for this Run.
This required
fileName Name of the file to import the Oem Licenses from. This must be a full file path name.

Mcli-Run MarkDown

Mark Down a Device, Collection, View, Server or Site.

-p
Parameters needed for this Run.
One of these required
deviceId GUID of the Device to Mark Down.
deviceName Name of the Device to Mark Down.
deviceMac MAC of the Device to Mark Down.
collectionId GUID of the Collection to Mark Down all Devices.
siteViewId GUID of the Site View to Mark Down all Devices.
farmViewId GUID of the Farm View to Mark Down all Devices.
farmViewName Name of the Farm View to Mark Down all Devices.
diskLocatorId GUID of the DiskLocator to Mark Down all Devices.
serverId GUID of the Server to Mark Down.
serverName Name of the Server to Mark Down.
One of these required
siteId GUID of the Site. Can be used alone to Mark Down all Servers and Devices in the Site.
siteName Name of the Site. Can be used alone to Mark Down all Servers and Devices in the Site.
or one of these required & resolutions
collectionName Name of the Collection to Mark Down all Devices.
siteViewName Name of the Site View to Mark Down all Devices.
diskLocatorName Name of the DiskLocator to Mark Down all Devices.
One of these resolutions when needed
siteId GUID of the Site.
siteName Name of the Site.
One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

Mcli-Run MergeDisk

Merge the Disk.

-p

Parameters needed for this Run.

This required

diskLocatorId	GUID of the Disk Locator File to Merge.
---------------	---

or this required & resolution

diskLocatorName	Name of the Disk Locator File to Merge.
-----------------	---

Optional

access	Access to set the version to when merge is finished. Values are: 0 (Production), 1 (Test) and 2 (Maintenance), Min=0, Max=2, Default=0
--------	--

base	When 1, specifies to create a new base from last base plus all updates from that base. The default is to merge all updates from the last base by default.
------	---

One of these resolutions when needed

siteId	GUID of the Site.
--------	-------------------

siteName	Name of the Site.
----------	-------------------

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
---------	--

storeName	Name of the Store that is needed when a diskLocatorName is used.
-----------	--

Mcli-Run PromoteDiskVersion

Commits the changes made in the current Maintenance or a Test version. Promotes the Maintenance version or a Test version to a Test or new Production version.

-p

Parameters needed for this Run.

This required

diskLocatorId	GUID of the Disk Locator File to Promote the Disk Version of.
---------------	---

or this required & resolution

diskLocatorName	Name of the Disk Locator File to Promote the Disk Version of.
-----------------	---

Optional

scheduledDate	Date/Time the new disk version will become available. Format is: YYYY-MM-DD HH:MM
---------------	---

testVersion	Specifies the Test version number that should be Promoted to Production.
-------------	--

test	Set the mode of the Maintenance version to Test when 1. Default is 0.
------	---

One of these resolutions when needed

siteId	GUID of the Site.
--------	-------------------

siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

Mcli-Run Reboot

Reboot a Device, Collection or View.

-p

Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Reboot.
deviceName	Name of the Device to Reboot.
deviceMac	MAC of the Device to Reboot.
collectionId	GUID of the Collection to Reboot all Devices.
siteViewId	GUID of the Site View to Reboot all Devices.
farmViewId	GUID of the Farm View to Reboot all Devices.
farmViewName	Name of the Farm View to Reboot all Devices.
diskLocatorId	GUID of the DiskLocator to Reboot all Devices.

or one of these required & resolutions

collectionName	Name of the Collection to Reboot all Devices.
siteViewName	Name of the Site View to Reboot all Devices.
diskLocatorName	Name of the DiskLocator to Reboot all Devices.

Optional

message	Message to display before rebooting the Device(s). Default=The target device is being shutdown remotely by the Console.
delay	Number of seconds to delay before rebooting the Device(s). Default=10
version	Version of the Disk to Reboot all Devices for. This is used with diskLocatorId or diskLocatorName.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

Mcli-Run RemoveAuthGroup

Remove Farm, Site or Collection Authorization for an AuthGroup. If no Site or Collection is specified, Farm Authorization is removed for the AuthGroup.

-p

Parameters needed for this Run.

One of these required

authGroupId	GUID of the AuthGroup to remove Authorization for.
authGroupName	Name of the AuthGroup to remove Authorization for.

One of these optional

collectionId	GUID of the Collection to remove Authorization for the AuthGroup.
siteId	GUID of the Site to remove Authorization for the AuthGroup.
siteName	Name of the Site to remove Authorization for the AuthGroup.

or this optional & resolution

collectionName	Name of the Collection to remove Authorization for the AuthGroup.
----------------	---

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

Mcli-Run RemoveDevice

Remove a Device from a View.

-p

Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Remove.
deviceName	Name of the Device to Remove.
deviceMac	MAC of the Device to Remove.

One of these required

siteViewId	GUID of the Site View to Remove the Devices from.
farmViewId	GUID of the Farm View to Remove the Devices from.
farmViewName	Name of the Farm View to Remove the Devices from.

or this required & resolution

siteViewName	Name of the Site View to Remove the Devices from.
--------------	---

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

Mcli-Run RemoveDeviceFromDomain

Remove a Device, all Devices in a Collection or View from a Domain.

-p

Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Remove from the Domain.
deviceName	Name of the Device to Remove from the Domain.

deviceMac	MAC of the Device to Remove from the Domain.
collectionId	GUID of the Collection to Remove all Devices from the Domain.
siteViewId	GUID of the Site View to Remove all Devices from the Domain.
farmViewId	GUID of the Farm View to Remove all Devices from the Domain.
farmViewName	Name of the Farm View to Remove all Devices from the Domain.
or one of these required & resolutions	
collectionName	Name of the Collection to Remove all Devices from the Domain.
siteViewName	Name of the Site View to Remove all Devices from the Domain.
Optional	
domain	Domain to remove the Device(s) from. If not included, the first Domain Controller found on the Server is used.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.

Mcli-Run RemoveDirectory

Remove a Directory on the Server specified.

-p
Parameters needed for this Run.
One of these required

serverId	GUID of the Server to remove a Directory from. The directory must be empty to be removed.
serverName	Name of the Server to remove a Directory from. The directory must be empty to be removed.

This required

path	Path of the Directory to remove.
------	----------------------------------

Mcli-Run RemoveDisk

Remove a Disk from an Update Task.

-p
Parameters needed for this Run.
This required

diskLocatorId	GUID of the Disk Locator to Remove.
---------------	-------------------------------------

or this required & resolution

diskLocatorName	Name of the Disk Locator File to Remove.
-----------------	--

One of these optional

updateTaskId	GUID of the Update Task to Remove a Disk.
updateTaskName	Name of the Update Task to Remove a Disk.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

Mcli-Run RemoveDiskLocator

Remove a Disk Locator from a Device, Collection, View, or Site.

-p

Parameters needed for this Run.

This required

diskLocatorId	GUID of the Disk Locator to Remove.
---------------	-------------------------------------

or this required & resolution

diskLocatorName	Name of the Disk Locator File to Remove.
-----------------	--

One of these optional

deviceId	GUID of the Device to Remove a Disk Locator.
----------	--

deviceName	Name of the Device to Remove a Disk Locator.
------------	--

deviceMac	MAC of the Device to Remove a Disk Locator.
-----------	---

collectionId	GUID of the Collection to Remove a Disk Locator or Locators from all Devices.
--------------	---

siteViewId	GUID of the Site View to Remove a Disk Locator from all Devices.
------------	--

farmViewId	GUID of the Farm View to Remove a Disk Locator from all Devices.
------------	--

farmViewName	Name of the Farm View to Remove a Disk Locator from all Devices.
--------------	--

or one of these optional & resolutions

collectionName	Name of the Collection to Remove a Disk Locator or Locators from all Devices.
----------------	---

siteViewName	Name of the Site View to Remove a Disk Locator from all Devices.
--------------	--

One of these resolutions when needed

siteId	GUID of the Site.
--------	-------------------

siteName	Name of the Site.
----------	-------------------

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
---------	--

storeName	Name of the Store that is needed when a diskLocatorName is used.
-----------	--

Mcli-Run ResetDatabaseConnection

Cause the database location to be reloaded.

Mcli-Run ResetDeviceForDomain

Reset a Device, all Devices in a Collection or View for a Domain.

-p

Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Reset for the Domain.
----------	---

deviceName	Name of the Device to Reset for the Domain.
deviceMac	MAC of the Device to Reset for the Domain.
collectionId	GUID of the Collection to Reset all Devices for the Domain.
siteViewId	GUID of the Site View to Reset all Devices for the Domain.
farmViewId	GUID of the Farm View to Reset all Devices for the Domain.
farmViewName	Name of the Farm View to Reset all Devices for the Domain.
or one of these required & resolutions	
collectionName	Name of the Collection to Reset all Devices for the Domain.
siteViewName	Name of the Site View to Reset all Devices for the Domain.
Optional	
domain	Domain to Reset the Device(s) for. If not included, the first Domain Controller found on the Server is used.
organizationUnit	Organizational Unit to reset the Device(s) to. This parameter is optional. If it is not specified, the account remains in its existing OU. Child OU's should be delimited with forward slashes, e.g. "ParentOU/ChildOU". Special characters in an OU name, such as '"', '#', '+', ',', ';', '>', '=', must be escaped with a backslash. For example, an OU called "commaIn,TheMiddle" must be specified as "commaIn\,TheMiddle". The old syntax of delimiting child OU's with a comma is still supported, but deprecated. Note that in this case, the child OU comes first, e.g. "ChildOU,ParentOU".
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.

Mcli-Run RestartStreamService

Restart the Stream Service on a Server or all Servers in a Site.

-p

Parameters needed for this Run.

One of these required

serverId	GUID of the Server to restart the Stream Service.
serverName	Name of the Server to restart the Stream Service.
siteId	GUID of the Site to restart the Stream Service on all Servers.
siteName	Name of the Site to restart the Stream Service on all Servers.

Mcli-Run RevertDiskVersion

Set the existing highest version disk to Maintenance or Test mode. A specified version can be reverted to Test mode if there are no Production version higher than it. If the mode is Test, it can be set to Maintenance.

-p

Parameters needed for this Run.

This required

diskLocatorId GUID of the Disk Locator File to Revert.
or this required & resolution

diskLocatorName Name of the Disk Locator File to Revert.
Optional

version Specifies the version number that should be Reverted to Test mode.
test If reverting the highest version and 1 then set the access to Test, otherwise set it to Maintenance.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

One of these resolutions when needed

storeId GUID of the Store that is needed when a diskLocatorName is used.

storeName Name of the Store that is needed when a diskLocatorName is used.

Mcli-Run SetOverrideVersion

Specify a Disk Version all Production Devices will boot from.

-p

Parameters needed for this Run.

This required

diskLocatorId GUID of the Disk Locator File to Override the Production Version for.

or this required & resolution

diskLocatorName Name of the Disk Locator File to Override the Production Version for.

Optional

version Version to set as the Override Production Version. If Version is not included and if there is an Override Production Version, then no longer have it as the Override Version.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

One of these resolutions when needed

storeId GUID of the Store that is needed when a diskLocatorName is used.

storeName Name of the Store that is needed when a diskLocatorName is used.

Mcli-Run SetupConnection

Setup the SOAP server connection that will be used for the MCLI and PowerShell command line interfaces.

-p

Parameters needed for this Run.

Optional

server	Server used for the connection. Default=localhost
port	Port used for the connection. Default=54321
user	User used for the connection. Default=Current user
domain	User domain used for the connection. Default=Current user
password	User password used for the connection. Default=Current user

Mcli-Run Shutdown

Shutdown a Device, Collection or View.

-p

Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Shutdown.
deviceName	Name of the Device to Shutdown.
deviceMac	MAC of the Device to Shutdown.
collectionId	GUID of the Collection to Shutdown all Devices.
siteViewId	GUID of the Site View to Shutdown all Devices.
farmViewId	GUID of the Farm View to Shutdown all Devices.
farmViewName	Name of the Farm View to Shutdown all Devices.
diskLocatorId	GUID of the DiskLocator to Shutdown all Devices.

or one of these required & resolutions

collectionName	Name of the Collection to Shutdown all Devices.
siteViewName	Name of the Site View to Shutdown all Devices.
diskLocatorName	Name of the DiskLocator to Shutdown all Devices.

Optional

message	Message to display before shutting down the Device(s). Default=The target device is being shutdown remotely by the Console.
delay	Number of seconds to delay before shutting down the Device(s). Default=10
version	Version of the Disk to Shutdown all Devices for. This is used with diskLocatorId or diskLocatorName.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

Mcli-Run StartStreamService

Start the Stream Service on a Server or all Servers in a Site.

-p

Parameters needed for this Run.

One of these required

serverId	GUID of the Server to start the Stream Service.
serverName	Name of the Server to start the Stream Service.
siteId	GUID of the Site to start the Stream Service on all Servers.
siteName	Name of the Site to start the Stream Service on all Servers.

Mcli-Run StopStreamService

Stop the Stream Service on a Server or all Servers in a Site.

-p

Parameters needed for this Run.

One of these required

serverId	GUID of the Server to stop the Stream Service.
serverName	Name of the Server to stop the Stream Service.
siteId	GUID of the Site to stop the Stream Service on all Servers.
siteName	Name of the Site to stop the Stream Service on all Servers.

Mcli-Run UnloadConnection

Unload the SOAP server connection so that it can be reconnected when needed for the PowerShell command line interfaces.

Mcli-Run UnlockAllDisk

Remove all locks for a Disk.

-p

Parameters needed for this Run.

This required

diskLocatorId	GUID of the Disk Locator to remove all locks for the Disk.
---------------	--

or this required & resolution

diskLocatorName	Name of Disk Locator to remove all locks for the Disk.
-----------------	--

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

Mcli-Run UnlockDisk

Remove lock for the Disk.

-p

Parameters needed for this Run.

This required

diskLocatorId	GUID of the Disk Locator to remove a lock for the Disk.
---------------	---

or this required & resolution

diskLocatorName	Name of the Disk Locator to remove a lock for the Disk.
-----------------	---

Optional

ownerId	GUID of the Owner of the Disk Lock.
---------	-------------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
--------	-------------------

siteName	Name of the Site.
----------	-------------------

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
---------	--

storeName	Name of the Store that is needed when a diskLocatorName is used.
-----------	--

Mcli-Run UnmapDisk

No longer Map the Disk.

Mcli-Run ValidateDirectory

Validate a Directory on the Server specified.

-p

Parameters needed for this Run.

One of these required

serverId	GUID of the Server to validate a Directory on.
----------	--

serverName	Name of the Server to validate a Directory on.
------------	--

This required

path	Path of the Directory to validate.
------	------------------------------------

This optional

readOnly	Indicates directory should be validated for a managed read-only store.
----------	--

Mcli-RunWithReturn

Mcli-RunWithReturn commandName[-p name=value[, name2=value2]]

Mcli-RunWithReturn CommandActions

Get a comma delimited list of Command Actions.

rv

If successful, this rv is filled with a string.

Mcli-RunWithReturn CreateDisk

Create a Disk and the Disk Locator for it. Return the GUID of the DiskLocator created. If "" is returned as the GUID, then call CreateDiskStatus to get the final GUID when processing finishes.

-p

Parameters needed for this Run.

This required

name Name of the Disk file to be created.

This required

size Size of the disk in Megabytes for a fixed size disk. Maximum size in Megabytes for a dynamically sized disk.

One of these required

storeId GUID of the Store that the Disk will be a member of.

storeName Name of the Store that the Disk will be a member of.

One of these required

siteId GUID of the Site.

siteName Name of the Site.

One of these optional

serverId GUID of the only Server for this Disk.

serverName Name of the only Server for this Disk.

Optional

description Description of the Disk that will be placed in the Disk Locator.

enabled The Disk will be created disabled if set to 0. It is created Enabled by default. Default=1

type Type of VHD that will be created. 1 for dynamic, or 0 for fixed. Default=0

vhdBlockSize Dynamic VHD block size. Options are 512kb, 2mb, 16mb. Default=2mb.

rv

If successful, this rv is filled with a string.

Mcli-RunWithReturn CreateDiskStatus

Get the Percent Finished for an active CreateDisk. When finished, the GUID of the DiskLocator created is returned.

-p

Parameters needed for this Run.

This required

name Name of the Disk file that is being created.

One of these required

storeId GUID of the Store that the Disk will be a member of.

storeName Name of the Store that the Disk will be a member of.

rv

If successful, this rv is filled with a string.

Mcli-RunWithReturn CreateMaintenanceVersion

Create a Maintenance version for the Disk Locator. Return the name of the new version file.

-p

Parameters needed for this Run.

This required

diskLocatorId GUID of the Disk Locator File to Enable Disk Maintenance on.

or this required & resolution

diskLocatorName Name of the Disk Locator File to Enable Disk Maintenance on.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

One of these resolutions when needed

storeId GUID of the Store that is needed when a diskLocatorName is used.

storeName Name of the Store that is needed when a diskLocatorName is used.

rv

If successful, this rv is filled with a string.

Mcli-RunWithReturn DeviceCount

Get count of Devices in a Collection or View.

-p

Parameters needed for this Run.

One of these required

collectionId GUID of the Collection to get the Device Count of.

siteViewId GUID of the Site View to get the Device Count of.

farmViewId GUID of the Farm View to get the Device Count of.

farmViewName Name of the Farm View to get the Device Count of.

or one of these required & resolutions

collectionName Name of the Collection to get the Device Count of.

siteViewName Name of the Site View to get the Device Count of.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

rv

If successful, this rv is filled with a string.

Mcli-RunWithReturn DiskLocatorCount

Get count of Disk Locators for a Site and Type.

-p

Parameters needed for this Run.

One of these required

siteId GUID of the Site to get the Disk Locator Count of.

siteName Name of the Site to get the Disk Locator Count of.

One of these optional

single Include single server connection when set to 1. If this and All are not included, both connection types are included.

all Include all server connections for the store when set to 1. If this and Single are not included, both connection types are included.

rv

If successful, this rv is filled with a string.

Mcli-RunWithReturn Enabled

Returns 1 if a Collection, Device, DiskLocator, or Device/DiskLocator is enabled. If a collectionName or diskLocatorName is specified, siteName or siteId must be included. If both the Device and DiskLocator are specified, the Enabled setting for the combination is returned.

-p

Parameters needed for this Run.

This optional

collectionId Collection GUID, to see if it is enabled.

One of these optional

deviceId Device GUID, to see if it is enabled. If diskLocatorName or diskLocatorId are also included the enabled setting for the combination is returned.

deviceName Device name, to see if it is enabled. If diskLocatorName or diskLocatorId are also included the enabled setting for the combination is returned.

deviceMac MAC of the Device, to see if it is enabled. If diskLocatorName or diskLocatorId are also included the enabled setting for the combination is returned.

This optional

diskLocatorId DiskLocator GUID, to see if it is enabled. If deviceName or deviceId are also included the enabled setting for the combination is returned.

or this optional & resolution

collectionName Collection name, to see if it is enabled.

This optional & resolution

diskLocatorName	DiskLocator name, to see if it is enabled. If deviceName or deviceId are also included the enabled setting for the combination is returned.
One of these resolutions when needed	
siteName	Name of the Site.
siteId	GUID of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

rv

If successful, this rv is filled with a string.

Mcli-RunWithReturn Exists

Returns 1 if a Site, Server, Collection, View, Device, Store, Update Task or Virtual Hosting Pool Name is already used. If a collectionName, siteViewName, updateTaskName or virtualHostingPoolName is specified, siteName or siteId must be included.

-p

Parameters needed for this Run.

This required

siteName	Name of the Site.
----------	-------------------

One of these required

serverName	Server name, to see if it is already used in the Farm.
------------	--

farmViewName	Farm View name, to see if it is already used in the Farm.
--------------	---

deviceName	Device name, to see if it is already used in the Farm.
------------	--

deviceMac	Device MAC, to see if it is already used in the Farm.
-----------	---

storeName	Store name, to see if it is already used.
-----------	---

or one of these required & resolutions

collectionName	Collection name, to see if it is already used in a Site.
----------------	--

siteViewName	Site View name, to see if it is already used in the Site.
--------------	---

virtualHostingPoolName	Virtual Hosting Pool name, to see if it is already used in a Site.
------------------------	--

updateTaskName	Update Task name, to see if it is already used in a Site.
----------------	---

diskLocatorName	DiskLocator name, to see if it is already used in a Site.
-----------------	---

One of these resolutions when needed

siteName	Name of the Site.
----------	-------------------

siteId	GUID of the Site.
--------	-------------------

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
---------	--

storeName	Name of the Store that is needed when a diskLocatorName is used.
-----------	--

rv

If successful, this rv is filled with a string.

Mcli-RunWithReturn ImportDisk

Import a Disk. It will add a Disk Locator for the Disk to the Site. A manifest file must exist in the Store. The return value is the GUID of the DiskLocator added.

-p

Parameters needed for this Run.

This required & resolution

diskLocatorName Name of the Disk Locator File. It is unique within the Store.

One of these optional

serverId GUID of the single Server that this Disk Locator is assigned to. It is not used with serverName.

serverName Name of the single Server that this Disk Locator is assigned to. It is not used with serverId.

Optional

description User description.

menuText Text that is displayed in the Bios Prompt auto-add. If this field has no value, the name value is used.

enabled 1 when this disk can be booted, 0 otherwise.

rebalanceEnabled 1 when this Server can automatically rebalance Devices, 0 otherwise.

rebalanceTriggerPercent Percent over fair load that triggers a dynamic Device rebalance.

subnetAffinity Qualifier for subnet affinity when assigning a Server. 0=None, 1=Best Effort, 2=Fixed.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

One of these resolutions when needed

storeId GUID of the Store that is needed when a diskLocatorName is used.

storeName Name of the Store that is needed when a diskLocatorName is used.

rv

If successful, this rv is filled with a string.

Mcli-RunWithReturn ListDirectories

Look for Directories or Drives on the Server specified. Return a comma delimited list of the Directories or Drives found.

-p

Parameters needed for this Run.

One of these required

serverId GUID of the Server to get a list of Directories or Drives.

serverName Name of the Server to get a list of Directories or Drives.

Optional path Path to get list of Directories for. If not specified, the Drives are returned.

rv
If successful, this rv is filled with a string.

Mcli-RunWithReturn MaintenanceVersionExists

Return 1 if the if the DiskLocator has a maintenance version, 0 otherwise.

-p
Parameters needed for this Run.
This required
diskLocatorId DiskLocator GUID, to see if it has a maintenance version.
or this required & resolution
diskLocatorName DiskLocator name, to see if it has a maintenance version.
One of these resolutions when needed
siteId GUID of the Site.
siteName Name of the Site.
One of these resolutions when needed
storeId GUID of the Store that is needed when a diskLocatorName is used.
storeName Name of the Store that is needed when a diskLocatorName is used.

rv
If successful, this rv is filled with a string.

Mcli-RunWithReturn MapDisk

Map a disk. If successful, the drive letter or an empty string is returned. An empty string can be returned if a drive letter was not assigned by the operating system before the maxDiskLetterWaitSeconds is used up.

-p
Parameters needed for this Run.
This required
diskLocatorId GUID of the Disk Locator to Map the Disk.
or this required & resolution
diskLocatorName Name of the Disk Locator to Map the Disk.
One of these optional
serverId Specific Server GUID to use to Map the Disk.
serverName Specific Server Name to use to Map the Disk.
Optional
maxDiskLetterWaitSeconds Once mapping a disk is successful, this is the maximum amount of seconds spent waiting for the operating system to return a drive letter. If the operating

system does not return a drive letter before the maximum wait time, then an empty string is returned. Default=30

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

rv
If successful, this rv is filled with a string.

Mcli-RunWithReturn MappedDiskId

If there is currently a mapped disk, return the diskLocatorId of the mapped disk.

-p
Parameters needed for this Run.

One of these optional

serverId	GUID of the Server.
serverName	Name of the Server.

One of these optional

storeId	GUID of the Store.
storeName	Name of the Store.

rv
If successful, this rv is filled with a string.

Mcli-RunWithReturn MappedDriveLetter

If there is currently a Mapped Drive, return the Letter of the Drive.

rv
If successful, this rv is filled with a string.

Mcli-RunWithReturn MinimumLastAutoAddDeviceNumber

Get the minimum that the Device Number of the last Auto Added Device can be.

-p
Parameters needed for this Run.

This required

collectionId	GUID of the Collection to get the Minimum lastAutoAddDeviceNumber for.
--------------	--

or this required & resolution

collectionName	Name of the Collection to get the Minimum lastAutoAddDeviceNumber for.
----------------	--

Optional

autoAddPrefix	The string put before the Device Number for Auto Add.
autoAddSuffix	The string put after the Device Number for Auto Add.

autoAddNumberLength The maximum length of the Device Number for Auto Add. This length plus the autoAddPrefix length plus the autoAddSuffix length must be less than 16.

One of these resolutions when needed

siteId GUID of the Site.
siteName Name of the Site.

rv

If successful, this rv is filled with a string.

Mcli-RunWithReturn RebalanceDevices

Rebalance Devices for a Server. When successful, returns the number of Devices affected.

-p

Parameters needed for this Run.

One of these required

serverId GUID of the Server to Rebalance Devices on, serverName.
serverName Name of the Server to Rebalance Devices on, serverId.

rv

If successful, this rv is filled with a string.

Mcli-RunWithReturn ServerCount

Get count of Servers in a Site.

-p

Parameters needed for this Run.

One of these required

siteId GUID of the Site to get the Server Count of.
siteName Name of the Site to get the Server Count of.

rv

If successful, this rv is filled with a string.

Mcli-RunWithReturn ServerName

Return the name of the Server the SoapServer is running on.

rv

If successful, this rv is filled with a string.

Mcli-RunWithReturn ServerStoreActiveDeviceCount

Get the count of Devices currently connected to any vdisk served from the Store by the Server.

-p

Parameters needed for this Run.

One of these required

serverId	GUID of the Server.
serverName	Name of the Server.
One of these required	
storeId	GUID of the Store.
storeName	Name of the Store.

rv
If successful, this rv is filled with a string.

Mcli-RunWithReturn StoreFreeSpace

Get the free megabytes available in the Store.

-p
Parameters needed for this Run.
One of these required & resolutions

storeId	GUID of the Store.
storeName	Name of the Store.
One of these resolutions when needed	
serverId	GUID of the Server to use to determine the free space in the Store.
serverName	Name of the Server to use to determine the free space in the Store.
siteId	GUID of the Site.
siteName	Name of the Site.

rv
If successful, this rv is filled with a string.

Mcli-RunWithReturn TaskStatus

Get the status of a Task in percent complete.

-p
Parameters needed for this Run.
This required

taskId	Id of the Task to get the Status of.
--------	--------------------------------------

rv
If successful, this rv is filled with a string.

Mcli-Set

Mcli-Set commandName[-p name=value[, name2=value2]][-r field=value[, field2=value2]]

Mcli-Set AuthGroup

Set one or more field values for an AuthGroup.

-p
Parameters needed to identify the record to be changed.
One of these required

authGroupId	GUID of the AuthGroup to Set.
authGroupName	Name of the AuthGroup to Set.

-r
Record containing the new values for fields to be changed.

authGroupName	Name of the Active Directory or Windows Group. Max Length=450
description	User description. Default="" Max Length=250

Mcli-Set Collection

Set one or more field values for a Collection.

-p

Parameters needed to identify the record to be changed.

This required

collectionId	GUID of the Collection to Set.
--------------	--------------------------------

or this required & resolution

collectionName	Name of the Collection to Set.
----------------	--------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
--------	-------------------

siteName	Name of the Site.
----------	-------------------

-r

Record containing the new values for fields to be changed.

collectionName	Name of the Collection. It is unique within the Site. Max Length=50
----------------	---

description	User description. Default="" Max Length=250
-------------	---

templateDeviceId	GUID of a Device in the Collection whose settings are used for initial values of new Devices. Not used with templateDeviceName. Default=null Length=36
------------------	--

templateDeviceName	Name of a Device in the Collection whose settings are used for initial values of new Devices. Not used with templateDeviceId. Default=null
--------------------	--

lastAutoAddDeviceNumber	The Device Number of the last Auto Added Device. Default=0
-------------------------	--

enabled	1 when Devices in the Collection can be booted, 0 otherwise. Default=1
---------	--

autoAddPrefix	The string put before the Device Number for Auto Add. Default=null ASCII computer name characters no end digit Max Length=12
---------------	--

autoAddSuffix	The string put after the Device Number for Auto Add. Default=null ASCII computer name characters no begin digit Max Length=12
---------------	---

autoAddZeroFill	1 when zeros be placed before the Device Number up to the autoAddNumberLength for Auto Add, 0 otherwise. Default=1
-----------------	--

autoAddNumberLength	The maximum length of the Device Number for Auto Add. This length plus the autoAddPrefix length plus the autoAddSuffix length must be less than 16. Required that ((lenautoAddPrefix+lenautoAddSuffix)+autoAddNumberLength)<=15. Min=3, Max=9, Default=4
---------------------	--

Mcli-Set Device

Set one or more field values for one or more Devices.

-p

Parameters needed to identify the record to be changed.

One of these required

deviceId	GUID of the Device to Set.
deviceName	Name of the Device to Set.
deviceMac	MAC of the Device to Set.
collectionId	GUID of the Collection to set all Devices. deviceName and deviceMac cannot be set.
siteViewId	GUID of the Site View to set all Devices. deviceName and deviceMac cannot be set.
farmViewId	GUID of the Farm View to set all Devices. deviceName and deviceMac cannot be set.
farmViewName	Name of the Farm View to set all Devices. deviceName and deviceMac cannot be set.

or one of these required & resolutions

collectionName	Name of the Collection to set all Devices. deviceName and deviceMac cannot be set.
siteViewName	Name of the Site View to set all Devices. deviceName and deviceMac cannot be set.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

-r

Record containing the new values for fields to be changed.

deviceName	Computer name with no spaces. ASCII computer name characters Max Length=15
description	User description. Default="" Max Length=250
deviceMac	Ethernet address as a string in the form XX-XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17
bootFrom	Device to boot from. Choices are 1 for vDisk, 2 for Hard Disk, and 3 for Floppy. Min=1, Max=3, Default=1
className	Used by Automatic Update feature to match new versions of Disks to a Device. Default="" Max Length=41
port	UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901
enabled	1 when it can be booted, 0 otherwise. Default=1
localDiskEnabled	If there is a local disk menu choice for the Device, this is 1. Default=0
authentication	Device log in authentication. Choices are 0 for none, 1 for User Name/Password, and 2 for Extern. Min=0, Max=2, Default=0
user	Name of user to authenticate before the boot process continues. Default="" ASCII Max Length=20

password	Password of user to authenticate before the boot process continues. Default="" ASCII Max Length=100
adTimestamp	The time the Active Directory machine account password as generated. Default=0
adSignature	The signature of the Active Directory machine account password. Default=0
logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=0
domainName	Fully qualified name of the domain that the Device belongs to. Default=null Max Length=255
domainObjectSID	The value of the objectSID AD attribute of the same name for the Device's computer account. Default=null Max Length=186
domainControllerName	The name of the DC used to create the host's computer account. Default=null Max Length=4000
domainTimeCreated	The time that the computer account was created. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=null
type	1 when it performs test of Disks, 2 when it performs maintenance on Disks, 0 otherwise. Min=0, Max=2, Default=0

Mcli-Set Disk

Set one or more field values for a Disk.

-p

Parameters needed to identify the record to be changed.

This required

diskLocatorId GUID of the Disk Locator.

or this required & resolution

diskLocatorName Name of the Disk Locator.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

One of these resolutions when needed

storeId GUID of the Store that is needed when a diskLocatorName is used.

storeName Name of the Store that is needed when a diskLocatorName is used.

-r

Record containing the new values for fields to be changed.

class Class of the Disk. Max Length=40

imageType Type of this image (software type). Max Length=40

writeCacheSize Cache size. Min=0, Max=4294967295, Default=0

autoUpdateEnabled Automatically update this image for matching Devices when set to 1.

activationDateEnabled	Use activation date to activate image when set to 1.
adPasswordEnabled	Enable AD password management when set to 1.
printerManagementEnabled	Invalid printers will be deleted from the Device when set to 1.
writeCacheType	0 (Private), (other values are standard image) 1 (Cache on Server), 2 (Cache on Server Encrypted), 3 (Cache in Device RAM), 4 (Cache on Device Hard Drive), 5 (Cache on Device Hard Drive Encrypted), 6 (Device RAM Disk), or 7 (Cache on Server Persistent). Min=0, Max=8, Default=0
licenseMode	0 (None), 1 (Multiple Activation Key), or 2 (Key Management Service). Min=0, Max=2, Default=0
activeDate	Date to activate the disk if activationDateEnabled is 1. Format is yyyy/mm/dd
longDescription	Description of the Disk. Max Length=399
serialNumber	User defined serial number. Max Length=36
date	User defined date. Default format is MM/dd/yyyy HH:mm:ss. Max Length=40
author	User defined author. Max Length=40
title	User defined title. Max Length=40
company	User defined company. Max Length=40
internalName	User defined name. Max Length=63
originalFile	User defined original file. Max Length=127
hardwareTarget	User defined hardware target. Max Length=127
majorRelease	User defined major release number. Min=0, Max=4294967295, Default=0
minorRelease	User defined minor release number. Min=0, Max=4294967295, Default=0
build	User defined build number. Min=0, Max=4294967295, Default=0

Mcli-Set DiskLocator

Set one or more field values for a Disk Locator.

-p

Parameters needed to identify the record to be changed.

This required

diskLocatorId GUID of the Disk Locator to Set.

or this required & resolution

diskLocatorName Name of the Disk Locator File to Set.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

One of these resolutions when needed

storeId GUID of the Store that is needed when a diskLocatorName is used.

storeName Name of the Store that is needed when a diskLocatorName is used.

-r
Record containing the new values for fields to be changed.

description	User description. Default="" Max Length=250
menuText	Text that is displayed in the Bios Prompt auto-add. If this field has no value, the name value is used. Default="" ASCII Max Length=64
serverId	GUID of the single Server that this Disk Locator is assigned to. It is not used with serverName. Default=null Length=36
serverName	Name of the single Server that this Disk Locator is assigned to. It is not used with serverId. Default=null
enabled	1 when this disk can be booted, 0 otherwise. Default=1
rebalanceEnabled	1 when this Server can automatically rebalance Devices, 0 otherwise. Default=0
rebalanceTriggerPercent	Percent over fair load that triggers a dynamic Device rebalance. Min=5, Max=5000, Default=25
subnetAffinity	Qualifier for subnet affinity when assigning a Server. 0=None, 1=Best Effort, 2=Fixed. Min=0, Max=2, Default=0

Mcli-Set DiskUpdateDevice

Set one or more field values for a Disk Update Device.

-p
Parameters needed to identify the record to be changed.
One of these required

deviceId	GUID of the Disk Update Device to Set.
deviceName	Name of Disk Update Device to Set.
deviceMac	MAC of Disk Update Device to Set.
diskLocatorId	GUID of the DiskLocator to Set the Disk Update Device for.

One of these required

siteId	GUID of the Site. Can be used alone to Set all Disk Update Devices in the Site.
siteName	Name of the Site. Can be used alone to Set all Disk Update Devices in the Site.

or this required & resolution

diskLocatorName	Name of the DiskLocator to Set the Disk Update Device for.
-----------------	--

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

-r
Record containing the new values for fields to be changed.

description	User description. Default="" Max Length=250
port	UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901
adTimestamp	The time the Active Directory machine account password as generated. Default=0
adSignature	The signature of the Active Directory machine account password. Default=0
logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=0
domainName	Fully qualified name of the domain that the Device belongs to. Default=null Max Length=255
domainObjectSID	The value of the objectSID AD attribute of the same name for the Device's computer account. Default=null Max Length=186
domainControllerName	The name of the DC used to create the host's computer account. Default=null Max Length=4000
domainTimeCreated	The time that the computer account was created. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=null

Mcli-Set DiskVersion

Set one or more field values for one Disk Version.

-p

Parameters needed to identify the record to be changed.

This required

diskLocatorId GUID of the Disk Locator Version to Set.

This required

version Version to Set.

or this required & resolution

diskLocatorName Name of the Disk Locator Version to Set.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

One of these resolutions when needed

storeId GUID of the Store that is needed when a diskLocatorName is used.

storeName Name of the Store that is needed when a diskLocatorName is used.

-r

Record containing the new values for fields to be changed.

description User description. Default="" Max Length=250

scheduledDate Date/Time that the Disk Version is scheduled to become available. Format is: YYYY-MM-DD HH:MM. When empty, the disk version is made available immediately. Default=null

Mcli-Set Farm

Set one or more field values for a Farm.

-p

Parameters needed to identify the record to be changed.

Optional

farmId GUID of the Farm to Set. This is optional since there is only one Farm.

-r

Record containing the new values for fields to be changed.

farmName Name of the Farm. Default="" Max Length=50

description User description. Default="" Max Length=250

autoAddEnabled 1 when Auto Add is enabled, 0 otherwise. Default=0

auditingEnabled 1 when Auditing is enabled, 0 otherwise. Default=0

lastAuditArchiveDate Last date of Audit Trail data that was Archived. Format is yyyy/mm/dd Default=null

defaultSiteId GUID of the Site to place new Devices into automatically. Not used with defaultSiteName. Default=null Length=36

defaultSiteName Name of the Site to place new Devices into automatically. Not used with defaultSiteId. Default=null

offlineDatabaseSupportEnabled 1 when Offline Database Support is enabled, 0 otherwise. Default=0

licenseServer License server name. Default="" Max Length=255

licenseServerPort License server port. Min=1025, Max=65534, Default=27000

automaticMergeEnabled 1 when Automatic Merge is enabled, 0 otherwise. If the number of versions becomes more than the maxVersions value, a merge will occur at the end of PromoteDiskVersion. Default=1

maxVersions Maximum number a versions of a Disk that can exist before a merge will automatically occur. Min=3, Max=50, Default=5

mergeMode Mode to place the version in after an automatic merge has occurred. Values are: 0 (Production), 1 (Test) and 2 (Maintenance). Min=0, Max=2, Default=2

Mcli-Set FarmView

Set one or more field values for a Farm View.

-p

Parameters needed to identify the record to be changed.

One of these required

farmViewId GUID of the Farm View to Set.

farmViewName Name of the Farm View to Set.

-r

Record containing the new values for fields to be changed.

farmViewName name of the Farm View. Max Length=50

description User description. Default="" Max Length=250

Mcli-Set Server

Set one or more field values for a Server. Restart the Stream Service after setting the fields.

-p

Parameters needed to identify the record to be changed.

One of these required

serverId GUID of the Server to Set.

serverName Name of the Server to Set.

-r

Record containing the new values for fields to be changed.

serverName Computer name with no spaces. ASCII computer name characters Max Length=21

description User description. Default="" Max Length=250

adMaxPasswordAge Number of days before a password expires. Min=1, Max=30, Default=7

licenseTimeout Amount of time before a license times out. Min=15, Max=300, Default=30

vDiskCreatePacing VDisk create time pacing. Min=0, Max=5, Default=0

firstPort Number of the first UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6910

lastPort Number of the last UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6930

threadsPerPort Number of worker threads per IO port. Required that (threadPerPort * numberPorts * numberIPs) <= 1000. Min=1, Max=60, Default=8

buffersPerThread Number of buffers per worker thread. Min=1, Max=128, Default=24

serverCacheTimeout Number of seconds to wait before considering another Server is down. Min=5, Max=60, Default=8

ioBurstSize Number of bytes read/writes can send in a burst of packets. Required that ioBurstSize/(maxTransmissionUnits-76)<=32. Min=4096, Max=61440, Default=32768

maxTransmissionUnits Ethernet maximum transmission unit size for the protocol for use for Server and Device. Required that

ioBurstSize/(maxTransmissionUnits-76)<=32. Min=502, Max=16426, Default=1506

maxBootDevicesAllowed Maximum number of Devices allowed to boot simultaneously. Min=1, Max=1000, Default=500

maxBootSeconds Maximum number of seconds for a Device to boot. Min=10, Max=900, Default=60

bootPauseSeconds Number of seconds that a Device will pause during login if its server busy. Min=1, Max=60, Default=10

autoUpdateHour The hour of the day to perform the Auto-Update. Min=0, Max=23, Default=0

autoUpdateMinute The minute of the hour to perform the Auto-Update. Min=0, Max=59, Default=0

adMaxPasswordAgeEnabled Age the password, when set to 1. Default=0

eventLoggingEnabled Enable event logging, when set to 1. Default=0

nonBlockingIoEnabled Use non-Blocking IO, when set to 1. Default=1

autoUpdateEnabled 1 if the Auto-Update feature is enabled, 0 otherwise. Default=0

ip One or more ip addresses. If more than one ip is included, the ip addresses are comma delimited.

initialQueryConnectionPoolSize Initial size of database connection pool for non-transactional queries. Min=1, Max=1000, Default=50

initialTransactionConnectionPoolSize Initial size of database connection pool for transactional queries. Min=1, Max=1000, Default=50

maxQueryConnectionPoolSize Maximum size of database connection pool for non-transactional queries. Min=1, Max=32767, Default=1000

maxTransactionConnectionPoolSize Maximum size of database connection pool for transactional queries. Min=1, Max=32767, Default=1000

refreshInterval Interval, in number of seconds, the server should wait before refreshing settings. Min=0, Max=32767, Default=300

unusedDbConnectionTimeout Interval, in number of seconds, the server should wait before releasing an unused database connection. If set to 0, unused database connections are never released. Min=0, Max=32767, Default=300

busyDbConnectionRetryCount Number of times a failed database connection will be retried. Min=0, Max=32767, Default=2

busyDbConnectionRetryInterval Interval, in number of milliseconds, the server should wait before retrying to connect to a database. Min=0, Max=10000, Default=25

localConcurrentIoLimit Maximum concurrent IO transactions it performs for vDisks that are local. A value of 0 disables the feature. Min=0, Max=128, Default=4

remoteConcurrentIoLimit	Maximum concurrent IO transactions it performs for vDisks that are remote. A value of 0 disables the feature. Min=0, Max=128, Default=4
ramDiskIpAddress	IP address to use for transferring the RAM Disk. When equal to 0.0.0.0 the server IP is used with the first part replaced with 233. Default=0.0.0.0
ramDiskTimeToLive	Time to live for the invitation packet sent to Devices. Min=1, Max=255, Default=1
ramDiskInvitationType	Either 0 for Fixed, or 1 for Variable. Default=0
ramDiskInvitationPeriod	The amount of time in seconds that invitations are sent to Devices. Min=1, Max=300, Default=10
logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=4
logFileSizeMax	Maximum size log files can reach in Megabytes. Min=1, Max=50, Default=5
logFileBackupCopiesMax	Maximum number of log file backups. Min=1, Max=50, Default=4
powerRating	A strictly relative rating of this Server's capabilities when compared to other Servers in the Store(s) it belongs too; can be used to help tune load balancing. Min=0.1, Max=1000, Default=1

Mcli-Set ServerBiosBootstrap

Oem Only: Sets the bootstrap fields for the Server dell_bios.bin BIOS bootstrap file.

-p

Parameters needed to identify the record to be changed.

One of these required

serverId	GUID of the Server to Set the dell_bios.bin BIOS bootstrap file.
serverName	Name of the Server to Set the dell_bios.bin BIOS bootstrap file.

-r

Record containing the new values for fields to be changed.

enabled	Automatically update the BIOS on the target device with these setting when set to 1, otherwise do not use these settings. Default=0
dhcpEnabled	Use DHCP to retrieve target device IP when set to 1, otherwise use the static domain, dnsIpAddress1 and dnsIpAddress2 settings. Default=1
lookup	Use DNS to find the Server when set to 1 with the serverName host value, otherwise use the bootserver1_Ip, bootserver1_Port, bootserver2_Ip, bootserver2_Port,

	bootserver3_Ip, bootserver3_Port, bootserver4_Ip, and bootserver4_Port settings. Default=1
verboseMode	Display verbose diagnostic information when set to 1. Default=0
interruptSafeMode	Interrupt safe mode (use if target device hangs during boot) when set to 1. Default=0
paeMode	PAE mode (use if PAE enabled in boot.ini of target device) when set to 1. Default=0
bootFromHdOnFail	For network recovery reboot to hard drive when set to 1, restore network connection when set to 0. Default=0
recoveryTime	When bootFromHdOnFail is 1, this is the number of seconds to wait before reboot to hard drive. Min=10, Max=60000, Default=50
pollingTimeout	Login polling timeout in milliseconds. Min=1000, Max=60000, Default=5000.
generalTimeout	Login general timeout in milliseconds. Min=1000, Max=60000, Default=5000.
serverName	Host to use for DNS lookup. Only used when lookup is 1. Default=IMAGESERVER1
bootserver1_Ip	1st boot server IP. Only used when lookup is 0.
bootserver1_Port	1st boot server port. Only used when lookup is 0. Min=1025, Max=65536, Default=6910
bootserver2_Ip	2nd boot server IP. Only used when lookup is 0. Default=0.0.0.0
bootserver2_Port	2nd boot server port. Only used when lookup is 0. Min=1025, Max=65536, Default=6910
bootserver3_Ip	3rd boot server IP. Only used when lookup is 0. Default=0.0.0.0
bootserver3_Port	3rd boot server port. Only used when lookup is 0. Min=1025, Max=65536, Default=6910
bootserver4_Ip	4th boot server IP. Only used when lookup is 0. Default=0.0.0.0
bootserver4_Port	4th boot server port. Only used when lookup is 0. Min=1025, Max=65536, Default=6910
domain	Domain of the primary and secondary DNS servers. Only used when dhcpEnabled is 0.
dnsIpAddress1	Primary DNS server IP. Only used when dhcpEnabled is 0.
dnsIpAddress2	Secondary DNS server IP. Only used when dhcpEnabled is 0.

Mcli-Set ServerBootstrap

Sets the bootstrap fields for the Server and named bootstrap file specified.

-p

Parameters needed to identify the record to be changed.

One of these required

serverId	GUID of the Server to Set the named bootstrap file on.
serverName	Name of the Server to Set the named bootstrap file on.

This required

name	Name of the bootstrap file.
------	-----------------------------

-r

Record containing the new values for fields to be changed.

bootserver1_Ip	1st boot server IP.
bootserver1_Netmask	1st boot server netmask. Default=0.0.0.0
bootserver1_Gateway	1st boot server gateway. Default=0.0.0.0
bootserver1_Port	1st boot server port. Min=1025, Max=65536, Default=6910
bootserver2_Ip	2nd boot server IP. Default=0.0.0.0
bootserver2_Netmask	2nd boot server netmask. Default=0.0.0.0
bootserver2_Gateway	2nd boot server gateway. Default=0.0.0.0
bootserver2_Port	2nd boot server port. Min=1025, Max=65536, Default=6910
bootserver3_Ip	3rd boot server IP. Default=0.0.0.0
bootserver3_Netmask	3rd boot server netmask. Default=0.0.0.0
bootserver3_Gateway	3rd boot server gateway. Default=0.0.0.0
bootserver3_Port	3rd boot server port. Min=1025, Max=65536, Default=6910
bootserver4_Ip	4th boot server IP. Default=0.0.0.0
bootserver4_Netmask	4th boot server netmask. Default=0.0.0.0
bootserver4_Gateway	4th boot server gateway. Default=0.0.0.0
bootserver4_Port	4th boot server port. Min=1025, Max=65536, Default=6910
verboseMode	Display verbose diagnostic information when set to 1. Default=0
interruptSafeMode	Interrupt safe mode (use if target device hangs during boot) when set to 1. Default=0
paemode	PAE mode (use if PAE enabled in boot.ini of target device) when set to 1. Default=0
bootFromHdOnFail	For network recovery reboot to hard drive when set to 1, restore network connection when set to 0. Default=0
recoveryTime	When bootFromHdOnFail is 1, this is the number of seconds to wait before reboot to hard drive. Min=10, Max=60000, Default=50
pollingTimeout	Login polling timeout in milliseconds. Min=1000, Max=60000, Default=5000.
generalTimeout	Login general timeout in milliseconds. Min=1000, Max=60000, Default=5000.

Mcli-Set ServerStore

Set the directory path and cache paths of a Server for a Store.

-p

Parameters needed to identify the record to be changed.

One of these required

serverId	GUID of a Server that uses the path to get to the Store.
serverName	Name of a Server that uses the path to get to the Store.

One of these required

storeId	GUID of the Store.
storeName	Name of the Store.

-r
Record containing the new values for fields to be changed.

path	Directory path that the Server uses to access the Store. Default="" Max Length=255
cachePath	Cache path(s) that the Server uses with the Store. It is an ordered comma-delimited list.

Mcli-Set Site

Set one or more field values for a Site.

-p
Parameters needed to identify the record to be changed.

One of these required

siteId	GUID of the Site to Set.
siteName	Name of the Site to Set.

-r
Record containing the new values for fields to be changed.

siteName	Name of the Site. Max Length=50
description	User description. Default="" Max Length=250
defaultCollectionId	GUID of the Collection to place new Devices into automatically. Not used with defaultCollectionName. Default=null Length=36
defaultCollectionName	Name of the Collection to place new Devices into automatically. Not used with defaultCollectionId. Default=null
inventoryFilePollingInterval	The number of seconds between polls for Disk changes in the Stores. Min=1, Max=600, Default=60
enableDiskUpdate	1 when Disk Updated is enabled for the Site, 0 otherwise. Default=0
diskUpdateServerId	GUID of the Disk Update Server for the Site. Not used with diskUpdateServerName. Default=null Length=36
diskUpdateServerName	Name of the Disk Update Server for the Site. Not used with diskUpdateServerId. Default=null
makUser	User name used for MAK activation. When retrieved, the result will be encrypted. Default=null Max Length=64
makPassword	User password used for MAK activation. When retrieved, the result will be encrypted. Default=null Max Length=64

Mcli-Set SiteView

Set one or more field values for a Site View.

-p

Parameters needed to identify the record to be changed.

This required

siteViewId GUID of the Site View to Set.
or this required & resolution

siteViewName Name of the Site View to Set.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

-r

Record containing the new values for fields to be changed.

siteViewName name of the Site View. Max Length=50

description User description. Default="" Max
Length=250

Mcli-Set Store

Set one or more field values for a Store.

-p

Parameters needed to identify the record to be changed.

One of these required

storeId GUID of the Store to Set.

storeName Name of the Store to Set.

-r

Record containing the new values for fields to be changed.

storeName Name of the Store. Max Length=50

siteId GUID of the Site where Administrators of
that Site can change this Store. Not used
for Farm Stores. siteName can be used
instead. Default=null Length=36

siteName Name of the Site where Administrators of
that Site can change this Store. Not used
for Farm Stores. siteId can be used
instead. Default=null

description User description. Default="" Max
Length=250

path Default directory path that the Servers
use to access this Store. Max Length=255

cachePath Default Cache path(s) that the Servers
use with this Store. It is an ordered
comma-delimited list.

Mcli-Set UpdateTask

Set one or more field values for a Update Task.

-p

Parameters needed to identify the record to be changed.

This required

updateTaskId GUID of the Update Task to Set.

or this required & resolution

updateTaskName Name of the Update Task to Set.
 One of these resolutions when needed
 siteId GUID of the Site.
 siteName Name of the Site.

-r

Record containing the new values for fields to be changed.

updateTaskName Name of the Update Task. It is unique
 within the Site. Max Length=50
 description User description. Default="" Max
 Length=250
 enabled 1 when it will be processed, 0 otherwise.
 Default=1
 hour The hour of the day to perform the task.
 Min=0, Max=23, Default=0
 minute The minute of the hour to perform the
 task. Min=0, Max=59, Default=0
 recurrence The update will reoccur on this schedule.
 0 = None, 1 = Daily, 2 = Every Weekday, 3
 = Weekly, 4 = Monthly Date, 5 = Monthly
 Type. Min=0, Max=5, Default=0
 dayMask Days selected values. 1 = Monday, 2 =
 Tuesday, 4 = Wednesday, 8 = Thursday, 16
 = Friday, 32 = Saturday, 64 = Sunday, 128
 = Day. Default=0. This is used with
 Weekly and Monthly Type recurrence.
 Min=1, Max=255, Default=4
 date Comma delimited days of the month.
 Numbers from 1-31 and , between are the
 only valid values. This is used with
 Monthly Date recurrence. Default="" Max
 Length=83
 monthlyOffset When to happen monthly. 0 = None, 1 =
 First, 2 = Second, 3 = Third, 4 = Forth,
 5 = Last. This is used with Monthly Type
 recurrence. Min=0, Max=5, Default=3
 esdType Esd to use. Default=null Max Length=50
 preUpdateScript Script file to run before the update
 starts. Default=null Max Length=255
 preVmScript Script file to run before the VM is
 loaded. Default=null Max Length=255
 postUpdateScript Script file to run after the update
 finishes. Default=null Max Length=255
 postVmScript Script file to run after the VM is
 unloaded. Default=null Max Length=255
 domain Domain to add the Disk Update Device(s)
 to. If not included, the first Domain
 Controller found on the Server is used.
 Default=null Max Length=255
 organizationUnit Organizational Unit to add the Disk
 Update Device(s) to. This parameter is
 optional. If it is not specifed, the
 device is added to the builtin Computers
 container. Child OU's should be delimited
 with forward slashes, e.g.
 "ParentOU/ChildOU". Special characters in
 an OU name, such as '"', '#', '+', ',',

';', '>', '=', must be escaped with a backslash. For example, an OU called "commaIn,TheMiddle" must be specified as "commaIn\,TheMiddle". The old syntax of delimiting child OU's with a comma is still supported, but deprecated. Note that in this case, the child OU comes first, e.g. "ChildOU,ParentOU".
 Default=null Max Length=255

postUpdateApprove Access to place the version in after the update has occurred. 0 = Production, 1 = Test, 2 = Maintenance. Min=0, Max=2, Default=0

Mcli-Set VirtualHostingPool

Set one or more field values for a Virtual Hosting Pool.

-p
 Parameters needed to identify the record to be changed.
 This required

virtualHostingPoolId	GUID of the Virtual Hosting Pool to Set.
or this required & resolution	
virtualHostingPoolName	Name of the Virtual Hosting Pool to Set.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.

-r
 Record containing the new values for fields to be changed.

virtualHostingPoolName	Name of the Virtual Hosting Pool. It is unique within the Site. Max Length=50
type	Type of the Virtual Hosting Pool. 0 = Citrix XenServer, 1 = Microsoft SCVMM, 2 = Microsoft Hyper-V, 3 = VMWare ESX. Min=0, Max=3, Default=0
description	User description. Default="" Max Length=250
server	Name or IP of the Host Server. Max Length=255
port	Port of the Host Server. Min=80, Max=65534, Default=80
updateLimit	Number of updates at the same time. Min=2, Max=1000, Default=1000
updateTimeout	Timeout for updates. Min=2, Max=60, Default=30
shutdownTimeout	Timeout for shutdown. Min=2, Max=30, Default=10
userName	Name to use when logging into the Server.
password	Password to use when logging into the Server.

Mcli-SetList

Mcli-SetList commandName[-p name=value[, name2=value2]][-r record1field=value[, record1field2=value2][, record2field=value[, record2field2=value2]]]

Mcli-SetList DeviceBootstraps

Set the Bootstrap Files for a Device.

-p

Parameters needed to identify the record to be changed.

One of these required

deviceId	GUID of the Device.
deviceName	Name of the Device.
deviceMac	MAC of the Device.

-r

Records with fields to set.

bootstrap	Name of the bootstrap file. Max Length=259
menuText	Text that is displayed in the Boot Menu. If this field has no value, the bootstrap value is used. Default="" ASCII Max Length=64

Mcli-SetList DeviceCustomProperty

Set the Device Custom Property names and values.

-p

Parameters needed to identify the record to be changed.

One of these required

deviceId	GUID of the Device.
deviceName	Name of the Device.
deviceMac	MAC of the Device.

-r

Records with fields to set.

name	Name of the Device custom property. Max Length=250
value	Value of the Device custom property. Max Length=1000

Mcli-SetList DeviceDiskPrinters

Set one or more Printer settings. Only the changed items need to be passed. To remove a Printer, set it as disabled.

-p

Parameters needed to identify the record to be changed.

One of these required

deviceId	GUID of the Device.
deviceName	Name of the Device.
deviceMac	MAC of the Device.

This required

diskLocatorId	GUID of the Disk Locator.
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or this required & resolution

diskLocatorName	Name of the Disk Locator File.
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One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
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storeName	Name of the Store that is needed when a diskLocatorName is used.
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-r
Records with fields to set.

name	Name of the Printer. Must come from the list of Printers available on the Disk.
state	Valid states are 1 (enabled network), 2 (enabled local), or 3 (default). 0 (disabled) can be used when setting a Printer that used to be 1 or 2 to 0. The list of all Printers available come from the Disk. Min=0, Max=3

Mcli-SetList DevicePersonality

Set the Device Personality names and values.

-p
Parameters needed to identify the record to be changed.
One of these required

deviceId	GUID of the Device.
deviceName	Name of the Device.
deviceMac	MAC of the Device.

-r
Records with fields to set.

name	Name of the Device personality item. Max Length=250
value	Value for the Device personality item. Max Length=1000

Mcli-SetList DiskLocatorCustomProperty

Set the DiskLocator Custom Property names and values.

-p
Parameters needed to identify the record to be changed.
This required

diskLocatorId	GUID of the Disk Locator.
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or this required & resolution

diskLocatorName	Name of the Disk Locator.
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One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

-r
Records with fields to set.

name	Name of the DiskLocator custom property. Max Length=250
value	Value of the DiskLocator custom property. Max Length=1000

Mcli-SetList ServerCustomProperty

Set the Server Custom Property names and values.

-p

Parameters needed to identify the record to be changed.

One of these required

serverId	GUID of the Server.
serverName	Name of the Server.

-r

Records with fields to set.

name	Name of the Server custom property. Max Length=250
value	Value of the Server custom property. Max Length=1000