CA Server Automation

CA Process Automation Connector Reference Guide

Release 12.7

CA Technologies Product References

This document may reference the following CA Technologies products and components or third-party components:

- CA AppLogic®
- CA Configuration Automation, formerly CA Application Configuration Manager (CA ACM)
- CA eHealth®
- CA Embedded Entitlements Manager (CA EEM)
- CA IT Asset Manager (CA ITAM)
- CA IT Client Manager (CA ITCM)
- CA Network and Systems Management (CA NSM)
- CA Network Automation™
- CA Patch Manager
- CA Process Automation, formerly CA IT Process Automation Manager (CA IT PAM)
- CA Server Automation
- CA Service Desk Manager (CA SDM)
- CA Software Delivery, a component of CA IT Client Manager
- CA Spectrum® Infrastructure Manager (CA Spectrum)
- CA SystemEDGE
- Racemi DynaCenter®

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Chapter 1: Import Connectors into CA Process Automation

CA Server Automation connectors are stored in an XML file that you can import into CA Process Automation manually.

To import CA Server Automation connectors into CA Process Automation manually:

1. Launch the CA Process Automation client.
2. Highlight the root folder in the CA Process Automation management client.
3. Right-click Import.
4. Browse to the file CA_Server_Automation.xml on the CA Server Automation server in the following location:

   `C:\Program Files\CA\`*`productname`*`\bin\`
5. Select the following options In the Import Object dialog:
   - Set Imported Version As Current
   - Make Imported Custom Operators/Sensors Available

The connectors become current and available to users.

To import CA Server Automation connectors into CA Process Automation using the ITPAMexport utility:

1. Click Start, CA, CA Server Automation Command Prompt.

   Command Prompt window opens.
2. Run the following command:

   `C:\Program Files\CA\`*`productname`*`\bin\itpamexport`

   The command accepts the following arguments:

   `<ITPAM Server> <user> <password> CA Portal <protocol> <import file>`

   Example:

   `C:\Program Files\CA\`*`productname`*`\bin\itpamexport hostname.ca.com pamadmin <password> 8080 http CA_Server_Automation.xml`

In the CA Process Automation client, the latest connectors are located here:

`/Custom Operators/CA Server Automation`

Chapter 2: Connector Syntax

Use the following syntax for the CA Server Automation connectors:

- All fields expect an expression (variable) as a parameter value, unless otherwise specified.
- Enclose the examples provided in double quotation marks.
- When providing parameter values in Request Forms, the double quotation marks around parameters are not required. For more information, see the CA Process Automation documentation.
- Unless otherwise specified, the connect parameters for all components are:

  CA Server Automation Manager URL

  Specifies the URL located under the Administration, Configuration tabs in the UI.

  Example: "https://localhost:443/dpm"

  Login User

  Specifies the CA Server Automation user with corresponding permissions.

  Example: "saadmin"

  Login Password

  Specifies the CA Server Automation password associated with the login user.

  Example: "adminpassword"

  Note: In a distributed environment, the first connector in each process should be *Query Service Controller.*

  Each subsequent controller should contain an expression (variable) that the Query Service Controller connector populates with the correct URL.

  The URL for the Query Service Controller connector is located at the bottom of the specified location.

  Example: https://localhost:443/aip (Do not include anything after *aip*)

Chapter 3: Common Connectors

A complete list of Common connectors follows.

This section contains the following topics:

Add Machine to Service

Adds new machines to the CA Server Automation service.

Component

resourcemgr

Service Machine Name(s)

Specifies the fully qualified name of the target server as displayed in CA Server Automation.

Example: “dev-test.company.com”

Service Name

Specifies the target service name associated with the specified machine name.

Example: “Enterprise\\\\Data Center\\\\TargetSvc”

Component Status SC

Returns status information for a component.

Component

sc

SC Component ID

Specifies the short name ID of the component.

Example: "sda"

SC Host Name

Specifies the server where the component is installed.

Example: “localhost.anycompany.com”

Create Service Group

Creates a service or group in a CA Server Automation server.

Component

resourcemgr

New Service Name

Specifies a name for the new service to create in CA Server Automation. For a nested service use ‘\\\\’ between levels.

Example: “Enterprise\\\\Data Center\\\\Production”

Service Machine List

Specifies the server name to include in the new service.

Example: “localhost.anycompany.com”

Service Lower Threshold

Specifies the lower utilization threshold for the service. This value must be less than the upper threshold.

Example: “20”

Service Upper Threshold

Specifies the upper utilization threshold for the service. This value must be greater than the lower threshold.

Example: “80”

Service Lag

Specifies the lag limits for the service. This value must be 1 second or greater.

Default: “1”

Service Priority

Specifies the priority for the service. This value must be 1 or greater.

Default: “1”

Service ID

(Optional) Specifies a service ID for the service.

Delete Job

Deletes a machine job.

Component

sched

Job ID

Specifies the unique ID of the CA Server Automation job.

Example: “12039384”

Job Username

Specifies the CA Server Automation authorized user.

Example: "username1"

Job Username's Password

Specifies the password for the job user name.

Example: "passw0rd1"

Discover System

Discovers a system based on the name provided.

Component

AOM

System Name

Specifies the fully qualified name for the target system.

Example: “localhost.mycompany.com”

Discovery Correlation ID

Specifies a user-defined correlation ID to use to identify the discovery job.

Example: “PA-2010-05-03-12-00-00”

Server Automation Service Path

(Optional) Specifies the service path for the CA Server Automation service to add the discovered system to.

Example: “Enterprise\\\\Data Center\\\\New Service”

CCA Service Path

(Optional) Specifies the CA Configuration Automation service path.

Example:
"https:\/\/localhost\/aip\/AOM\/root\/cimv2:CIM_Service.CreationClassName=\"CIM_Service\",Name=\"CCA_Servavc-cca.anycompany.com.8080\",SystemCreationClassName=\"CA_ComputerSystem\",SystemName=\"cca.anycompany.com\""

Get Job

Gets the status of a given system job.

Component

sch

Job ID

Specifies the unique ID of the CA Server Automation job. Use a UUID value.

Example: “00004-23233-232132-340323”

Get Job List

Gets a job list for a given system.

Component

sch

Job Type

(Optional) Specifies a job type filter.

Job Name

(Optional) Specifies a job name filter.

Service ID

(Optional) Specifies a service ID filter.

Job Description

(Optional) Specifies a job description filter.

Job Username

(Optional) Specifies a user assignment filter.

Job Last Return Code

(Optional) Specifies a last return code for the jobs executed.

Job Last Run Date Lower

(Optional) Specifies a lower bound for the last run date.

Example: “01-01-2008”

Job Last Run Date Upper

(Optional) Specifies an upper bound for the last run date.

Example: “12-01-2010”

Job Next Run Date Lower

(Optional) Specifies a lower bound for the next run date.

Example: “01-01-2008”

Job Next Run Date Upper

(Optional) Specifies an upper bound for the next run date.

Example: “12-01-2010”

Get Service List

Gets a listing of the available components for a service.

Component

resourcemgr

Service Name

Specifies the root level to obtain the services from.

Default: “Data Center”

Example: “\\\\Enterprise\\\\Data Center”

Recursive

(Optional) Identifies whether to activate a recursive search for other services.

Example: “1”

Get Service Machine List

Gets a server list for a specified service name.

Component

resourcemgr

Service Name

Specifies the name of the service.

Example: “Enterprise\\\\Production” when targeting a root service.

For a nested service use \\\\ between levels.

Example: “Enterprise\\\\Data Center\\\\Accounting”

Get Version

Gets the version number of the imaging option.

Component

img

No parameters are required.

Imaging Job Status

Returns the status of jobs for AmazonEC2, JumpStart, LPAR, HyperV, RSI, Zones, Software Delivery, and VMware.

Component

img

Type of Imaging Job

Specifies the type of job to return the status of. Available values are:

- AmazonEC2
- JumpStart
- IBMLPAR
- MSHyperV
- RSI
- SolarisZones
- SoftwareDelivery
- VMware

Image Job ID

Specifies the job ID provided by the CA Process Automation connectors.

Example: "ef044f5b-7fdf-11a0-abcd-1150568605fc”

Publish Indication

Provides the different event indication of a process.

Component

AOM

Indication Description

Describes the event taking place.

Indication Type

Indicates the type of event taking place.

Indication Message ID

Specifies the ID for the message.

Indication Message Arguments 1-4

(Optional) Specifies any message arguments.

Indication Severity

(Optional) Indicates the severity of the message.

Example: “Information”

Indication Provider Name

(Optional) Specifies the generator of the message.

Example: “IT PAM”

Indication Source Description

(Optional) Specifies a description for the generated indication.

Indication Error Code

(Optional) Specifies the error code associated with the generated indication.

Example: “Informational”

Query Service Controller

Queries the status of a service.

Component

sc

No parameters other than the connection parameters are required.

Remove Machine From Service

Removes a system from the CA Server Automation service.

Component

resourcemgr

Machine Name

Specifies the fully qualified name for the target host.

Example: “localhost.anycompany.com”

Service Name

Specifies the service name where the target host is located.

Example: “Enterprise\\\\Data Center\\\\YourService”.

Run Job

Runs a system job.

Component

sched

Job ID

Specifies the unique ID of the CA Server Automation job.

Example: ‘SAm-1’

Chapter 4: AmazonEC2 Connectors

A complete list of Platform Support AmazonEC2 connectors follows.

This section contains the following topics:

AMI Perform Operation

Performs the specified Amazon EC2 AMI operation.

Component

img

Image ID

Specifies the AMI image instance identifier.

Example: "i-a9b9c9d0"

Account ID

Specifies the Amazon user account.

Example: "536914298476"

Region

Specifies a pre-determined target AMI region.

Example: "us-east-1"

Operation

Specifies which of the following operations to perform:

- start_instance
- stop_instance
- reboot_instance
- query_password
- create_image

Image Name

(Optional) Specifies a name for an image for the create_image operation.

Example: "usr001"

Image Description

(Optional) Specifies a description for an image for the create_image operation.

No Reboot

(Optional) TODO - what is this.

AMI Run Instance

Performs an AMI instance start.

Component

ec2

Image ID

Specifies the AMI image instance identifier.

Example: "i-a9b9c9d0"

Account ID

Specifies the Amazon user account.

Example: "536914298476"

Region

Specifies a pre-determined target AMI region.

Example: "us-east-1"

AMI Terminate Instance

Performs a termination of an AMI instance.

Component

ec2

Image ID

Specifies the AMI image instance identifier.

Example: "i-a9b9c9d0"

Account ID

Specifies the Amazon user account.

Example: "536914298476"

Region

Specifies a pre-determined target AMI region.

Example: "us-east-1"

Provision AMI Image

Creates an Amazon EC2 AMI image.

Component

img

Image ID

Specifies the AMI image instance identifier.

Example: "i-a9b9c9d0"

Instance Type

Specifies the instance type assigned to the image ID.

Example: “c1.medium” (Reserved Instance Tab)

Minimum Count

Optional parameter.

Maximum Count

Optional parameter.

Group Set

Specifies the Amazon AMI default group set to define this image ID.

Key Pair Name

Specifies the security name for the device that allows access to the web server.

Example: “SAtest-pair”, “test”

Availability Zone

Specifies the zone name where provisioning occurs.

Example: “us-east-1b”

OS Type

Specifies the type of operating system to provision.

User Data

Optional parameter.

Account ID

Specifies the Amazon user account.

Example: "536914298476"

Region

Specifies a pre-determined target AMI region.

Example: "us-east-1"

Chapter 5: AppLogic Connectors

A complete list of AppLogic connectors follows.

This section contains the following topics:

AppLogic App Parameter Details

Returns the parameters for an AppLogic application.

Component

applogicws

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic Application

Specifies the name of the application.

Example: "sample application"

AppLogic Application Parameters

Returns the configuration parameters for an AppLogic application.

Component

applogicws

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic Application

Specifies the name of the application.

Example: "sample application"

AppLogic Copy Application

Creates a copy of an AppLogic application.

Component

applogicws

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic Application

Specifies the name of the application.

Example: "sample application"

AppLogic New Application

Specifies the name for the new application.

Example: "new sample application"

AppLogic Delete Application

Deletes an AppLogic application.

Component

applogicws

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic Application

Specifies the name of the application.

Example: "sample application"

AppLogic Job Info

Returns the status of an AppLogic job.

Component

applogicws

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic Job

Specifies the ID of the job.

Example: "AAAA-BBBB-CCCC-DDDD-EEEE"

AppLogic List App Templates

Returns a list of the available AppLogic templates.

Component

applogicws

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic List Applications

Returns a list of the available AppLogic applications.

Component

applogicws

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic List Grids

Returns a list of the available AppLogic grids.

Component

applogicws

No parameters are required.

AppLogic List Used IPs

Returns a list of the AppLogic grid public IP addresses currently in use.

Component

applogicws

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic Migrate Application

Creates a copy of an AppLogic application in another AppLogic grid.

Component

applogicws

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic New Grid

Specifies the name of the grid to copy the application to.

AppLogic Application

Specifies the name of the application.

Example: "sample application"

AppLogic Modify Application

Changes the value of a parameter for an AppLogic application.

Component

applogicws

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic Application

Specifies the name of the application.

Example: "sample application"

AppLogic App Default CPU

Specifies the CPU to assign to the application.

Example: "0.25"

AppLogic App Default Memory

Specifies the memory to assign to the application.

Example: "512M"

AppLogic App Default Bandwidth

Specifies the bandwidth to allocate to the application.

Example: "1000K"

AppLogic Application Parameter

Specifies the name of the application parameter.

Example: "hostname"

AppLogic Application Parameter Value

Specifies the new value to apply to the application parameter.

Example: "anyhost"

AppLogic Provision App Unix

Provisions an AppLogic Unix/Linux application to a grid based on an application template with specified resource sizing and boundary values.

Component

img

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic Application Template

Specifies the name of the application template.

Example: "sample application template"

AppLogic Application

Specifies the name of the application.

Example: "sample application"

AppLogic App Hostname

Specifies the hostname to assign to the application.

Example: "localhost.ca.com"

AppLogic App Primary IP

Specifies AppLogic public IP to assign to the application.

Example: "127.0.0.1"

AppLogic App Secondary IP

(Optional) Specifies a secondary IP to assign to the application.

Example: "127.0.0.2"

AppLogic App Gateway

Specifies the grid public gateway to assign to the application.

Example: "1.2.2.1"

AppLogic App DNS Server

Specifies the DNS server to assign to the application.

Example: "1.2.2.2"

AppLogic App DNS Server 2-3

(Optional) Specifies additional DNS servers to assign to the application.

Example: "1.2.2.3"

AppLogic App Netmask

Specifies the grid public netmask to assign to the application.

Example: "255.255.255.255"

AppLogic App Root Password

Specifies the root password for the application.

Example: "rootpassword"

AppLogic App User

(Optional) Specifies the default user for the application.

Example: "demouser"

AppLogic App User Password

(Optional) Specifies the password for the default user.

Example: "demopassword"

AppLogic Provision App Windows

Provisions an AppLogic Windows application to a grid based on an application template with specified resource sizing and boundary values.

Component

img

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic Application Template

Specifies the name of the application template.

Example: "sample application template"

AppLogic Application

Specifies the name of the application.

Example: "sample application"

AppLogic App Hostname

Specifies the hostname to assign to the application.

Example: "localhost.ca.com"

AppLogic App Primary IP

Specifies AppLogic public IP to assign to the application.

Example: "127.0.0.1"

AppLogic App Secondary IP

(Optional) Specifies a secondary IP to assign to the application.

Example: "127.0.0.2"

AppLogic App Gateway

Specifies the grid public gateway to assign to the application.

Example: "1.2.2.1"

AppLogic App DNS Server

Specifies the DNS server to assign to the application.

Example: "1.2.2.2"

AppLogic App DNS Server 2-3

(Optional) Specifies additional DNS servers to assign to the application.

Example: "1.2.2.3"

AppLogic App Netmask

Specifies the grid public netmask to assign to the application.

Example: "255.255.255.255"

AppLogic App Admin Password

Specifies the admin password for the application.

Example: "rootpassword"

AppLogic App User

(Optional) Specifies the default user for the application.

Example: "demouser"

AppLogic App User Password

(Optional) Specifies the password for the default user.

Example: "demopassword"

AppLogic Provision Application

Provisions an AppLogic application to a grid based on an application template with specified resource sizing and boundary values.

Component

img

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic Application Template

Specifies the name of the application template.

Example: "sample application template"

AppLogic Application

Specifies the name of the application.

Example: "sample application"

AppLogic App Config Parameters

Specifies a comma-separated list of configuration parameters required to provision the application.

Example: "hostname=anyhost,usr_ip=127.0.0.1, admin_ip=127.1.0.2"

AppLogic Rename Application

Changes the name of an AppLogic application.

Component

applogicws

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic Application

Specifies the name of the application.

Example: "sample application"

AppLogic New Application

Specifies the new name for the application.

Example: "new sample application"

AppLogic Restart App Component

Restarts an AppLogic application.

Component

applogicws

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic Application

Specifies the name of the application.

Example: "sample application"

AppLogic App Component

Specifies the name of the application component.

Example: "sample component"

AppLogic Restart Application

Restarts an AppLogic application.

Component

applogicws

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic Application

Specifies the name of the application.

Example: "sample application"

AppLogic Start App Component

Starts an AppLogic application component.

Component

applogicws

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic Application

Specifies the name of the application.

Example: "sample application"

AppLogic App Component

Specifies the name of the application component.

Example: "sample component"

AppLogic Start Application

Starts an AppLogic application.

Component

applogicws

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic Application

Specifies the name of the application.

Example: "sample application"

AppLogic Stop App Component

Stops an AppLogic application component.

Component

applogicws

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic Application

Specifies the name of the application.

Example: "sample application"

AppLogic App Component

Specifies the name of the application component.

Example: "sample component"

AppLogic Stop Application

Stops an AppLogic application.

Component

applogicws

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic Application

Specifies the name of the application.

Example: "sample application"

AppLogic Template Parameters

Returns the configuration parameters for an AppLogic template.

Component

applogicws

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic Template

Specifies the name of the application template.

Example: "sample application template"

Chapter 6: Configuration Management Connectors

A complete list of Configuration Management connectors follows.

This section contains the following topics:

Create Config Mgmt Snapshot

Creates a machine snapshot in the CA Configuration Automation system.

Component

ccm

Snapshot Name

Specifies a name to identify the snapshot.

Example: “firstsnapshotname”

Target System Name

Specifies the fully qualified name of the target system.

Example: “localhost.anycompany.com”

Is Gold Standard?

(Optional) Indicates whether to set a gold standard for the snapshot.

Is Base Line?

(Optional) Indicates whether to set a base line for the snapshot.

Is Silver Standard?

(Optional) Indicates whether to set a silver standard for the snapshot.

Is Bronze Standard?

(Optional) Indicates whether to set a bronze standard for the snapshot.

Get All Components

Gets all available components for a specific system.

Component

ccm

Target Machine

Specifies the fully qualified name of the server.

Example: “localhost.anycompany.com”

Get All Config Mgmt Snapshots

Gets all available CA Configuration Automation snapshots for a specific machine.

Component

ccm

Target System Name

Specifies the fully qualified name of the target system.

Example: “localhost.anycompany.com”

Target Snapshot Type

Specifies the snapshot type to retrieve. Available values are:

1 – Gold Standard

2 – Base Line

3 – Silver Standard

4 – Bronze Standard

5 – Current Data

6 – Most Recent Snapshot

Example: “2”

Get Current Activity

Gets the current activity of a specific system.

Component

ccm

Host Name

Specifies the fully qualified name of the target system.

Example: “localhost.anycompany.com”

Perform Change Detection

Performs a change detection of a specific system. After you choose the parameters, the system prompts for the CA Server Automation URL, user name, and password. Always surround the URL with quotation marks ("); user name and password only if they contain special characters like # or &.

Component

ccm

Operation Type

Specifies the type of change detection to conduct. Available options are:

0 – Most Recent Snapshot to Current

2 – Baseline to Current

3 – Gold Standard to Current

4 – Silver Standard to Current

5 – Bronze Standard to Current

Example: "2"

Difference Type

Specifies the type of differences to detect. Available options are:

0 – All Differences

1 – Component Inventory Only

Default: "0"

System Name

Specifies the fully qualified name for the target system.

Example: “localhost.mycompany.com”

Perform Compare Systems

Performs a system compare between a specific system and a stored snapshot.

Note: Depending on the comparison to perform, one or more of the parameters become optional.

Component

ccm

Source System Name

Specifies the fully qualified name for the system to serve as base reference for comparison.

Example: “localhostBase.anycompany.com”

Type of Difference

Specifies the type of differences to detect. Available options are:

0 – All differences

1 – Component only

Example: "0"

Target System Name

Specifies the fully qualified name of the target system.

Example: “localhost.anycompany.com”

Snapshot ID

Specifies the ID for the snapshot belonging to the source system.

Example: “5b6160ec-717a-4a90-b53c-ce97bf9bd83f”

Snapshot Type

Specifies the type of snapshot. Available options are:

0 – Compare source against the system gold snapshot.

1 – Compare source against the system baseline.

2 – Compare source against the system silver snapshot.

3 – Compare source against the system bronze snapshot.

Default: "1"

Target Snapshot ID

Specifies the snapshot ID that belongs to the target server.

Run Discovery Profile

Runs the discovery profile for a given system.

Component

ccm

System Name

Specifies the fully qualified name for the target system.

Example: “localhost.mycompany.com”

Synchronized Call

Indicates whether the call waits for discovery or only gets a job ID.

Example: “No”

Chapter 7: UCS Connectors

A complete list of Platform Support UCS connectors follows.

This section contains the following topics:

UCS Associate Service Profile

Associates a UCS service profile with a given UCS blade.

Component

ucsws

UCS Manager Host

Specifies the fully qualified name of the host where the UCS manager is located.

Example: “localhostUCS.anyco.com”

UCS Blade

Specifies the full path provided by either the user or the UCS Blade List connector.

Example: “sys/chassis-1/blade-1”

UCS Service Profile

Specifies the full name of the service profile.

Example: “org-root/ls-dev-boot-from-san-esx”

UCS Blade Power Off

Shuts down a UCS blade.

Component

ucsws

UCS Manager Host

Specifies the fully qualified name of the host where the UCS manager is located.

Example: “localhostUCS.anyco.com”

UCS Blade

Specifies the full path provided by either the user or the UCS Blade List connector.

Example: “sys/chassis-1/blade-1”

UCS Blade Power On

Starts a UCS blade.

Component

ucsws

UCS Manager Host

Specifies the fully qualified name of the host where the UCS manager is located.

Example: “localhostUCS.anyco.com”

UCS Blade

Specifies the full path provided by either the user or the UCS Blade List connector.

Example: “sys/chassis-1/blade-1”

UCS Blade Reset

Resets a UCS blade.

Component

ucsws

UCS Manager Host

Specifies the fully qualified name of the host where the UCS manager is located.

Example: “localhostUCS.anyco.com”

UCS Blade

Specifies the full path provided by either the user or the UCS Blade List connector.

Example: “sys/chassis-1/blade-1”

UCS Disassociate Service Profile

Disassociates a UCS service profile from a UCS blade.

Component

ucsws

UCS Manager Host

Specifies the fully qualified name of the host where the UCS manager is located.

Example: “localhostUCS.anyco.com”

UCS Service Profile

Specifies the full name of the service profile.

Example: “org-root/ls-dev-boot-from-san-esx”

UCS List Blades

Provides a list of blades in a UCS chassis.

Component

ucsws

UCS Manager Host

Specifies the fully qualified name of the host where the UCS manager is located.

Example: “localhostUCS.anyco.com”

UCS Power Operations

Provides individualized Cisco UCS blade power operations.

Component

ucsws

UCS Manager Host

Specifies the fully qualified name of the host where the UCS manager is located.

Example: “localhostUCS.anyco.com”

UCS Blade

Specifies the full path provided by either the user or the UCS Blade List connector.

Example: “sys/chassis-1/blade-1”

Operation

Specifies the operation to perform on a UCS blade. Available values are:

2 – Cycle-immediate

3 – Cycle-wait

4 – Hard-reset-immediate

5 – Hard-reset-wait

6 – Soft-shut-down

7 – Shut-down

8 – Boot-up

Example: “Cycle-immediate”

UCS Service Profile Operation

Provides Cisco UCS service profile operations.

Component

ucsws

UCS Operation

Specifies the operation to perform. Available values are:

- SelectiveImportNoQueue
- SelectiveExportNoQueue
- SelectiveImportDeleteNoQueue

UCS Manager

Specifies the name of the configured UCS manager.

Example: “localhostUCS.anyco.com”

Service Profile Name

Specifies the name of the service profile.

Example: "pam_test_sp"

When using the selective export operation the name should be "*UCS manager name|service profile name*".

Example: "localhostUCS.anyco.com|pam_test_sp"

Organization Distinguished Name

Specifies the corresponding name of an organization. The name should start with "org-".

Example: "org-name"

Chapter 8: HelpDesk Connectors

A complete list of HelpDesk connectors follows.

This section contains the following topics:

Create Ticket

Generates a new help desk ticket.

Component

hd

HelpDesk Ticket Type of Request

Specifies the request type.

Example: "issue" or "problem"

HelpDesk Ticket Description

Specifies the message to appear in the service desk description field.

Example: "Description from CA Process Automation"

HelpDesk Ticket Summary

Specifies a detailed message for the service desk summary field.

Example: “Details from CA Process Automation”

HelpDesk Ticket Affected User

Specifies the user affected by the help desk issue.

Default: “itpam”

Example: “user_lastname, user_firstname”

HelpDesk Ticket Template

(Optional) Specifies the template name from service desk to use.

Entity

(Optional) Can be left blank.

HelpDesk Ticket Security Token

(Optional) Can be left blank.

Chapter 9: LPAR Connectors

A complete list of Platform Support LPAR connectors follows.

This section contains the following topics:

LPAR Add LPAR CPU

Adds CPU units to an LPAR partition.

Component

lpar

HMC Server Name

Specifies the IBM Hardware Management Console name.

Example: "hostnamea"

Managed System Name

Specifies the IBM LPAR management system name.

Example: "lpar.any.com"

LPAR Partition Name

Specifies the name of the LPAR partition.

Example: "lpar_a"

LPAR Virtual CPU

Specifies the number of CPUs for the LPAR.

Example: "1"

LPAR CPU Adjustment

Specifies the adjustment value for the CPU processor assigned to the LPAR.

Example: "0.2"

LPAR CPU Adjustment Type

Specifies the type of adjustment for the LPAR CPU. Available values are:

- dynamic
- all

LPAR Profile

(Optional) Specifies the profile to use for the LPAR partition.

Example: "Default"

LPAR Add LPAR Memory

Adds memory to an LPAR partition.

Component

lpar

HMC Server Name

Specifies the IBM Hardware Management Console name.

Example: "hostnamea"

Managed System Name

Specifies the IBM LPAR management system name.

Example: "lpar.any.com"

LPAR Partition Name

Specifies the name of the LPAR partition.

Example: "lpar_a"

LPAR Memory Adjustment

Specifies the adjustment value for the memory assigned to the LPAR in megabytes.

Example: "128"

LPAR Memory Adjustment Type

Specifies the type of adjustment for the LPAR memory. Available values are:

- dynamic
- all

LPAR Profile

(Optional) Specifies the profile to use for the LPAR partition.

Example: "Default"

LPAR Attach iSCSI Target

Attaches an iSCSI target to an LPAR partition.

Component

lpar

HMC Server Name

Specifies the IBM Hardware Management Console name.

Example: "hostnamea"

Managed System Name

Specifies the IBM LPAR management system name.

Example: "lpar.any.com"

VIO Server Name

Specifies the IBM Virtual I/O Server name.

Example: "lpar_vio"

LPAR iSCSI Local Initiator ID

Specifies the ID of the LPAR iSCSI local initiator.

LPAR iSCSI Target Initiator ID

Specifies the ID of the LPAR iSCSI target initiator.

LPAR iSCSI Target Hostname

Specifies the LPAR iSCSI target hostname.

LPAR iSCSI Target Port Number

Specifies the LPAR iSCSI target port number.

LUN ID

Specifies the ID of the LUN.

Manage Targets File

Specifies the manage targets file.

LPAR iSCSI Target Password Type

(Optional) Specifies the LPAR iSCSI target password type.

LPAR Create Logical Partition

Creates an empty LPAR partition with no OS installed.

Component

img

HMC Server Name

Specifies the IBM Hardware Management Console name.

Example: "hostnamea"

Managed System Name

Specifies the IBM LPAR management system name.

Example: "lpar.any.com"

LPAR Partition Name

Specifies the name of the LPAR partition.

Example: "lpar_a"

LPAR Profile

Specifies the profile to use for the LPAR partition.

Example: "Default"

LPAR Virtual Slots

Specifies the maximum number of virtual slots to use for the LPAR provisioning.

Default: "10"

LPAR Min CPU Requested

Specifies the minimum number of CPUs for this LPAR provisioning.

Example: "1"

LPAR Max CPU Requested

Specifies the maximum number of CPUs for this LPAR provisioning.

Example: "1"

LPAR Num of CPU Desired

Specifies the ideal number of CPUs for this LPAR provisioning.

Example: "1"

LPAR CPU Shared Mode

Indicates whether to provision the CPU for the LPAR in shared mode.

Default: "true"

LPAR Min CPU Unit Requested

Specifies the minimum CPU unit slice for the LPAR provisioning.

Example: "0.2"

LPAR Max CPU Unit Requested

Specifies the maximum CPU unit slice for the LPAR provisioning.

Example: "0.2"

LPAR Desired Min CPU Unit

Specifies the ideal CPU unit slice for the LPAR provisioning.

Example: "0.2"

LPAR CPU Capped

Indicates whether the CPU for the provisioned LPAR is capped.

Default: "true"

LPAR CPU Uncapped Weight

Specifies the uncapped weight for the provisioned LPAR when LPAR CPU Capped is set to false.

Example: "128"

LPAR Minimum Memory

Specifies the minimum memory for the provisioned LPAR.

Example: "512"

LPAR Maximum Memory

Specifies the maximum memory for the provisioned LPAR.

Example: "1024"

LPAR Memory Desired

Specifies the ideal memory for the provisioned LPAR.

Example: "512"

LPAR Virtual Ethernet IEEE

Indicates whether the LPAR is virtual ethernet IEEE compliant.

Example: "false"

LPAR Virtual SCSI Remote LPAR

Specifies the remote LPAR associated with the virtual SCSI adapter for the provisioned LPAR.

Example: "lpar_hostname"

LPAR Virtual SCSI Adapter Is Client

Indicates whether the virtual SCSI adapter is a client for the provisioned LPAR.

Default: "true"

LPAR Virtual SCSI Adapter Is Required

Indicates whether the virtual SCSI adapter is required for the provisioned LPAR.

Default: "false"

LPAR Create Logical Part-IVM

Creates an empty LPAR partition with no OS installed.

Component

img

HMC Server Name

Specifies the IBM Hardware Management Console name.

Example: "hostnamea"

Managed System Name

Specifies the IBM LPAR management system name.

Example: "lpar.any.com"

LPAR Partition Name

Specifies the name of the LPAR partition.

Example: "lpar_a"

LPAR Virtual Slots

Specifies the maximum number of virtual slots to use for the LPAR provisioning.

Default: "10"

LPAR Min CPU Requested

Specifies the minimum number of CPUs for this LPAR provisioning.

Example: "1"

LPAR Max CPU Requested

Specifies the maximum number of CPUs for this LPAR provisioning.

Example: "1"

LPAR Num of CPU Desired

Specifies the ideal number of CPUs for this LPAR provisioning.

Example: "1"

LPAR CPU Shared Mode

Indicates whether to provision the CPU for the LPAR in shared mode.

Default: "true"

LPAR Min CPU Unit Requested

Specifies the minimum CPU unit slice for the LPAR provisioning.

Example: "0.2"

LPAR Max CPU Unit Requested

Specifies the maximum CPU unit slice for the LPAR provisioning.

Example: "0.2"

LPAR Desired Min CPU Unit

Specifies the ideal CPU unit slice for the LPAR provisioning.

Example: "0.2"

LPAR CPU Capped

Indicates whether the CPU for the provisioned LPAR is capped.

Default: "true"

LPAR CPU Uncapped Weight

Specifies the uncapped weight for the provisioned LPAR when LPAR CPU Capped is set to false.

Example: "128"

LPAR Minimum Memory

Specifies the minimum memory for the provisioned LPAR.

Example: "512"

LPAR Maximum Memory

Specifies the maximum memory for the provisioned LPAR.

Example: "1024"

LPAR Memory Desired

Specifies the ideal memory for the provisioned LPAR.

Example: "512"

LPAR Virtual Ethernet IEEE

Indicates whether the LPAR is virtual ethernet IEEE compliant.

Example: "false"

LPAR Virtual SCSI Remote LPAR

Specifies the remote LPAR associated with the virtual SCSI adapter for the provisioned LPAR.

Example: "lpar_hostname"

LPAR Virtual SCSI Adapter Is Client

Indicates whether the virtual SCSI adapter is a client for the provisioned LPAR.

Default: "true"

LPAR Virtual SCSI Adapter Is Required

Indicates whether the virtual SCSI adapter is required for the provisioned LPAR.

Default: "false"

LPAR Create Logical Volume

Creates a logical volume for an LPAR partition.

Component

lpar

HMC Server Name

Specifies the IBM Hardware Management Console name.

Example: "hostnamea"

Managed System Name

Specifies the IBM LPAR management system name.

Example: "lpar.any.com"

VIO Server Name

Specifies the IBM Virtual I/O Server name.

Example: "lpar_vio"

LPAR Volume Group List

Specifies the LPAR volume group list.

LPAR Logical Volume Name

Specifies the name of the LPAR logical volume.

LPAR Logical Volume Size

Specifies the size of the LPAR logical volume.

LPAR Delete iSCSI Target

Deletes an iSCSI target for an LPAR partition.

Component

lpar

HMC Server Name

Specifies the IBM Hardware Management Console name.

Example: "hostnamea"

Managed System Name

Specifies the IBM LPAR management system name.

Example: "lpar.any.com"

VIO Server Name

Specifies the IBM Virtual I/O Server name.

Example: "lpar_vio"

LPAR Physical Volume Name

Specifies the name of the LPAR physical volume.

Manage Targets File

Specifies the manage targets file.

LPAR iSCSI Target Password Type

(Optional) Specifies the LPAR iSCSI target password type.

LPAR Delete Logical Volume

Deletes a logical volume for an LPAR partition.

Component

lpar

HMC Server Name

Specifies the IBM Hardware Management Console name.

Example: "hostnamea"

Managed System Name

Specifies the IBM LPAR management system name.

Example: "lpar.any.com"

VIO Server Name

Specifies the IBM Virtual I/O Server name.

Example: "lpar_vio"

LPAR Logical Volume Name

Specifies the name of the LPAR logical volume.

LPAR Delete LPAR

Deletes an LPAR partition.

Component

lpar

HMC Server Name

Specifies the IBM Hardware Management Console name.

Example: "hostnamea"

Managed System Name

Specifies the IBM LPAR management system name.

Example: "lpar.any.com"

LPAR Partition Name

Specifies the name of the LPAR partition.

Example: "lpar_a"

LPAR Delete All Logical Volumes

Indicates whether to delete all logical volumes for the LPAR. Available values are "Yes" or "No".

LPAR Profile

(Optional) Specifies the profile to use for the LPAR partition.

Example: "Default"

LPAR List LPAR Profiles

Returns a list of available LPAR profiles.

Component

lpar

HMC Server Name

Specifies the IBM Hardware Management Console name.

Example: "hostnamea"

Managed System Name

Specifies the IBM LPAR management system name.

Example: "lpar.any.com"

LPAR Partition Name

Specifies the name of the LPAR partition.

Example: "lpar_a"

LPAR Remove LPAR CPU

Removes CPU units from an LPAR partition.

Component

lpar

HMC Server Name

Specifies the IBM Hardware Management Console name.

Example: "hostnamea"

Managed System Name

Specifies the IBM LPAR management system name.

Example: "lpar.any.com"

LPAR Partition Name

Specifies the name of the LPAR partition.

Example: "lpar_a"

LPAR Virtual CPU

Specifies the number of CPUs for the LPAR.

Example: "1"

LPAR CPU Adjustment

Specifies the adjustment value for the CPU processor assigned to the LPAR.

Example: "0.2"

LPAR CPU Adjustment Type

Specifies the type of adjustment for the LPAR CPU. Available values are:

- dynamic
- all

LPAR Profile

(Optional) Specifies the profile to use for the LPAR partition.

Example: "Default"

LPAR Remove LPAR Memory

Removes memory from an LPAR partition.

Component

lpar

HMC Server Name

Specifies the IBM Hardware Management Console name.

Example: "hostnamea"

Managed System Name

Specifies the IBM LPAR management system name.

Example: "lpar.any.com"

LPAR Partition Name

Specifies the name of the LPAR partition.

Example: "lpar_a"

LPAR Memory Adjustment

Specifies the adjustment value for the memory assigned to the LPAR in megabytes.

Example: "128"

LPAR Memory Adjustment Type

Specifies the type of adjustment for the LPAR memory. Available values are:

- dynamic
- all

LPAR Profile

(Optional) Specifies the profile to use for the LPAR partition.

Example: "Default"

LPAR Restart LPAR

Restarts an LPAR partition.

Component

lpar

HMC Server Name

Specifies the IBM Hardware Management Console name.

Example: "hostnamea"

Managed System Name

Specifies the IBM LPAR management system name.

Example: "lpar.any.com"

LPAR Partition Name

Specifies the name of the LPAR partition.

Example: "lpar_a"

LPAR Restart Type

Specifies the type of restart to perform. Available values are:

1 – immediate

2 – os_shutdown

3 – os_shutdown_immediate

Example: "1"

LPAR Profile

(Optional) Specifies the profile to use for the LPAR partition.

Example: "Default"

LPAR Shutdown LPAR

Shuts down an LPAR partition.

Component

lpar

HMC Server Name

Specifies the IBM Hardware Management Console name.

Example: "hostnamea"

Managed System Name

Specifies the IBM LPAR management system name.

Example: "lpar.any.com"

LPAR Partition Name

Specifies the name of the LPAR partition.

Example: "lpar_a"

LPAR Shutdown Type

Specifies the type of shutdown to perform. Available values are:

1 – delayed

2 – immediate

3 – os_shutdown

4 – os_shutdown_immediate

Example: "1"

LPAR Profile

(Optional) Specifies the profile to use for the LPAR partition.

Example: "Default"

LPAR Start LPAR

Starts an LPAR partition.

Component

lpar

HMC Server Name

Specifies the IBM Hardware Management Console name.

Example: "hostnamea"

Managed System Name

Specifies the IBM LPAR management system name.

Example: "lpar.any.com"

LPAR Partition Name

Specifies the name of the LPAR partition.

Example: "lpar_a"

LPAR Activation Override Key

Specifies the type of manual activation overrides available for the LPAR. Available values are:

1 – normal – After power-on, the system operates in normal (unattended) mode

2 – manual – After power-on, the system operates in manual (attended) mode using the control panel to direct the system

3 – donotoverride – Use the current partition settings

Example: "1"

LPAR Activation Boot Mode

Specifies the type of boot the LPAR performs. Available options are:

1 – normal

1 – open_firmware

Example: "1"

LPAR Profile

(Optional) Specifies the profile to use for the LPAR partition.

Example: "Default"

Chapter 10: LPAR NIM Imaging Connectors

A complete list of LPAR NIM Imaging connectors follows.

This section contains the following topics:

LPAR List NIM Images

Returns a list of available NIM images.

Component

img

NIM Master

Specifies the name of the NIM master host where the list of available NIM images is obtained.

Example: "hostnamea"

LPAR NIM Provision Ind Res

Provisions an LPAR partition and installs an operating system based on a NIM image. The selection is made from the individual resource.

Component

img

HMC Server Name

Specifies the IBM Hardware Management Console name.

Example: "hostnamea"

Managed System Name

Specifies the IBM LPAR management system name.

Example: "lpar.any.com"

LPAR Partition Name

Specifies the name of the LPAR partition.

Example: "lpar_a"

LPAR Profile

Specifies the profile to use for the LPAR partition.

Example: "Default"

LPAR Virtual Slots

Specifies the maximum number of virtual slots to use for the LPAR provisioning.

Default: "10"

Provision LPAR

Indicates whether to provision an empty LPAR before installing the operating system. Select "false" if the LPAR exists and to install the operating system to it.

NIM Master

Specifies the name of the NIM master host where the list of available NIM images is obtained.

Example: "hostnamea"

NIM Machine Resource Name

Specifies the name of the NIM server used to install the operating system image to the provisioned LPAR.

Example: "machine_to_copy_from"

NIM Installation Type

Specifies the type of NIM installation to perform with the following options:

- rte - run-time environment
- mksysb - template based

Target Username

Specifies the user name for the target machine for operating system installation.

Example: "root"

Target Password

Specifies the password for the target user name.

Example: "password"

Mksysb Image

(Optional) Specifies the name of the image when the installation type is mksysb.

Example: "mksysb_image"

SPOT Resource

Specifies the image Shared Product Object Tree (SPOT) resource.

Example: "7100spot"

License Program Products

(Optional) Specifies licensed program products to deploy with the image when the installation type is rte.

Base Operating System

(Optional) Specifies the base operating system required when the installation type is rte.

Image DNS Resolve Config

(Optional) Specifies the DNS resolve configuration file to use with the image when the installation type is rte.

Example: "sample_dns.conf"

Image Data

(Optional) Specifies image data to use when the installation type is rte.

Example: "image_data"

First Boot Script

(Optional) Specifies the script to execute during the first boot when the installation type is rte.

Example: "first_boot.sh"

Post Installation Script 1-3

(Optional) Specifies post-installation scripts to execute with the image when the installation type is rte.

Example: "post_install.sh"

Scalability Server

(Optional) Specifies the scalability server to use to deploy the software delivery agent.

Example: "itcm_server"

Server Automation Template

(Optional) Specifies the server automation template to deploy to the LPAR.

Example: "software_package_template"

Agents Auto Deploy

(Optional) Indicates whether to deploy CA Configuration Automation, Performance, and Asset Management agents to the LPAR.

Example: "false"

LPAR Virtual Slots

Specifies the maximum number of virtual slots to use for the LPAR provisioning.

Default: "10"

LPAR Min CPU Requested

Specifies the minimum number of CPUs for this LPAR provisioning.

Example: "1"

LPAR Max CPU Requested

Specifies the maximum number of CPUs for this LPAR provisioning.

Example: "1"

LPAR Num of CPU Desired

Specifies the ideal number of CPUs for this LPAR provisioning.

Example: "1"

LPAR CPU Shared Mode

Indicates whether to provision the CPU for the LPAR in shared mode.

Default: "true"

LPAR Min CPU Unit Requested

Specifies the minimum CPU unit slice for the LPAR provisioning.

Example: "0.2"

LPAR Max CPU Unit Requested

Specifies the maximum CPU unit slice for the LPAR provisioning.

Example: "0.2"

LPAR Desired Min CPU Unit

Specifies the ideal CPU unit slice for the LPAR provisioning.

Example: "0.2"

LPAR CPU Capped

Indicates whether the CPU for the provisioned LPAR is capped.

Default: "true"

LPAR CPU Uncapped Weight

Specifies the uncapped weight for the provisioned LPAR when LPAR CPU Capped is set to false.

Example: "128"

LPAR Minimum Memory

Specifies the minimum memory for the provisioned LPAR.

Example: "512"

LPAR Maximum Memory

Specifies the maximum memory for the provisioned LPAR.

Example: "1024"

LPAR Memory Desired

Specifies the ideal memory for the provisioned LPAR.

Example: "512"

LPAR Virtual Ethernet IEEE

Indicates whether the LPAR is virtual ethernet IEEE compliant.

Example: "false"

LPAR Virtual SCSI Remote LPAR

Specifies the remote LPAR associated with the virtual SCSI adapter for the provisioned LPAR.

Example: "lpar_hostname"

LPAR Virtual SCSI Adapter Is Client

Indicates whether the virtual SCSI adapter is a client for the provisioned LPAR.

Default: "true"

LPAR Virtual SCSI Adapter Is Required

Indicates whether the virtual SCSI adapter is required for the provisioned LPAR.

Default: "false"

LPAR NIM Provision Ind Res-IVM

Provisions an LPAR partition and installs an operating system based on a NIM image. The selection is made from the individual resource. The IVM (Integrated Virtual Manager) is used to provision the image.

Component

img

HMC Server Name

Specifies the IBM Hardware Management Console name.

Example: "hostnamea"

Managed System Name

Specifies the IBM LPAR management system name.

Example: "lpar.any.com"

LPAR Partition Name

Specifies the name of the LPAR partition.

Example: "lpar_a"

LPAR Virtual Slots

Specifies the maximum number of virtual slots to use for the LPAR provisioning.

Default: "10"

Provision LPAR

Indicates whether to provision an empty LPAR before installing the operating system. Select "false" if the LPAR exists and to install the operating system to it.

NIM Master

Specifies the name of the NIM master host where the list of available NIM images is obtained.

Example: "hostnamea"

NIM Machine Resource Name

Specifies the name of the NIM server used to install the operating system image to the provisioned LPAR.

Example: "machine_to_copy_from"

NIM Installation Type

Specifies the type of NIM installation to perform with the following options:

- rte - run-time environment
- mksysb - template based

Target Username

Specifies the user name for the target machine for operating system installation.

Example: "root"

Target Password

Specifies the password for the target user name.

Example: "password"

Mksysb Image

(Optional) Specifies the name of the image when the installation type is mksysb.

Example: "mksysb_image"

SPOT Resource

Specifies the image Shared Product Object Tree (SPOT) resource.

Example: "7100spot"

License Program Products

(Optional) Specifies licensed program products to deploy with the image when the installation type is rte.

Base Operating System

(Optional) Specifies the base operating system required when the installation type is rte.

Image DNS Resolve Config

(Optional) Specifies the DNS resolve configuration file to use with the image when the installation type is rte.

Example: "sample_dns.conf"

Image Data

(Optional) Specifies image data to use when the installation type is rte.

Example: "image_data"

First Boot Script

(Optional) Specifies the script to execute during the first boot when the installation type is rte.

Example: "first_boot.sh"

Post Installation Script 1-3

(Optional) Specifies post-installation scripts to execute with the image when the installation type is rte.

Example: "post_install.sh"

Scalability Server

(Optional) Specifies the scalability server to use to deploy the software delivery agent.

Example: "itcm_server"

Server Automation Template

(Optional) Specifies the server automation template to deploy to the LPAR.

Example: "software_package_template"

Agents Auto Deploy

(Optional) Indicates whether to deploy CA Configuration Automation, Performance, and Asset Management agents to the LPAR.

Example: "false"

LPAR Virtual Slots

Specifies the maximum number of virtual slots to use for the LPAR provisioning.

Default: "10"

LPAR Min CPU Requested

Specifies the minimum number of CPUs for this LPAR provisioning.

Example: "1"

LPAR Max CPU Requested

Specifies the maximum number of CPUs for this LPAR provisioning.

Example: "1"

LPAR Num of CPU Desired

Specifies the ideal number of CPUs for this LPAR provisioning.

Example: "1"

LPAR CPU Shared Mode

Indicates whether to provision the CPU for the LPAR in shared mode.

Default: "true"

LPAR Min CPU Unit Requested

Specifies the minimum CPU unit slice for the LPAR provisioning.

Example: "0.2"

LPAR Max CPU Unit Requested

Specifies the maximum CPU unit slice for the LPAR provisioning.

Example: "0.2"

LPAR Desired Min CPU Unit

Specifies the ideal CPU unit slice for the LPAR provisioning.

Example: "0.2"

LPAR CPU Capped

Indicates whether the CPU for the provisioned LPAR is capped.

Default: "true"

LPAR CPU Uncapped Weight

Specifies the uncapped weight for the provisioned LPAR when LPAR CPU Capped is set to false.

Example: "128"

LPAR Minimum Memory

Specifies the minimum memory for the provisioned LPAR.

Example: "512"

LPAR Maximum Memory

Specifies the maximum memory for the provisioned LPAR.

Example: "1024"

LPAR Memory Desired

Specifies the ideal memory for the provisioned LPAR.

Example: "512"

LPAR Virtual Ethernet IEEE

Indicates whether the LPAR is virtual ethernet IEEE compliant.

Example: "false"

LPAR Virtual SCSI Remote LPAR

Specifies the remote LPAR associated with the virtual SCSI adapter for the provisioned LPAR.

Example: "lpar_hostname"

LPAR Virtual SCSI Adapter Is Client

Indicates whether the virtual SCSI adapter is a client for the provisioned LPAR.

Default: "true"

LPAR Virtual SCSI Adapter Is Required

Indicates whether the virtual SCSI adapter is required for the provisioned LPAR.

Default: "false"

LPAR NIM Provision Res Grp

Provisions an LPAR partition and installs an operating system based on a NIM image. The selection is made from a resource group.

Component

img

HMC Server Name

Specifies the IBM Hardware Management Console name.

Example: "hostnamea"

Managed System Name

Specifies the IBM LPAR management system name.

Example: "lpar.any.com"

LPAR Partition Name

Specifies the name of the LPAR partition.

Example: "lpar_a"

LPAR Profile

Specifies the profile to use for the LPAR partition.

Example: "Default"

LPAR Virtual Slots

Specifies the maximum number of virtual slots to use for the LPAR provisioning.

Default: "10"

Provision LPAR

Indicates whether to provision an empty LPAR before installing the operating system. Select "false" if the LPAR exists and to install the operating system to it.

NIM Master

Specifies the name of the NIM master host where the list of available NIM images is obtained.

Example: "hostnamea"

NIM Machine Resource Name

Specifies the name of the NIM server used to install the operating system image to the provisioned LPAR.

Example: "machine_to_copy_from"

NIM Installation Type

Specifies the type of NIM installation to perform with the following options:

- rte - run-time environment
- mksysb - template based

NIM Resource Group

Specifies the name of the NIM resource group to use to provision the LPAR.

Example: "resource_group"

Target Username

Specifies the user name for the target machine for operating system installation.

Example: "root"

Target Password

Specifies the password for the target user name.

Example: "password"

Server Automation Template

(Optional) Specifies the server automation template to deploy to the LPAR.

Example: "software_package_template"

Agents Auto Deploy

(Optional) Indicates whether to deploy CA Configuration Automation, Performance, and Asset Management agents to the LPAR.

Example: "false"

Scalability Server

(Optional) Specifies the scalability server to use to deploy the software delivery agent.

Example: "itcm_server"

LPAR Virtual Slots

Specifies the maximum number of virtual slots to use for the LPAR provisioning.

Default: "10"

LPAR Min CPU Requested

Specifies the minimum number of CPUs for this LPAR provisioning.

Example: "1"

LPAR Max CPU Requested

Specifies the maximum number of CPUs for this LPAR provisioning.

Example: "1"

LPAR Num of CPU Desired

Specifies the ideal number of CPUs for this LPAR provisioning.

Example: "1"

LPAR CPU Shared Mode

Indicates whether to provision the CPU for the LPAR in shared mode.

Default: "true"

LPAR Min CPU Unit Requested

Specifies the minimum CPU unit slice for the LPAR provisioning.

Example: "0.2"

LPAR Max CPU Unit Requested

Specifies the maximum CPU unit slice for the LPAR provisioning.

Example: "0.2"

LPAR Desired Min CPU Unit

Specifies the ideal CPU unit slice for the LPAR provisioning.

Example: "0.2"

LPAR CPU Capped

Indicates whether the CPU for the provisioned LPAR is capped.

Default: "true"

LPAR CPU Uncapped Weight

Specifies the uncapped weight for the provisioned LPAR when LPAR CPU Capped is set to false.

Example: "128"

LPAR Minimum Memory

Specifies the minimum memory for the provisioned LPAR.

Example: "512"

LPAR Maximum Memory

Specifies the maximum memory for the provisioned LPAR.

Example: "1024"

LPAR Memory Desired

Specifies the ideal memory for the provisioned LPAR.

Example: "512"

LPAR Virtual Ethernet IEEE

Indicates whether the LPAR is virtual ethernet IEEE compliant.

Example: "false"

LPAR Virtual SCSI Remote LPAR

Specifies the remote LPAR associated with the virtual SCSI adapter for the provisioned LPAR.

Example: "lpar_hostname"

LPAR Virtual SCSI Adapter Is Client

Indicates whether the virtual SCSI adapter is a client for the provisioned LPAR.

Default: "true"

LPAR Virtual SCSI Adapter Is Required

Indicates whether the virtual SCSI adapter is required for the provisioned LPAR.

Default: "false"

LPAR NIM Provision Res Grp-IVM

Provisions an LPAR partition and installs an operating system based on a NIM image. The selection is made from a resource group. The IVM (Integrated Virtual Manager) engine is used to provision the image.

Component

img

HMC Server Name

Specifies the IBM Hardware Management Console name.

Example: "hostnamea"

Managed System Name

Specifies the IBM LPAR management system name.

Example: "lpar.any.com"

LPAR Partition Name

Specifies the name of the LPAR partition.

Example: "lpar_a"

LPAR Profile

Specifies the profile to use for the LPAR partition.

Example: "Default"

LPAR Virtual Slots

Specifies the maximum number of virtual slots to use for the LPAR provisioning.

Default: "10"

Provision LPAR

Indicates whether to provision an empty LPAR before installing the operating system. Select "false" if the LPAR exists and to install the operating system to it.

NIM Master

Specifies the name of the NIM master host where the list of available NIM images is obtained.

Example: "hostnamea"

NIM Machine Resource Name

Specifies the name of the NIM server used to install the operating system image to the provisioned LPAR.

Example: "machine_to_copy_from"

NIM Installation Type

Specifies the type of NIM installation to perform with the following options:

- rte - run-time environment
- mksysb - template based

NIM Resource Group

Specifies the name of the NIM resource group to use to provision the LPAR.

Example: "resource_group"

Target Username

Specifies the user name for the target machine for operating system installation.

Example: "root"

Target Password

Specifies the password for the target user name.

Example: "password"

Server Automation Template

(Optional) Specifies the server automation template to deploy to the LPAR.

Example: "software_package_template"

Agents Auto Deploy

(Optional) Indicates whether to deploy CA Configuration Automation, Performance, and Asset Management agents to the LPAR.

Example: "false"

Scalability Server

(Optional) Specifies the scalability server to use to deploy the software delivery agent.

Example: "itcm_server"

LPAR Virtual Slots

Specifies the maximum number of virtual slots to use for the LPAR provisioning.

Default: "10"

LPAR Min CPU Requested

Specifies the minimum number of CPUs for this LPAR provisioning.

Example: "1"

LPAR Max CPU Requested

Specifies the maximum number of CPUs for this LPAR provisioning.

Example: "1"

LPAR Num of CPU Desired

Specifies the ideal number of CPUs for this LPAR provisioning.

Example: "1"

LPAR CPU Shared Mode

Indicates whether to provision the CPU for the LPAR in shared mode.

Default: "true"

LPAR Min CPU Unit Requested

Specifies the minimum CPU unit slice for the LPAR provisioning.

Example: "0.2"

LPAR Max CPU Unit Requested

Specifies the maximum CPU unit slice for the LPAR provisioning.

Example: "0.2"

LPAR Desired Min CPU Unit

Specifies the ideal CPU unit slice for the LPAR provisioning.

Example: "0.2"

LPAR CPU Capped

Indicates whether the CPU for the provisioned LPAR is capped.

Default: "true"

LPAR CPU Uncapped Weight

Specifies the uncapped weight for the provisioned LPAR when LPAR CPU Capped is set to false.

Example: "128"

LPAR Minimum Memory

Specifies the minimum memory for the provisioned LPAR.

Example: "512"

LPAR Maximum Memory

Specifies the maximum memory for the provisioned LPAR.

Example: "1024"

LPAR Memory Desired

Specifies the ideal memory for the provisioned LPAR.

Example: "512"

LPAR Virtual Ethernet IEEE

Indicates whether the LPAR is virtual ethernet IEEE compliant.

Example: "false"

LPAR Virtual SCSI Remote LPAR

Specifies the remote LPAR associated with the virtual SCSI adapter for the provisioned LPAR.

Example: "lpar_hostname"

LPAR Virtual SCSI Adapter Is Client

Indicates whether the virtual SCSI adapter is a client for the provisioned LPAR.

Default: "true"

LPAR Virtual SCSI Adapter Is Required

Indicates whether the virtual SCSI adapter is required for the provisioned LPAR.

Default: "false"

Chapter 11: Network Automation Connectors

A complete list of Network Automation connectors follows.

This section contains the following topics:

NMA Check Script

Returns status information for a Network Automation script job.

Component

nma

NMA Job ID

Specifies the Network Automation job ID.

Example: "55"

NMA List Devices

Returns status information for a Network Automation script job.

Component

nma

NMA Filter Name

Specifies the Network Automation filter name to use. The drop-down list shows the available filters.

Example: "DeviceID"

NMA Filter Value

Specifies the Network Automation filter value to apply to return the appropriate list.

Example: "56"

NMA List Scripts

Returns a list of available Network Automation scripts.

Component

nma

NMA Filter Name

Specifies the Network Automation filter name to use. Available values are:

- *Leave blank to return all scripts*
- id
- name

NMA Filter Value

Specifies the Network Automation filter value to apply to return the appropriate list.

Example: "56"

NMA Run Script

Returns status information for a Network Automation script job.

Component

nma

NMA Script ID

Specifies the Network Automation script ID.

Example: "56"

NMA Device ID

Specifies the ID of the Network Automation device to use.

Example: "17"

NMA Device Group ID

(Optional) Specifies the ID of the Network Automation device group to use.

Example: "20"

NMA Script Variable 1-5 Name

Specifies up to 5 script variables.

Example: "$vlan_id"

NMA Script Variable 1-5 Value

Specifies the corresponding value for up to 5 variables.

Example: "200"

Chapter 12: RSI Connectors

A complete list of RSI connectors follows.

This section contains the following topics:

RSI Assign Agent

Assigns an RSI agent for bare-metal image deployments.

Component

rsi

RSI Image Hostname

Specifies the machine hosting the RSI server.

Example: "RacemiBoot"

RSI Is Baremetal

Indicates that the additional assign agent step executes. This parameter is read-only.

Default: "true"

RSI System Type

Specifies the type of system for image deployment.

Example: "virtual"

RSI Server ID

Specifies a unique ID for the server.

Note: You must provide either a Server ID or a MAC Address.

RSI Target MAC

Specifies the MAC address of the server.

Example: "00:50:56:AB:16:BC"

Note: You must provide either a Server ID or a MAC Address.

RSI OS Type

Specifies the operating system type for the image deployment.

Example: "Microsoft_Windows-2003_*_*-*"

RSI Boot Network

Specifies the boot network to use.

Example: "lod1259_net"

Synchronized

If set to yes, the RSI Perform Image Deployment connector waits until the Assign Agent connector finishes. This is a necessary condition for a bare metal deployment scenario.

Default: "Yes"

RSI Cloud Deploy

Deploys an RSI image to an AppLogic application.

Component

img

RSI Image Hostname

Specifies the machine hosting the RSI server.

Example: "RacemiBoot"

AppLogic Grid

Specifies the name of the grid.

Example: "user-grid"

AppLogic Template

Specifies the name of the application template.

Example: "sample application template"

AppLogic Application Name

Specifies the name of the application.

Example: "sample application"

AppLogic Application Parameters

Specifies a set of comma-separated provisioning parameters and their corresponding values for the application.

Example: "hostname-anyhost, usr_ip=127.0.0.1, admin_ip=127.1.0.2"

RSI Image Name

Specifies the image name.

Example: “userid_RedHat_Linux_EL_4_ITPAM”

RSI Server ID

Specifies the server identification to receive the image.

Example: "anysystem.com-RHEL5"

RSI Boot Network

Specifies the boot network to use.

Example: "lod1259_net"

RSI Depot

Specifies the RSI depot to use.

Example: "demo-depot"

RSI Domain

Specifies the RSI domain to use during deployment.

Example: "rsi-domain"

RSI Get Image List

Retrieves captured images stored in the RSI server.

Component

rsi

RSI Host

Specifies the machine name hosting the RSI server.

Example: “RacemiBoot”

RSI Depot

Specifies the RSI depot to use.

Example: "demo-depot"

RSI Job Status

The RSI Job Status connector is superseded by the Imaging Job Status (see page 21) connector.

RSI List Boot Networks

Lists the networks visible to the RSI server.

Component

rsi

RSI Host

Specifies the machine name hosting the RSI server.

Example: “RacemiBoot”

RSI List Depots

Lists the available depots for the RSI server.

Component

rsi

RSI Image Hostname

Specifies the machine hosting the RSI server.

Example: "RacemiBoot"

RSI List Hypervisors

Lists the servers hosting hypervisors available to the RSI server.

Component

rsi

RSI Host

Specifies the machine name hosting the RSI server.

Example: “RacemiBoot”

RSI Operation Status

Retrieves the status of services running on an RSI server.

Component

rsi

RSI Target Host

Specifies the machine name hosting the RSI server.

Example: "RacemiBoot"

RSI OS Type List

Retrieves a list of valid OS types.

Component

rsi

RSI Host Name

Specifies the machine name hosting the RSI server.

Example: “RacemiBoot”

RSI Perform Image Capture

Captures an RSI image of the target server.

Component

img

RSI Target Host

Specifies the machine name hosting the RSI server.

Example: "RacemiBoot"

RSI Depot

Specifies the RSI depot to use.

Example: "demo-depot"

RSI Image Name

Specifies the image name.

Example: “userid_RedHat_Linux_EL_4_ITPAM”

RSI Image Description

(Optional) Specifies a description for the deployed image.

OS Type

Specifies a valid operating system type in the RSI server.

Example: “RedHat_Linux-El_4_*-*”

RSI Mac Address To Capture From

Specifies the Mac Address of the server to capture.

Example: "00:50:56:AB:16:BC"

RSI Server ID

Specifies a unique ID for the server.

Note: You must provide either a Server ID or a MAC Address.

RSI Image Profile

(Optional) Specifies the profile source to use.

Example: The URL or ‘/tmp/profile’ location.

RSI Capture Type

(Optional) Specifies the type of capture. Available values are:

- live
- offline

Default: "live"

RSI Boot Network

(Optional) Specifies the boot network to use.

Example: "lod1259_net"

Exclude File System

(Optional) Specifies a comma-separated list of file systems to exclude from the capture.

Example: "D,E" (Windows), "/home" (Linux)

RSI Perform Image Deployment

Deploys images.

Component

img

RSI Target Host

Specifies the machine name hosting the RSI server.

Example: "RacemiBoot"

RSI Depot

Specifies the RSI depot to use.

Example: "demo-depot"

RSI Image Name

Specifies the image name.

Example: “userid_RedHat_Linux_EL_4_ITPAM”

RSI MAC Address

Specifies the MAC address of the newly deployed server.

Example: "00:50:56:AB:16:BC"

Server Id

(Optional) Specifies a unique ID for the server identified for the Mac Address.

RSI Image Description

(Optional) Specifies a description for the deployed image.

OS Type

Specifies a valid operating system type in the RSI server.

Example: “RedHat_Linux-El_4_*-*”

RSI Image Profile

(Optional) Specifies the profile source to use.

Example: The URL or ‘/tmp/profile’ location.

RSI Profile Hostname

(Optional) Specifies a hostname profile to override the existing profile during deployment.

Example: "anyhost.com"

RSI Boot Network

(Optional) Specifies the boot network to use.

Example: "lod1259_net"

RSI System Type

(Optional) Specifies the type of system for image deployment.

Example: "virtual"

RSI OS Type

(Optional) Specifies the operating system type for the image deployment.

Example: "Microsoft_Windows-2003_*_*-*"

RSI DHCP 1-3

(Optional) Specifies DHCP settings for up to 3 networks. Available values are:

- static
- dhcp

RSI Network 1-3

(Optional) Specifies static IP addresses for up to 3 networks.

Example: "127.0.0.1"

RSI Network 1-3 Netmask

(Optional) Specifies static netmasks for up to 3 networks.

Example: "255.255.255.0"

RSI Network 1-3 Interface

(Optional) Specifies network interfaces for up to 3 networks.

Example: "1"

RSI Perform Image Removal

Deletes a previously captured image from the RSI store.

Component

rsi

RSI Target Host

Specifies the machine name hosting the RSI server.

Example: "RacemiBoot"

RSI Image Name

Specifies the image name.

Example: “userid_RedHat_Linux_EL_4_ITPAM”

RSI Depot

Specifies the RSI depot to use.

Example: "demo-depot"

RSI Register Depot

Registers a depot with the RSI server.

Important! This CA Process Automation connector returns a successful status even if depot registration fails. Verify the status of the task with the dpmrsi task_status command, specifying the task_id from CA Process Automation (for example, RegisterDepot-06f9f4de99), or check the Jobs pane in CA Server Automation.

Component

rsi

RSI Image Hostname

Specifies the machine hosting the RSI server.

Example: "RacemiBoot"

RSI Depot

Specifies the RSI depot to use.

Example: "demo-depot"

RSI Depot Location

Specifies the location of the depot.

Example: "default=dav://10.10.10.10"

RSI Depot URL

Specifies a URL for the depot.

Example: "dav://10.10.10.10/repo/demo-depot"

RSI Depot Description

Specifies a description for the depot.

RSI Depot Identity

Specifies a user credential for the depot.

RSI Depot Identity Password

Specifies a password for the depot identity.

RSI Register External Network

Registers an external network with the RSI server.

Component

rsi

RSI Image Hostname

Specifies the machine hosting the RSI server.

Example: "RacemiBoot"

RSI Network Name

Specifies the name of the network.

Example: "external"

RSI Network URL

Specifies the URL of the network.

Example: "https://www.anycomp.com:4433"

RSI Network Description

Specifies a description for the network.

RSI Register Hypervisor

Registers a hypervisor with the RSI server.

Component

rsi

RSI Host Name

Specifies the machine name hosting the RSI server.

Example: “RacemiBoot”

Hypervisor

Specifies the host name or IP address of the server hosting the hypervisor.

Example: "lod1324.com"

Hypervisor Type

Specifies the type of hypervisor.

Example: "VMware"

Hypervisor User

Specifies a valid user to access the server hosting the hypervisor.

Hypervisor Password

Specifies a password for the hypervisor user.

RSI Remove Depot

Removes a depot from the RSI server.

Component

rsi

RSI Image Hostname

Specifies the machine hosting the RSI server.

Example: "RacemiBoot"

RSI Depot

Specifies the RSI depot to use.

Example: "demo-depot"

RSI Remove Hypervisor

Removes a hypervisor from the RSI server.

Component

rsi

RSI Host Name

Specifies the machine name hosting the RSI server.

Example: “RacemiBoot”

Hypervisor

Specifies the host name or IP address of the server hosting the hypervisor.

Example: "lod1324.com"

RSI Remove Network

Removes an external network from the RSI server.

Component

rsi

RSI Image Hostname

Specifies the machine hosting the RSI server.

Example: "RacemiBoot"

RSI Network Name

Specifies the name of the network.

Example: "external"

RSI Show Depot

Returns information about an RSI depot.

Component

rsi

RSI Image Hostname

Specifies the machine hosting the RSI server.

Example: "RacemiBoot"

RSI Depot

Specifies the RSI depot to use.

Example: "demo-depot"

RSI Show Network

Returns information about an RSI network.

Component

rsi

RSI Image Hostname

Specifies the machine hosting the RSI server.

Example: "RacemiBoot"

RSI Network Name

Specifies the name of the network.

Example: "external"

Chapter 13: Software Delivery Connectors

A complete list of Software Delivery connectors follows.

This section contains the following topics:

Add Personality

Adds a new personality.

Component

sda

SD Host Name

Specifies the target server where the software package is delivered.

Example: “localhost.anycompany.com”

SD Package Name

Specifies the name of the package as it appears in the CA Server Automation UI. Use this name without the version number.

Example: “CCA Agent Solaris”

SD Package Version

Specifies the version for the software package.

Example: “r5.0”

SD Procedure

Specifies the procedure that the connector performs.

Example: “Install”

SD Procedure Type

Specifies the type of procedure that the connector performs.

Example: “INSTALL”

SD Target Machine User

Specifies a user with administrator privileges for the target server.

Example: “root” or “Administrator”

SD Target Machine Password

Specifies the password for the user.

Example: “rootpassword” or “Adminpassword”

SD Operating System Type

Specifies the operating system installed in the target server.

Example: “Solaris”

SD Scalability Server

(Optional) Specifies the scalability server related to the software delivery server.

Example: “remotehost.anycompany.com”

ITCM Server

Specifies the CA ITCM server to use.

Example: "anyhost.co.com"

Check Software Delivery Status

Verifies the status of a software delivery package.

Component

sda

SD Job ID

Specifies the unique identifier for a software package job ID generated by the Add Personality connector.

Example: “1234”

Get Software Package List

Gets the available software package list.

Component

sda

ITCM Server

Specifies the CA ITCM server to use.

Example: "anyhost.co.com"

Get Software Package Procedure

Gets the available software package procedures.

Component

sda

ITCM Server

Specifies the CA ITCM server to use.

Example: "anyhost.co.com"

SD Software Package ID

Specifies the unique identification for a package.

Example: “EC30FD7386F34E1F8F09B084F5FBF7CB”

ITCM Add Computer

Adds a new computer system to the CA ITCM repository.

Component

sda

System Name

Specifies the name of the system.

System Description

(Optional) Specifies a description for the system.

System IP

Specifies the IP address to assign to the system.

System MAC Address

Specifies the MAC address to assign to the system.

Example: "000d5612B1FF"

OS Type

Specifies the operating system type to apply to the system.

Default: "any"

OS Image

Specifies the operating system image to use for the system.

ITCM Server

Specifies the CA ITCM server to use.

Example: "anyhost.co.com"

AM Agent

Indicates whether to deploy an AM agent.

Default: "false"

AM Performance Agent

Indicates whether to deploy an AM performance agent.

Example: "false"

AM Software Usage Agent

Indicates whether to deploy an AM software usage agent.

Example: "false"

DTS Agent

Indicates whether to deploy a DTS agent.

Example: "false"

Remote Control Agent

Indicates whether to deploy a remote control agent.

Example: "false"

SD Agent

Indicates whether to deploy a software delivery agent.

Example: "false"

System ID

(Optional) Specifies the system ID.

Boot Server

(Optional) Specifies the boot server to use for OS installation.

Example: "localhost.com"

OS Category

(Optional) Specifies a numeric OS category to apply to the system.

Example: "0"

ITCM Get Software Job Status

The ITCM Get Software Job Status connector is superseded by the Imaging Job Status (see page 21) connector.

ITCM OS Image List

Gets the available list of OS images in a CA ITCM server.

Component

sda

SD Session ID

Not currently implemented.

ITCM Server

Specifies the CA ITCM server to use.

Example: "anyhost.co.com"

ITCM OS Imaging Parameters

Gets the OS images parameters in a CA ITCM server.

Component

sda

ITCM Server

Specifies the CA ITCM server to use.

Example: "anyhost.co.com"

SD OS Image Name

Specifies the software delivery OS image name.

Example: "ITCM Windows 2008"

SD OS Category Id

Specifies the CA ITCM OS category to use.

Example: “ITCM Windows 2008"

ITCM Server Info

Gets information about the CA ITCM server.

Component

sda

ITCM Server

Specifies the CA ITCM server to use.

Example: "anyhost.co.com"

Provision OSIM Image

Creates an OSIM image.

Component

img

ITCM Server

Specifies the CA ITCM server to use.

Example: "anyhost.co.com"

Target Machine

Specifies the name of the machine to provision.

Example: “TestServer”

Target User Name

Specifies the administrator name for the new machine.

Example: “administrator”

Target Password

Specifies a password for the administrator user.

Example: “password”

Image Name

Specifies the template name to use to provision.

Target Machine MAC Address

Specifies the MAC address for the new machine.

Example: “000d5612B1FF”

Auto Deploy Agent

Indicates whether to trigger agent delivery after provisioning.

Example: “Yes”, “No”

Scalability Server

(Optional) Specifies a fully qualified name.

Example: “localhost.anycompany.com”

Chapter 14: SSRM Connectors

A complete list of SSRM connectors follows.

This section contains the following topics:

SSRM Cancel Reservation

Cancels an existing reservation.

Component

caresman

SSRM Username

Specifies the name of the Reservation Manager user.

Example: “ssrm_user”

SSRM Reservation ID

Specifies the ID of the reservation.

Example: “2”

SSRM Check System Availability

Verifies the system availability for a Reservation Manager reservation.

Component

caresman

SSRM Username

Specifies the name of the Reservation Manager user.

Example: “ssrm_user”

SSRM Org Unit

Specifies the Reservation Manager organizational unit.

Example: “Public”

SSRM Start DateTime

Specifies the date and time to start verifying the availability window. Define the time in a 24 hour clock, and provide the Zulu timezone.

Example: “2010-10-15 12:00:00Z”

SSRM End DateTime

Specifies the date and time to stop verifying the availability window. Define the time in a 24 hour clock, and provide the Zulu timezone.

Example: “2010-10-16 12:00:00Z”

SSRM System Image ID

Specifies the system image ID (VM template) defined in the Reservation Manager system.

Example: “4939434-49493843-sd”

SSRM Resource Count

Specifies the number of systems to create during this reservation.

Example: "1"

SSRM Min CPUs

Specifies the number of CPUs to assign to each reserved system. Available values are 1, 2, or 4.

Example: "1"

SSRM Min Memory

Specifies the minimum amount of memory assigned to the reserved system. This value is controlled based on the Reservation Manager image value.

Example: "1024"

SSRM Min Disk

Specifies the minimum size of reserved system disk. This value is controlled based on the Reservation Manager image value.

Example: "6GB"

SSRM Resource Pool

Specifies the resource pool where the reservation resides.

Example: “ssrm-demo”

SSRM Create Reservation

Creates a reservation in Reservation Manager.

Component

caresman

SSRM Username

Specifies the name of the Reservation Manager user.

Example: “ssrm_user”

SSRM Org Unit Name

Specifies the Reservation Manager organizational unit.

Example: “Public”

SSRM Start DateTime

Specifies the date and time to start verifying the availability window. Define the time in a 24 hour clock, and provide the Zulu timezone.

Example: “2010-10-15 12:00:00Z”

SSRM End DateTime

Specifies the date and time to stop verifying the availability window. Define the time in a 24 hour clock, and provide the Zulu timezone.

Example: “2010-10-16 12:00:00Z”

SSRM System Image ID

Specifies the system image ID (VM template) defined in the Reservation Manager system.

Example: “4939434-49493843-sd”

SSRM Project ID

(Optional) Specifies a user created project ID from the project management tool.

SSRM Notes

(Optional) Specifies notes for this reservation.

SSRM Send Notifications

Specifies the email address of the user to receive notification when this reservation is ready.

SSRM Save As Template

(Optional) Indicates whether to save this reservation as a template for future use.

SSRM Template Description

(Optional) Specifies a description for the template when the reservation is saved as a template.

SSRM Resource Count

Specifies the number of systems to create during this reservation.

Example: "1"

SSRM Min CPUs

Specifies the number of CPUs to assign to each reserved system. Available values are 1, 2, or 4.

Example: "1"

SSRM Min Memory

Specifies the minimum amount of memory assigned to the reserved system. This value is controlled based on the Reservation Manager image value.

Example: "1024"

SSRM Min Disk

Specifies the minimum size of reserved system disk. This value is controlled based on the Reservation Manager image value.

Example: "6GB"

SSRM Resource Pool

Specifies the resource pool where the reservation resides.

Example: “ssrm-demo”

SSRM Software Group

Specifies the Reservation Manager system where software packages can be deployed in a reservation.

SSRM Add Disk 2-7

(Optional) Specifies information for additional disks. Values are represented as 100MB or 10GB.

SSRM Extend Reservation

Extends an existing reservation.

Component

caresman

SSRM Username

Specifies the name of the Reservation Manager user.

Example: “ssrm_user”

SSRM Is User Admin

Indicates whether the user is an administrator. Available values are "0" (false) or "1" (true).

Example: "0"

SSRM Reservation ID

Specifies the ID of the reservation.

Example: “2”

SSRM Res Extension Time

Specifies the date and time to extend the reservation to. Use format *yyyy-mm-dd*T*hh:mm:ss*Z using the 24-hour clock.

Example: "2011-10-30T12:00:00Z"

SSRM Get Data Software

Get the necessary software groups for a Reservation Manager reservation.

Component

caresman

SSRM Username

Specifies the name of the Reservation Manager user.

Example: “ssrm_user”

SSRM Org Unit Name

Specifies the Reservation Manager organizational unit.

Example: “Public”

Caller Type

Specifies the type of call made to obtain the available software groups defined in the Reservation Manager system. The default value cannot be changed.

Default: “user”

Callback ID

Specifies the callback ID for this connector. The default value cannot be changed.

Default: “1”

CLS

Specifies the action to filter on. The default value cannot be changed.

Default: “SoftwareGroup”

Filter Type

Specifies the filter type to use in this connector. The default value cannot be changed.

Default: “SelectorSet”

SSRM Get Data Template

Gets the necessary system templates for a Reservation Manager reservation.

Component

caresman

SSRM Username

Specifies the name of the Reservation Manager user.

Example: “ssrm_user”

SSRM Org Unit Name

Specifies the Reservation Manager organizational unit.

Example: “Public”

Caller Type

Specifies the type of call made to obtain the available software groups defined in the Reservation Manager system. The default value cannot be changed.

Default: “user”

Callback ID

Specifies the callback ID for this connector. The default value cannot be changed.

Default: “1”

CLS

Specifies the action to filter on. The default value cannot be changed.

Default: “Systemimage”

Filter Type

Specifies the filter type to use in this connector. The default value cannot be changed.

Default: “SelectorSet”

SSRM Get Res Status

Gets Reservation Manager reservation creation status.

Component

caresman

SSRM Username

Specifies the name of the Reservation Manager user.

Example: “ssrm_user”

SSRM Org Unit Name

Specifies the Reservation Manager organizational unit.

Example: “Public”

Caller Type

Specifies the type of call made to obtain the available software groups defined in the Reservation Manager system. The default value cannot be changed.

Default: “user”

Callback ID

Specifies the callback ID for this connector. The default value cannot be changed.

Default: “1”

CLS

Specifies the action to filter on. The default value cannot be changed.

Default: “ReservationDetail”

Filter Type

Specifies the filter type to use in this connector. The default value cannot be changed.

Default: “SelectorSet”

SSRM Reservation ID

Specifies the ID of the reservation.

Example: “2”

SSRM Get Resrc Pool

Gets the resource pools for a Reservation Manager reservation.

Component

caresman

SSRM Username

Specifies the name of the Reservation Manager user.

Example: “ssrm_user”

SSRM Org Unit Name

Specifies the Reservation Manager organizational unit.

Example: “Public”

Caller Type

Specifies the type of call made to obtain the available software groups defined in the Reservation Manager system. The default value cannot be changed.

Default: “user”

Callback ID

Specifies the callback ID for this connector. The default value cannot be changed.

Default: “1”

CLS

Specifies the action to filter on. The default value cannot be changed.

Default: “ResourcePool”

Filter Type

Specifies the filter type to use in this connector. The default value cannot be changed.

Default: “SelectorSet”

SSRM Get System Requirements

Gets the necessary system requirements for a Reservation Manager reservation.

Component

caresman

SSRM Username

Specifies the name of the Reservation Manager user.

Example: “ssrm_user”

SSRM Org Unit Name

Specifies the Reservation Manager organizational unit.

Example: “Public”

Caller Type

Specifies the type of call made to obtain the available software groups defined in the Reservation Manager system. The default value cannot be changed.

Default: “user”

Callback ID

Specifies the callback ID for this connector. The default value cannot be changed.

Default: “1”

CLS

Specifies the action to filter on. The default value cannot be changed.

Default: “MaxAllowedResources”

Filter Type

Specifies the filter type to use in this connector. The default value cannot be changed.

Default: “SelectorSet”

SSRM Image ID

Specifies the system ID assigned to the VM templates.

Example: “3940930-3949349-3948934”

SSRM Get VM Res Name

Returns the VM name for a reservation.

Component

caresman

SSRM Username

Specifies the name of the Reservation Manager user.

Example: “ssrm_user”

SSRM Org Unit Name

Specifies the Reservation Manager organizational unit.

Example: “Public”

SSRM Reservation ID

Specifies the ID of the reservation.

Example: “2”

SSRM Return Res System

Returns a reserved system for either a single or multi system reservation.

Component

caresman

SSRM Username

Specifies the name of the Reservation Manager user.

Example: “ssrm_user”

SSRM Reservation ID

Specifies the ID of the reservation.

Example: “2”

SSRM Reservation System Name

Specifies the name of the system in a multi-VM reservation to return.

Example: "vm_name"

SSRM Verify User

Verifies that a user can create Reservation Manager reservations.

Component

caresman

SSRM Username

Specifies the name of the Reservation Manager user.

Example: “ssrm_user”

Chapter 15: Storage Connectors

A complete list of Storage connectors follows.

This section contains the following topics:

Storage Create NAS Datastore

Creates a NAS (NFS, CIFS, MixedMode) datastore.

Component

vc

vCenter Name

Specifies the fully qualified domain name (FQDN) of the VMware vCenter server.

Example: “vpm-vc01.domain.com”

ESX Name

Specifies the fully qualified domain name (FQDN) of the ESX Server.

Example: “esxhost.com”

Datastore Name

Specifies the name of the datastore.

Example: “mystore10”

Access Mode

Specifies the access mode for the mount point. Available values are “readOnly” or “readWrite”.

Example: “readOnly”

Host Name

Specifies the host running the NFS server.

Example: “nfsserverhost01”

Host Path

Specifies the remote path of the NFS mount point.

Example: “/vol/nfsmountpoint_01/nfsmountpoint”

Type

Specifies the type of NAS volume. Available values are "CIFS" or "NFS".

Default: "NFS"

Storage Create SAN Datastore

Creates a SAN (FCP, SCSI) datastore.

Component

vc

vCenter Name

Specifies the fully qualified domain name (FQDN) of the VMware vCenter server.

Example: “vpm-vc01.domain.com”

ESX Name

Specifies the fully qualified domain name (FQDN) of the ESX Server.

Example: “esxhost.com”

Datastore Name

Specifies the name of the datastore.

Example: “mystore10”

Device Path

Specifies the storage path.

Example: "/vmfs/devices/disks/naa.01"

Block Size

Specifies the block size of the datastore. Available values are 1, 2, 4, or 8.

Example: “2”

Storage Deprovision

Deprovisions a dataset.

Component

spm

Dataset Name

Specifies the name of the dataset.

Example: “mydataset-01”

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: “host01.domain.com”

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Storage Discover

Discovers storage objects such as datasets and resource pools.

Component

spm

Type

Specifies the type of object to discover. The available values are:

0 – Dataset

1 – Resource Pool

2 – Provision Policy

3 – Storage Service

4 – vFiler

6 – Storage System

Default: “0”

Filter

Specifies the XPath type filter to specify the criteria for data returned where a subset of all data is desired. This filter is a key and value pairing that works with two possible keys (name or type). For instance, if you want a list of all datasets that start with "QAtest" enter name=QAtest*. If you want a list of SAN or NAS provisioning policies, enter type=san or type=nas.

Example: “name=test*”

Detail

Specifies the level of detail to return. The available values are:

0 – Basic

1 – Simple

2 – Complete

Storage Discover has several objects it can discover and the details of each object are different. Basic returns minimal information (such as name and description). Simple includes more information than Basic. Complete returns the most detailed information.

Default: “0”

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: “host01.domain.com”

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Storage Get Available SCSI Disks

Get a list of the available SCSI disks.

Component

vc

vCenter Name

Specifies the fully qualified domain name (FQDN) of the VMware vCenter server.

Example: “vpm-vc01.domain.com”

ESX Name

Specifies the fully qualified domain name (FQDN) of the ESX Server.

Example: “esxhost.com”

Datastore Index

(Optional) Specifies the name of the datastore index.

Example: “datastore-0001”

To obtain the datastore index:

1. Navigate to Start -> Programs -> CA -> CA Server Automation - > CA Server Automation Command Prompt.
2. Enter the following command:

   ```
   C:\CA\productname\bin>caaipaomwsclient /enumerate=CA_Datastore
   /queryFilter="Select * from CA_Datastore where ElementName='datastore'"
   /user=user /password=password
   ```

   Replace *datastore* with the name of the datastore, replace *user* and *password* with credentials for a CA Server Automation authorized user.

Use the value returned by 'Index' as the datastore index.

Storage Get Host HBA

Get a list of the host bus adapters (HBAs).

Component

vc

vCenter Name

Specifies the fully qualified domain name (FQDN) of the VMware vCenter server.

Example: “vpm-vc01.domain.com”

ESX Name

Specifies the fully qualified domain name (FQDN) of the ESX Server.

Example: “esxhost.com”

Storage Lun Break

Breaks a Lun through Snapmirror (the NetApp data replication option).

Component

spm

Destination Volume

Specifies a volume or Lun to receive information.

Example: “uservol01”

Destination Filer

Specifies a storage host for vFiler and Lun.

Example: “destfiler”

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: “host01.domain.com”

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Storage Lun Status

Gets the status of an update Lun action.

Component

spm

Destination Filer

Specifies a storage host for vFiler and Lun.

Example: “destfiler”

Destination Volume

Specifies a volume or Lun to receive information.

Example: “uservol01”

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: “host01.domain.com”

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Storage Move

Performs a completed move (including both vFiler and Lun) and runs the following actions:

- Storage Lun Break
- Storage Lun Status
- Storage Move Lun
- Storage vFiler Active
- Storage vFiler Resync
- Storage vFiler Status
- Storage vFiler Stop
- Storage vLan Interface
- Storage Volume Offline

Note: Set up the Disaster Recovery Lun and vFiler before running this command.

Component

spm

Source Volume

Specifies the volume or Lun.

Example: “uservol1”

Source Filer

Specifies the original storage host containing vFiler and Lun.

Example: “sourcefiler01”

Destination Volume

Specifies a volume or Lun to receive information.

Example: “uservol01”

Destination Filer

Specifies a storage host for vFiler and Lun.

Example: “destfiler”

vFiler Name

Specifies the name of the vFiler.

Example: “somevfiler”

vFiler VLAN

Specifies the virtual LAN ID of the vFiler.

Example: “e0b”

Remote Filer User Name

Specifies a user name to log in to the remote storage host.

Example: “username”

Remote Filer Password

Specifies the password for the user name.

Example: “password01”

Synchronous

Indicates whether to perform a synchronous Snapmirror transfer (Snapmirror must be licensed). Available values are "true" or "false".

Default: “false”

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: “host01.domain.com”

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: "0"

Storage Platform Type

Specifies the storage platform type. The only possible value is "1" (NetApp).

Default: "1"

Storage Move Lun

Moves storage (vFiler and Lun) from one to another through Snapmirror (the NetApp data replication option).

Note: This connector uses the NetApp Disaster Recovery option. The destination vFiler and Lun must be set up and ready to accept information. Set up the Disaster Recovery Lun before running this command.

Component

spm

Source Filer

Specifies the original storage host containing vFiler and Lun.

Example: "sourcefiler01"

Source Volume

Specifies the volume or Lun.

Example: "uservol1"

Destination Filer

Specifies a storage host for vFiler and Lun.

Example: "destfiler"

Destination Volume

Specifies a volume or Lun to receive information.

Example: "uservol01"

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: "host01.domain.com"

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Storage Provision and Attach CIFS

Provision CIFS dataset and attach it to a physical or virtual machine.

Component

spm

Target Server ModelPath

Specifies the ModelPath of the server from CA Server Automation.

Example:
“https://localhost/aip/AOM/root/cimv2:CA_ComputerSystem.CreationClassName="CA_ComputerSystem",Name="3c16db00-405a-11e0-9207-0800200c9a66"

To obtain the target server ModelPath:

1. Navigate to Start -> Programs -> CA -> CA Server Automation - > CA Server Automation Command Prompt.
2. Enter the following command:

   ```
   C:\CA\productname\bin>caaipaomwsclient /enumerate=CA_ComputerSystem
   /queryFilter="Select Name from CA_ComputerSystem where
   ElementName='server_name'" /user=user /password=password
   ```

   Replace *server_name* with the name of the server. Replace *user* and *password* with credentials for the CA Server Automation authorized user.
3. Use the value returned by 'Name' in the target server ModelPath.

Name

Specifies the name to use for the dataset and datastore.

Example: “mydataset-01”

Size in MB

Specifies the size of storage to create in megabytes.

Example: “5000”

Description

(Optional) Specifies a text description for the dataset.

Example: “my dataset”

Owner

(Optional) Specifies the owner of the dataset.

Example: “OwnerName”

Provisioning Policy

Specifies the NetApp policy to use when creating the dataset.

Example: “NAS_policy”

Resource Pool Name

Specifies the resource pool to use for the dataset.

Example: “lodnetapp10z”

Resource Pool ID

(Optional) Specifies the ID of the resource pool.

Example: “1234”

Group

(Optional) Specifies a group name to use to group the provisioned storage.

Example: “group01”

Container

(Optional) Specifies the name of the storage container in which to add the dataset.

Example: “stor_container01”

vFiler Name

(Optional) Specifies the name of the vFiler.

Example: “lodnetapp40”

vFiler IP Address

(Optional) Specifies the IP address of the vFiler.

Example: “123.456.7.89”

vFiler Network Mask

(Optional) Specifies the network mask of the vFiler.

Example: “23”

Dry Run Mode

Specifies whether to perform a test of provisioning. Available values are:

0 – None (performs the provision without performing Dry Run)

1 – Dry Run Only (pseudo provisioning (failure prediction) that verifies the specified parameters)

2 – Provision with Dry Run (performs pseudo provisioning and provisioning)

Default: “0”

CIFS Domain

Specifies the name of the CIFS domain.

Example: “somedomain.com”

CIFS User

Specifies the CIFS user name.

Default: "everyone"

CIFS User Permissions

Specifies CIFS user permissions. Available values are:

0 – No Access

1 – Full Control

2 – Read

3 – Change

Default: “1”

Time Zone

(Optional) Specifies a time zone for the dataset.

Example: “GMT-5”

Contact

(Optional) Specifies email addresses for contact information. Separate multiple email addresses with commas.

Example: user1@company.com, user2@company.com

Call Asynchronously

Indicates whether calls return immediately or wait for commands to return. When "true", calls return immediately and you must verify the JobStatus.

Default: “false”

Attach Username

(Optional) Specifies the user name to connect to the host to mount storage.

Example: "username"

Attach Password

(Optional) Specifies the user password to connect to the host to mount storage.

Example: "password"

Attach Location

(Optional) Specifies the directory on which to mount storage.

Example: "/vol/userdir/userdir01"

CIFS Attach Username

Specifies the CIFS user name authorized in the domain.

Example: “user23”

CIFS Attach Password

Specifies the password for the CIFS user name.

Example: “password”

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: “host01.domain.com”

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Storage Provision and Attach FCP

Provision an FCP dataset and attach it to the datastore.

Component

spm

Target Server ModelPath

Specifies the ModelPath of the server from CA Server Automation.

Example:
“https://localhost/aip/AOM/root/cimv2:CA_ComputerSystem.CreationClassName="CA_ComputerSystem",Name="3c16db00-405a-11e0-9207-0800200c9a66"

To obtain the target server ModelPath:

1. Navigate to Start -> Programs -> CA -> CA Server Automation - > CA Server Automation Command Prompt.
2. Enter the following command:

   ```
   C:\CA\productname\bin>caaipaomwsclient /enumerate=CA_ComputerSystem
   /queryFilter="Select Name from CA_ComputerSystem where
   ElementName='server_name'" /user=user /password=password
   ```

   Replace *server_name* with the name of the server. Replace *user* and *password* with credentials for the CA Server Automation authorized user.
3. Use the value returned by 'Name' in the target server ModelPath.

Name

Specifies the name to use for the dataset and datastore.

Example: “mydataset-01”

Size in MB

Specifies the size of storage to create in megabytes.

Example: “5000”

Description

(Optional) Specifies a text description for the dataset.

Example: “my dataset”

Owner

(Optional) Specifies the owner of the dataset.

Example: “OwnerName”

Provisioning Policy

Specifies the NetApp policy to use when creating the dataset.

Example: “NAS_policy”

Resource Pool Name

Specifies the resource pool to use for the dataset.

Example: “lodnetapp10z”

Resource Pool ID

(Optional) Specifies the ID of the resource pool.

Example: “1234”

Group

(Optional) Specifies a group name to use to group the provisioned storage.

Example: “group01”

Container

(Optional) Specifies the name of the storage container in which to add the dataset.

Example: “stor_container01”

vFiler Name

(Optional) Specifies the name of the vFiler.

Example: “lodnetapp40”

vFiler IP Address

(Optional) Specifies the IP address of the vFiler.

Example: “123.456.7.89”

vFiler Network Mask

(Optional) Specifies the network mask of the vFiler.

Example: “23”

Initial Snapshot Size

Specifies the initial size of the snapshot in megabytes.

Default: "0"

Max Snapshot Size

Specifies the maximum size of the snapshot in megabytes.

Default: "0"

World Wide Port Host

(Optional) Specifies the host that owns the initiator.

Example: “somehost”

World Wide Port ID

(Optional) Specifies the initiator ID on a host to which to map a LUN.

Example: 00:00:00:00:00:00:00:00

World Wide Port OS

(Optional) Specifies the operating system type of the initiator host. Available values are:

0 – VMWARE

1 – AIX

2 – HP-UX

3 – Linux

4 – Solaris

5 – Netware

6 – Windows

7 – Windows_2008

8 – Windows_GPT

Default: “0”

Dry Run Mode

Specifies whether to perform a test of provisioning. Available values are:

0 – None (performs the provision without performing Dry Run)

1 – Dry Run Only (pseudo provisioning (failure prediction) that verifies the specified parameters)

2 – Provision with Dry Run (performs pseudo provisioning and provisioning)

Default: “0”

Time Zone

(Optional) Specifies a time zone for the dataset.

Example: “GMT-5”

Contact

(Optional) Specifies email addresses for contact information. Separate multiple email addresses with commas.

Example: user1@company.com, user2@company.com

Call Asynchronously

Indicates whether calls return immediately or wait for commands to return. When "true", calls return immediately and you must verify the JobStatus.

Default: “false”

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: “host01.domain.com”

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Storage Provision and Attach NAS

Provision a NAS dataset and attach it to the datastore.

Component

spm

Target Server ModelPath

Specifies the ModelPath of the server from CA Server Automation.

Example:
“https://localhost/aip/AOM/root/cimv2:CA_ComputerSystem.CreationClassName="CA_ComputerSystem",Name="3c16db00-405a-11e0-9207-0800200c9a66"

To obtain the target server ModelPath:

1. Navigate to Start -> Programs -> CA -> CA Server Automation - > CA Server Automation Command Prompt.
2. Enter the following command:

   ```
   C:\CA\productname\bin>caaipaomwsclient /enumerate=CA_ComputerSystem
   /queryFilter="Select Name from CA_ComputerSystem where
   ElementName='server_name'" /user=user /password=password
   ```

   Replace *server_name* with the name of the server. Replace *user* and *password* with credentials for the CA Server Automation authorized user.
3. Use the value returned by 'Name' in the target server ModelPath.

Name

Specifies the name to use for the dataset and datastore.

Example: “mydataset-01”

Size in MB

Specifies the size of storage to create in megabytes.

Example: “5000”

Description

(Optional) Specifies a text description for the dataset.

Example: “my dataset”

Owner

(Optional) Specifies the owner of the dataset.

Example: “OwnerName”

Provisioning Policy

Specifies the NetApp policy to use when creating the dataset.

Example: “NAS_policy”

Resource Pool Name

Specifies the resource pool to use for the dataset.

Example: “lodnetapp10z”

Resource Pool ID

(Optional) Specifies the ID of the resource pool.

Example: “1234”

Group

(Optional) Specifies a group name to use to group the provisioned storage.

Example: “group01”

Container

(Optional) Specifies the name of the storage container in which to add the dataset.

Example: “stor_container01”

vFiler Name

(Optional) Specifies the name of the vFiler.

Example: “lodnetapp40”

vFiler IP Address

(Optional) Specifies the IP address of the vFiler.

Example: “123.456.7.89”

vFiler Network Mask

(Optional) Specifies the network mask of the vFiler.

Example: “23”

Disable Set UID

Indicates whether to ignore attempts to enable the SETUID.

Default: “false”

User

Specifies the user for root access. If the client accessing the export is not present in the root access list for the export, the effective root user is the specified value. Default value is 65534 which maps to user "nobody". Valid values are user names not more than 255 characters or an integer ranging 0-65534.

Example: “someuser”

NFS Export Path Security

Specifies the security type supported on exports. Available values are:

0 – None

1 – Unix Style (SYS)

2 – Kerberos v5

3 – KRB5I - Kerberos v5

4 – KRB5P - Kerberos v5

Default: “0”

Max Data Size

Specifies the maximum storage space in megabytes.

Example: “4000”

Read Only

Indicates whether all hosts get read-only permissions on NFS exports. Available values are “true” and “ false”.

Default: “false”

Hostname

Specifies the host to grant NFS permissions.

Example: “somehost”

Host Privilege

Specifies the permission granted to the host on the NFS export path. Available values are:

0 – Read-only

1 – Write

2 – Root

Example: “2”

Host Exception

Indicates whether the host specified in the NFS host information is the exception to the host privilege specified. Available values are “true” or “false”.

Example: “true”

Dry Run Mode

Specifies whether to perform a test of provisioning. Available values are:

0 – None (performs the provision without performing Dry Run)

1 – Dry Run Only (pseudo provisioning (failure prediction) that verifies the specified parameters)

2 – Provision with Dry Run (performs pseudo provisioning and provisioning)

Default: “0”

Time Zone

(Optional) Specifies a time zone for the dataset.

Example: “GMT-5”

Contact

(Optional) Specifies email addresses for contact information. Separate multiple email addresses with commas.

Example: user1@company.com, user2@company.com

Call Asynchronously

Indicates whether calls return immediately or wait for commands to return. When "true", calls return immediately and you must verify the JobStatus.

Default: “false”

NFS User Name

Specifies the user name to connect to the host to mount storage.

Example: “user01”

NFS User Password

Specifies the password for the NFS user name.

Example: “password01”

NFS Mount Point

Specifies the directory on which to mount storage.

Example: “/vol/userdir/userdir01”

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: “host01.domain.com”

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Storage Provision and Attach SCSI

Provision a SCSI dataset and attach it to the datastore.

Component

spm

Target Server ModelPath

Specifies the ModelPath of the server from CA Server Automation.

Example:
“https://localhost/aip/AOM/root/cimv2:CA_ComputerSystem.CreationClassName="CA_ComputerSystem",Name="3c16db00-405a-11e0-9207-0800200c9a66"

To obtain the target server ModelPath:

1. Navigate to Start -> Programs -> CA -> CA Server Automation - > CA Server Automation Command Prompt.
2. Enter the following command:

   ```
   C:\CA\productname\bin>caaipaomwsclient /enumerate=CA_ComputerSystem
   /queryFilter="Select Name from CA_ComputerSystem where
   ElementName='server_name'" /user=user /password=password
   ```

   Replace *server_name* with the name of the server. Replace *user* and *password* with credentials for the CA Server Automation authorized user.
3. Use the value returned by 'Name' in the target server ModelPath.

Name

Specifies the name to use for the dataset and datastore.

Example: “mydataset-01”

Size in MB

Specifies the size of storage to create in megabytes.

Example: “5000”

Description

(Optional) Specifies a text description for the dataset.

Example: “my dataset”

Owner

(Optional) Specifies the owner of the dataset.

Example: “OwnerName”

Provisioning Policy

Specifies the NetApp policy to use when creating the dataset.

Example: “NAS_policy”

Resource Pool Name

Specifies the resource pool to use for the dataset.

Example: “lodnetapp10z”

Resource Pool ID

(Optional) Specifies the ID of the resource pool.

Example: “1234”

Group

(Optional) Specifies a group name to use to group the provisioned storage.

Example: “group01”

Container

(Optional) Specifies the name of the storage container in which to add the dataset.

Example: “stor_container01”

vFiler Name

(Optional) Specifies the name of the vFiler.

Example: “lodnetapp40”

vFiler IP Address

(Optional) Specifies the IP address of the vFiler.

Example: “123.456.7.89”

vFiler Network Mask

(Optional) Specifies the network mask of the vFiler.

Example: “23”

Initial Snapshot Size

Specifies the initial size of the snapshot in megabytes.

Default: "0"

Maximum Snapshot Size

Specifies the maximum size of the snapshot in megabytes.

Default: "0"

Initiator Host

Specifies the host that owns the initiator.

Example: “somehost.ca.com”

Initiator ID

Specifies an initiator ID on a host to which to map a LUN.

Example: "iqn.01.com.vmware:host01"

Initiator Host Type

Specifies the operating system type of the initiator host. Available values are:

0 – VMWARE

1 – AIX

2 – HP-UX

3 – Linux

4 – Solaris

5 – Netware

6 – Windows

7 – Windows_2008

8 – Windows_GPT

Default: “0”

Call Asynchronously

Indicates whether calls return immediately or wait for commands to return. When "true", calls return immediately and you must verify the JobStatus.

Default: “false”

Dry Run Mode

Specifies whether to perform a test of provisioning. Available values are:

0 – None (performs the provision without performing Dry Run)

1 – Dry Run Only (pseudo provisioning (failure prediction) that verifies the specified parameters)

2 – Provision with Dry Run (performs pseudo provisioning and provisioning)

Default: “0”

Attach Username

(Optional) Specifies the user name to connect to the host to mount storage.

Example: "username"

Attach Password

(Optional) Specifies the user password to connect to the host to mount storage.

Example: "password"

Attach Location

(Optional) Specifies the directory on which to mount storage.

Example: "/vol/userdir/userdir01"

Time Zone

(Optional) Specifies a time zone for the dataset.

Example: “GMT-5”

Contact

(Optional) Specifies email addresses for contact information. Separate multiple email addresses with commas.

Example: user1@company.com, user2@company.com

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: “host01.domain.com”

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Storage Provision CIFS

Provision a new CIFS dataset.

Component

spm

Dataset Name

Specifies the name of the dataset.

Example: “mydataset-01”

Storage Size in MB

Specifies the size of storage to create in megabytes.

Example: “5000”

Storage Description

(Optional) Specifies a text description for the dataset.

Example: “This is my dataset.”

Storage Owner

(Optional) Specifies the owner of the dataset.

Example: “OwnerName”

Storage Provisioning Policy

Specifies the NetApp Policy to use during creation of the dataset.

Example: “NAS_policy”

Storage Resource Pool

Specifies the resource pool to use for the dataset.

Example: “lodnetapp10z”

Storage Resource ID

(Optional) Specifies the resource pool ID.

Example: “1234”

Storage Group

(Optional) Specifies a name used to group the provisioned storage.

Example: “group01”

Storage Container

(Optional) Specifies the name of the storage container to which to add the dataset.

Example: “stor_container01”

vFiler Name

(Optional) Specifies the name of the vFiler.

Example: “lodnetapp40”

vFiler IP Address

(Optional) Specifies the IP address of the vFiler.

Example: “123.456.7.89”

vFiler Network Mask

(Optional) Specifies the network mask of the vFiler.

Example: “23”

CIFS Domain

Specifies the name of the CIFS domain.

Example: “somedomain.com”

CIFS User

Specifies the CIFS user name.

Default: "everyone"

CIFS User Permissions

Specifies CIFS user permissions. Available values are:

0 – No Access

1 – Full Control

2 – Read

3 – Change

Default: “1”

Dry Run Mode

Specifies whether to perform a test of provisioning. Available values are:

0 – None (performs the provision without performing Dry Run)

1 – Dry Run Only (pseudo provisioning (failure prediction) that verifies the specified parameters)

2 – Provision with Dry Run (performs pseudo provisioning and provisioning)

Default: “0”

Time Zone

(Optional) Specifies a time zone for the dataset.

Example: “GMT-5”

Contact

(Optional) Specifies email addresses for contact information. Separate multiple email addresses with commas.

Example: user1@company.com, user2@company.com

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: “host01.domain.com”

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Storage Provision FCP

Provision a new Fiber Channel dataset.

Component

spm

Dataset Name

Specifies the name of the dataset.

Example: “mydataset-01”

Storage Size in MB

Specifies the size of storage to create in megabytes.

Example: “5000”

Storage Description

(Optional) Specifies a text description for the dataset.

Example: “This is my dataset.”

Storage Owner

(Optional) Specifies the owner of the dataset.

Example: “OwnerName”

Storage Provisioning Policy

Specifies the NetApp Policy to use during creation of the dataset.

Example: “NAS_policy”

Storage Resource Pool

Specifies the resource pool to use for the dataset.

Example: “lodnetapp10z”

Storage Resource ID

(Optional) Specifies the resource pool ID.

Example: “1234”

Storage Group

(Optional) Specifies a name used to group the provisioned storage.

Example: “group01”

Storage Container

(Optional) Specifies the name of the storage container to which to add the dataset.

Example: “stor_container01”

vFiler Name

(Optional) Specifies the name of the vFiler.

Example: “lodnetapp40”

vFiler IP Address

(Optional) Specifies the IP address of the vFiler.

Example: “123.456.7.89”

vFiler Network Mask

(Optional) Specifies the network mask of the vFiler.

Example: “23”

Initiator Host

Specifies the host that owns the initiator.

Example: “somehost”

Initiator ID

Specifies an initiator ID on a host to which to map a LUN.

Example: "iqn.01.com.vmware:host01"

Initiator Host Type

Specifies the operating system type of the initiator host. Available values are:

0 – VMWARE

1 – AIX

2 – HP-UX

3 – Linux

4 – Solaris

5 – Netware

6 – Windows

7 – Windows_2008

8 – Windows_GPT

Default: “0”

Initial Snapshot Size

Specifies the initial size of the snapshot in megabytes.

Default: "0"

Max Snapshot Size

Specifies the maximum size of the snapshot in megabytes.

Default: "0"

Dry Run Mode

Specifies whether to perform a test of provisioning. Available values are:

0 – None (performs the provision without performing Dry Run)

1 – Dry Run Only (pseudo provisioning (failure prediction) that verifies the specified parameters)

2 – Provision with Dry Run (performs pseudo provisioning and provisioning)

Default: “0”

Time Zone

(Optional) Specifies a time zone for the dataset.

Example: “GMT-5”

Contact

(Optional) Specifies email addresses for contact information. Separate multiple email addresses with commas.

Example: user1@company.com, user2@company.com

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: “host01.domain.com”

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Storage Provision MixedMode

Provision a new MixedMode dataset.

Component

spm

Dataset Name

Specifies the name of the dataset.

Example: “mydataset-01”

Storage Size in MB

Specifies the size of storage to create in megabytes.

Example: “5000”

Storage Description

(Optional) Specifies a text description for the dataset.

Example: “This is my dataset.”

Storage Owner

(Optional) Specifies the owner of the dataset.

Example: “OwnerName”

Storage Provisioning Policy

Specifies the NetApp Policy to use during creation of the dataset.

Example: “NAS_policy”

Storage Resource Pool

Specifies the resource pool to use for the dataset.

Example: “lodnetapp10z”

Storage Resource ID

(Optional) Specifies the resource pool ID.

Example: “1234”

Storage Group

(Optional) Specifies a name used to group the provisioned storage.

Example: “group01”

Storage Container

(Optional) Specifies the name of the storage container to which to add the dataset.

Example: “stor_container01”

vFiler Name

(Optional) Specifies the name of the vFiler.

Example: “lodnetapp40”

vFiler IP Address

(Optional) Specifies the IP address of the vFiler.

Example: “123.456.7.89”

vFiler Network Mask

(Optional) Specifies the network mask of the vFiler.

Example: “23”

Hostname

Specifies the host to grant NFS permissions.

Example: “somehost”

Host Privilege

Specifies the permission granted to the host on the NFS export path. Available values are:

0 – Read-only

1 – Write

2 – Root

Example: “2”

Host Exception

Indicates whether the host specified in the NFS host information is the exception to the host privilege specified. Available values are “true” or “false”.

Example: “true”

Disable Set UID

Indicates whether to ignore attempts to enable the SETUID.

Default: “false”

User Root Access

Specifies a user for root access.

Example: “someuser”

NFS Export Path Security

Specifies the security type supported on exports. Available values are:

0 – None

1 – Unix Style (SYS)

2 – Kerberos v5

3 – KRB5I - Kerberos v5

4 – KRB5P - Kerberos v5

Default: “0”

Max Data Size

Specifies the maximum storage space in megabytes.

Example: “4000”

Read Only

Indicates whether all hosts get read-only permissions on NFS exports. Available values are “true” and “ false”.

Default: “false”

Domain

Specifies the name of the MixedMode domain.

Example: “somedomain.com”

Domain User

Specifies the domain user name.

Default: "everyone"

Domain Permission

Specifies domain user permissions. Available values are:

0 – No Access

1 – Full Control

2 – Read

3 – Change

Default: “1”

Dry Run Mode

Specifies whether to perform a test of provisioning. Available values are:

0 – None (performs the provision without performing Dry Run)

1 – Dry Run Only (pseudo provisioning (failure prediction) that verifies the specified parameters)

2 – Provision with Dry Run (performs pseudo provisioning and provisioning)

Default: “0”

Time Zone

(Optional) Specifies a time zone for the dataset.

Example: “GMT-5”

Contact

(Optional) Specifies email addresses for contact information. Separate multiple email addresses with commas.

Example: user1@company.com, user2@company.com

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: “host01.domain.com”

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Storage Provision NFS

Provision a new NFS dataset.

Component

spm

Dataset Name

Specifies the name of the dataset.

Example: “mydataset-01”

Storage Size in MB

Specifies the size of storage to create in megabytes.

Example: “5000”

Storage Description

(Optional) Specifies a text description for the dataset.

Example: “This is my dataset.”

Storage Owner

(Optional) Specifies the owner of the dataset.

Example: “OwnerName”

Storage Provisioning Policy

Specifies the NetApp Policy to use during creation of the dataset.

Example: “NAS_policy”

Storage Resource Pool

Specifies the resource pool to use for the dataset.

Example: “lodnetapp10z”

Storage Resource ID

(Optional) Specifies the resource pool ID.

Example: “1234”

Storage Group

(Optional) Specifies a name used to group the provisioned storage.

Example: “group01”

Storage Container

(Optional) Specifies the name of the storage container to which to add the dataset.

Example: “stor_container01”

vFiler Name

(Optional) Specifies the name of the vFiler.

Example: “lodnetapp40”

vFiler IP Address

(Optional) Specifies the IP address of the vFiler.

Example: “123.456.7.89”

vFiler Network Mask

(Optional) Specifies the network mask of the vFiler.

Example: “23”

Hostname

Specifies the host to grant NFS permissions.

Example: “somehost”

Host Privilege

Specifies the permission granted to the host on the NFS export path. Available values are:

0 – Read-only

1 – Write

2 – Root

Example: “2”

Host Exception

Indicates whether the host specified in the NFS host information is the exception to the host privilege specified. Available values are “true” or “false”.

Example: “true”

Disable Set UID

Indicates whether to ignore attempts to enable the SETUID.

Default: “false”

User

Specifies the user for root access. If the client accessing the export is not present in the root access list for the export, the effective root user is the specified value. Default value is 65534 which maps to user "nobody". Valid values are user names not more than 255 characters or an integer ranging 0-65534.

Example: “someuser”

NFS Export Path Security

Specifies the security type supported on exports. Available values are:

0 – None

1 – Unix Style (SYS)

2 – Kerberos v5

3 – KRB5I - Kerberos v5

4 – KRB5P - Kerberos v5

Default: “0”

Max Data Size

Specifies the maximum storage space in megabytes.

Example: “4000”

Read Only

Indicates whether all hosts get read-only permissions on NFS exports. Available values are “true” and “ false”.

Default: “false”

Dry Run Mode

Specifies whether to perform a test of provisioning. Available values are:

0 – None (performs the provision without performing Dry Run)

1 – Dry Run Only (pseudo provisioning (failure prediction) that verifies the specified parameters)

2 – Provision with Dry Run (performs pseudo provisioning and provisioning)

Default: "0"

Time Zone

(Optional) Specifies a time zone for the dataset.

Example: "GMT-5"

Contact

(Optional) Specifies email addresses for contact information. Separate multiple email addresses with commas.

Example: user1@company.com, user2@company.com

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: "host01.domain.com"

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: "user01"

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: "password01"

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: "8088"

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Storage Provision SCSI

Provision a new SCSI dataset.

Component

spm

Dataset Name

Specifies the name of the dataset.

Example: “mydataset-01”

Storage Size in MB

Specifies the size of storage to create in megabytes.

Example: “5000”

Storage Description

(Optional) Specifies a text description for the dataset.

Example: “This is my dataset.”

Storage Owner

(Optional) Specifies the owner of the dataset.

Example: “OwnerName”

Storage Provisioning Policy

Specifies the NetApp Policy to use during creation of the dataset.

Example: “NAS_policy”

Storage Resource Pool

Specifies the resource pool to use for the dataset.

Example: “lodnetapp10z”

Storage Resource ID

(Optional) Specifies the resource pool ID.

Example: “1234”

Storage Group

(Optional) Specifies a name used to group the provisioned storage.

Example: “group01”

Storage Container

(Optional) Specifies the name of the storage container to which to add the dataset.

Example: “stor_container01”

vFiler Name

(Optional) Specifies the name of the vFiler.

Example: “lodnetapp40”

vFiler IP Address

(Optional) Specifies the IP address of the vFiler.

Example: “123.456.7.89”

vFiler Network Mask

(Optional) Specifies the network mask of the vFiler.

Example: “23”

Initiator Host

Specifies the host that owns the initiator.

Example: “somehost.ca.com”

Initiator ID

Specifies an initiator ID on a host to which to map a LUN.

Example: "iqn.01.com.vmware:host01"

Initiator Host Type

Specifies the operating system type of the initiator host. Available values are:

0 – VMWARE

1 – AIX

2 – HP-UX

3 – Linux

4 – Solaris

5 – Netware

6 – Windows

7 – Windows_2008

8 – Windows_GPT

Default: “0”

Initial Snapshot Size

Specifies the initial size of the snapshot in megabytes.

Default: "0"

Maximum Snapshot Size

Specifies the maximum size of the snapshot in megabytes.

Default: "0"

Dry Run Mode

Specifies whether to perform a test of provisioning. Available values are:

0 – None (performs the provision without performing Dry Run)

1 – Dry Run Only (pseudo provisioning (failure prediction) that verifies the specified parameters)

2 – Provision with Dry Run (performs pseudo provisioning and provisioning)

Default: “0”

Time Zone

(Optional) Specifies a time zone for the dataset.

Example: “GMT-5”

Contact

(Optional) Specifies email addresses for contact information. Separate multiple email addresses with commas.

Example: user1@company.com, user2@company.com

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: “host01.domain.com”

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Storage Remove Datastore

Removes an existing datastore.

Component

vc

vCenter Name

Specifies the fully qualified domain name (FQDN) of the VMware vCenter server.

Example: “vpm-vc01.domain.com”

ESX Name

Specifies the fully qualified domain name (FQDN) of the ESX Server.

Example: “esxhost.com”

Datastore Index

(Optional) Specifies the name of the datastore index.

Example: “datastore-0001”

To obtain the datastore index:

1. Navigate to Start -> Programs -> CA -> CA Server Automation - > CA Server Automation Command Prompt.
2. Enter the following command:

   ```
   C:\CA\productname\bin>caaipaomwsclient /enumerate=CA_Datastore
   /queryFilter="Select * from CA_Datastore where ElementName='datastore'"
   /user=user /password=password
   ```

   Replace *datastore* with the name of the datastore, replace *user* and *password* with credentials for a CA Server Automation authorized user.
3. Use the value returned by 'Index' as the datastore index.

Storage Rescan Host HBA

Rescans all host HBAs or a specific host HBA.

Component

vc

vCenter Name

Specifies the fully qualified domain name (FQDN) of the VMware vCenter server.

Example: “vpm-vc01.domain.com”

ESX Name

Specifies the fully qualified domain name (FQDN) of the ESX Server.

Example: “esxhost.com”

Device HBA Name

(Optional) Specifies the device HBA (Host Bus Adapter) name.

Example: “devicehba01”

Storage Resize

Resizes an existing dataset.

Component

spm

Dataset Name

Specifies the name of the dataset.

Example: “mydataset-01”

New Size

Specifies the new size of the dataset.

Example: “15000”

Maximum Capacity

Specifies the new maximum capacity value for a flexible volume.

Example: ”2000”

Snapshot Reserve Percentage

Specifies the percentage of volume space reserved for snapshot copies.

Default: “0%”

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: “host01.domain.com”

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Storage vFiler Active

Activates the vFiler.

Note: Set up the Disaster Recovery vFiler before running this command.

Component

spm

Destination Filer

Specifies a storage host for vFiler and Lun.

Example: “destfiler”

Source Filer

Specifies the original storage host containing vFiler and Lun.

Example: “sourcefiler01”

vFiler Name

Specifies the name of the vFiler.

Example: “somevfiler”

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: “host01.domain.com”

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Storage vFiler Resync

Resyncs the vFiler.

Note: Set up the Disaster Recovery vFiler before running this command.

Component

spm

Source Filer

Specifies the original storage host containing vFiler and Lun.

Example: “sourcefiler01”

Destination Filer

Specifies a storage host for vFiler and Lun.

Example: “destfiler”

vFiler Name

Specifies the name of the vFiler.

Example: “somevfiler”

vFiler VLAN

Specifies the virtual LAN ID of the vFiler.

Example: “e0b”

Remote Filer User

Specifies a user name to log in to the remote storage host.

Example: “someuser”

Remote Filer Password

Specifies the password for the user name.

Example: “password01”

Synchronous

Indicates whether to perform a synchronous Snapmirror transfer (Snapmirror must be licensed). Available values are "true" or "false".

Default: “false”

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: “host01.domain.com”

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: "0"

Storage Platform Type

Specifies the storage platform type. The only possible value is "1" (NetApp).

Default: "1"

Storage vFiler Status

Gets the status of the resync vFiler action.

Note: Set up the Disaster Recovery Lun and vFiler before running this command.

Component

spm

Source Filer

Specifies the original storage host containing vFiler and Lun.

Example: "sourcefiler01"

Destination Filer

Specifies a storage host for vFiler and Lun.

Example: "destfiler"

vFiler Name

Specifies the name of the vFiler.

Example: "somevfiler"

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: "host01.domain.com"

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: "user01"

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Storage vFiler Stop

Stops a vFiler.

Note: Set up the Disaster Recovery Lun and vFiler before running this command.

Component

spm

Source Filer

Specifies the original storage host containing vFiler and Lun.

Example: “sourcefiler01”

vFiler Name

Specifies the name of the vFiler.

Example: “somevfiler”

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: “host01.domain.com”

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Storage vLan Interface

Sets the network interface for vLan.

Note: Set up the Disaster Recovery Lun and vFiler before running this command.

Component

spm

Source Filer

Specifies the original storage host containing vFiler and Lun.

Example: “sourcefiler01”

vFiler VLAN

Specifies the virtual LAN ID of the vFiler.

Example: “e0b”

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: “host01.domain.com”

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Storage Volume Offline

Takes the volume offline.

Note: Set up the Disaster Recovery Lun and vFiler before running this command.

Component

spm

Source Volume

Specifies the volume or Lun.

Example: “uservol1”

Source Filer

Specifies the original storage host containing vFiler and Lun.

Example: “sourcefiler01”

vFiler Name

Specifies the name of the vFiler.

Example: “somevfiler”

NetApp Server Name

(Optional) Specifies the name of the NetApp DataFabric Manager.

Example: “host01.domain.com”

NetApp Server Username

(Optional) Specifies the name of the user authorized to connect to the NetApp DataFabric Manager.

Example: “user01”

NetApp Server User Password

(Optional) Specifies the password for the user authorized to connect to the NetApp DataFabric Manager.

Example: “password01”

NetApp Server Port

(Optional) Specifies the port number the NetApp DataFabric Manager uses.

Example: “8088”

NetApp Server Protocol

(Optional) Specifies the protocol used to access the NetApp DataFabric Manager. Available values are:

0 – HTTP

1 – HTTPS

Default: “0”

Storage Platform Type

Specifies the storage platform type. The only possible value is “1” (NetApp).

Default: “1”

Chapter 16: VMware Connectors

A complete list of Platform Support VMware connectors follows.

This section contains the following topics:

Get Machine Status VC

Gets the status of a vCenter machine.

Component

img

Data Center Name

Specifies the name of the data center located in the VC server.

Example: “North-2/CA Server Automation”

Virtual Machine Name

Specifies the fully qualified name of the target VM.

Example: “localhost.anycompany.com”

VC Server

Specifies the Virtual Center server.

Example: “server.mycompany.com”

Get VC Image List

Gets a list of available vCenter machines.

Component

img

No parameters are required.

Get VM Properties

Gets VMware VM properties.

Component

vc

Data Center Name

Specifies the name of the data center where the server is located.

Example: “DC Datacenter”

VC Server

Specifies the fully qualified name for the computer where the Virtual Center Server is located.

Example: “localhostVC.anycompany.com”

Power Off VC

Turns off a vCenter system.

Component

img

Data Center Name

Specifies the name of the data center where the server is located.

Example: “DC Datacenter”

Virtual Machine Name

Specifies the fully qualified name of the target VM.

Example: “localhost.anycompany.com”

VC Server

Specifies the fully qualified name for the computer where the Virtual Center Server is located.

Example: “localhostVC.anycompany.com”

Power On VC

Starts a vCenter system.

Component

img

Data Center Name

Specifies the name of the data center where the server is located.

Example: “DC Datacenter”

Virtual Machine Name

Specifies the fully qualified name of the target VM.

Example: “localhost.anycompany.com”

VC Server

Specifies the fully qualified name for the computer where the Virtual Center Server is located.

Example: “localhostVC.anycompany.com”

Provision VC Image

Creates a vCenter image.

Component

img

VC Server

Specifies the name of the VC center.

VC Datacenter Name

Specifies the name of the data center where this host is located.

Example: “DC Datacenter”

VC Compute Resource

Specifies the fully qualified name of the server where this compute resource is located.

Example: “server1.anycompany.com”

VC ESX Server

Specifies the fully qualified name of the server where the ESX server is installed.

Example: “localhost.anycompany.com”

VC Datastore

Specifies the data store name that corresponds to the data center.

Example: "storage1 (2)"

VC Target Location

Specifies the resource pool name to use.

Example: “Resources/DcrmPool_test”

Clone Name

Specifies the name of the new machine to provision.

Example: “LocalhostTest”

Clone VM User Name

Specifies the name of the new machine to provision.

Example: "LocalhostTest"

Clone VM Username Password

Specifies the corresponding password.

VC Virtual Machine

Specifies a VM machine to use instead of a template for provisioning.

VC Template Name

Specifies the template to use for provisioning.

Example: “DCRMFolder/Base”

VC Specification

Specifies a valid specification name for the template to use. Consult the VC server or CA Server Automation for valid values.

Scalability Server

(Optional) Specifies the fully qualified name of the scalability server.

Example: "remotehost.anycompany.com"

Auto Deploy Agents

(Optional) Indicates whether to deploy agents after provisioning.

Example: “No”

Provision VM Image Linux

Creates a vCenter image on Linux.

Component

img

VC Server

Specifies the name of the VC center.

VC Data Center

Specifies the name of the data center where this host is located.

Example: “DC Datacenter”

VC Compute Resource

Specifies the fully qualified name of the server where this compute resource is located.

Example: “server1.anycompany.com”

VC ESX Host Server

Specifies the fully qualified name of the server where the ESX server is installed.

Example: “localhost.anycompany.com”

VC Datastore Name

Specifies the data store name that corresponds to the data center.

Example: “storage1 (2)”

VC Target Location

Specifies the resource pool name to use.

Example: “Resources/DcrmPool_test”

Hostname/VM Name

Specifies the name of the new host to provision.

Example: “LocalhostTest”

VC User Name

Specifies the administrator name for the new host.

Example: “administrator”

VC User Password

Specifies the password for the user name.

Example: “password”

VC Virtual Machine

(Optional) Specifies a VM machine to use instead of a template for provisioning.

VC Template Name

Specifies the template to use for provisioning.

Example: “DCRMFolder/Base”

VC Specification Name

Specifies a name for the template to use. Consult the VC server or CA Server Automation for valid values.

Example: “VolumeSPEC”

VM OS Type

Specifies the default operating system type to use for template creation.

Example: “Linux”

Memory Size (MB)

Specifies the amount of allocated virtual memory for the new VM image. This value is defined in megabytes, for example, 1024MB = 1GB.

Virtual Processors (1,2,4)

Specifies the number of virtual CPUs to allocate to the new VM image. Valid values are 1, 2, or 4.

Additional Disk 1 Size (MB)

Specifies the default size of the virtual hard disk for the VM image. This value is in megabytes, for example for 10GB, enter 10240.

Additional Disk 1 Datastore

Specifies the name of the VMware datastore to use to create the virtual disk for the new image. Use the same datastore where the VM image is going to be created.

Additional Disk 1 SCSI Controller

Specifies the SCSI controller key to use to create the virtual disk for the new VM image.

NIC IP Address

Specifies the network IP address (v4) for the new system.

NIC Default Gateway

Specifies the default gateway for the new VM image.

NIC Alt Gateway

(Optional) Specifies the IP address of the alternate gateway.

NIC Subnet

Specifies the default network subnet mask to use.

Example: "255.255.255.0"

Network Connection

Specifies the name of the network interface.

Primary DNS Server

Specifies the global primary DNS entry.

Secondary DNS Server

(Optional) Specifies the global secondary DNS entry.

Tertiary DNS Server

(Optional) Specifies the third global DNS entry.

DNS Search Suffix

(Optional) Specifies the global DNS search suffix.

Global Domain Name

(Optional) Specifies the global domain name.

SD Scalability Server

(Optional) Specifies the software delivery scalability server to use.

Template Name

(Optional) Specifies the software delivery template to use.

Auto Deploy Agents

(Optional) Indicates whether to deploy agents after provisioning.

Example: “No”

Deploy SD Agents

(Optional) Indicates whether to deploy Software Delivery agents automatically.

Default: “No”

Provision VM Image Windows

Creates a vCenter image on Windows.

Component

img

Imaging Server Type

Specifies the type of provisioning desired. Always use “VC".

VC Server

Specifies the name of the VC center.

VC Data Center

Specifies the name of the data center where this host is located.

Example: “DC Datacenter”

VC Compute Resource

Specifies the fully qualified name of the server where this compute resource is located.

Example: “server1.anycompany.com”

VC ESX Host Server

(Optional) Specifies the fully qualified name of the server where the ESX server is installed.

Example: “localhost.anycompany.com”

VC Datastore Name

Specifies the data store name that corresponds to the data center.

Example: “storage1 (2)”

VC Target Location

Specifies the resource pool name to use.

Example: “Resources/DcrmPool_test”

Hostname/VM Name

Specifies the name of the new host to provision.

Example: “LocalhostTest”

VC User Name

Specifies the administrator name for the new host.

Example: “administrator”

VC User Password

Specifies the password for the user name.

Example: “password”

VC Virtual Machine

(Optional) Specifies a VM machine to use instead of a template for provisioning.

VC Template Name

Specifies the template to use for provisioning.

Example: “DCRMFolder/Base”

VC Specification Name

Specifies a name for the template to use. Consult the VC server or CA Server Automation for valid values.

Example: “VolumeSPEC”

VM OS Type

Specifies the default operating system type to use for template creation.

Example: "Windows"

Memory Size (MB)

Specifies the amount of allocated virtual memory for the new VM image. This value is defined in megabytes, for example, 1024MB = 1GB.

Virtual Processors (1,2,4)

Specifies the number of virtual CPUs to allocate to the new VM image. Valid values are 1, 2, or 4.

Additional Disk 1 Size (MB)

Specifies the default size of the virtual hard disk for the VM image. This value is in megabytes, for example for 10GB, enter 10240.

Additional Disk 1 Datastore

Specifies the name of the VMware datastore to use to create the virtual disk for the new image. Use the same datastore where the VM image is going to be created.

Additional Disk 1 SCSI Controller

Specifies the SCSI controller key to use to create the virtual disk for the new VM image.

NIC IP Address

Specifies the network IP address (v4) for the new system.

NIC Default Gateway

Specifies the default gateway for the new VM image.

NIC Alt Gateway

(Optional) Specifies the IP address of the alternate gateway.

NIC Subnet

Specifies the default network subnet mask to use.

Example: "255.255.255.0"

Network Connection

Specifies the name of the network interface.

DNS Server

Specifies the preferred DNS entry.

Alt. DNS

(Optional) Specifies an alternate DNS entry.

DNS Search Suffix

(Optional) Specifies the global DNS search suffix.

WINS Primary

(Optional) Specifies the primary WINS entry.

WINS Secondary

(Optional) Specifies the secondary WINS entry.

SD Scalability Server

(Optional) Specifies the software delivery scalability server to use.

Template Name

(Optional) Specifies the software delivery template to use.

Auto Deploy Agents

(Optional) Indicates whether to deploy agents after provisioning.

Example: “No”

Deploy SD Agents

(Optional) Indicates whether to deploy Software Delivery agents automatically.

Default: “No”

Shutdown VC Image

Shuts down a Virtual Center image.

Component

img

Data Center Name

Specifies the name of the data center where the server is located.

Example: “DC Datacenter”

Virtual Machine Name

Specifies the fully qualified name of the target VM.

Example: “localhost.anycompany.com”

VC Server

Specifies the fully qualified name for the computer where the Virtual Center Server is located.

Example: “localhostVC.anycompany.com”

Validate VC Imaging Server

Validates the VC imaging server.

Component

img

Target Username

Specifies the user to log in to the server.

Example: “administrator”

Target Username Password

Specifies the password for the target user name.

Example: “Password”

Image Host

Specifies the fully qualified name for the server.

Example: “localhost.ca.com”

Image Host Port

Specifies the assigned port.

Example: “4443”

Protocol

Specifies the protocol used.

Example: “HTTPS”

Proxy Port

Specifies the port used for the proxy.

Example: “48008”

VC Add Virtual NIC

Adds an additional virtual NIC to a VMware VM.

Component

vc

VMware Virtual Center Name

Specifies the name of the Virtual Center server where the VM is located.

Example: "vmwareVC"

VMware VM Name

Specifies the name of the VM to update.

Example: "vmware vm"

VMware Network Device Type

Specifies the VMware network device type to add.

Example: "E1000"

VMware Network

Specifies the VMware network to add the new NIC to.

Example: "VMNetwork"

VC Add VM Disk

Adds an additional disk to a VMware VM.

Component

vc

VMware VC Name

Specifies the name of the Virtual Center server where the VM is located.

Example: "vmwareVC"

VMware VM Name

Specifies the name of the VM to update.

Example: "vmware vm"

VMware Datastore Name

Specifies the name of the datastore where the VM resides.

Example: "storage1 (1)"

Disk Size

Specifies the size of the disk to add in megabytes.

Example: "150"

Thin Provisioning

Indicates whether to provision as a thin disk.

Default: "false"

VC Job Status

The VC Job Status connector is superseded by the Imaging Job Status (see page 21) connector.

VC Remove Virtual NIC

Removes a virtual NIC from a VMware VM.

Component

vc

VMware Virtual Center Name

Specifies the name of the Virtual Center server where the VM is located.

Example: "vmwareVC"

VMware VM Name

Specifies the name of the VM to update.

Example: "vmware vm"

VMware Virtual NIC Key

Specifies the key of the VMware virtual NIC to remove.

Example: "4001"

VC Update VM CPU

Updates the vCPUs in a VMware VM.

Component

vc

VMware Datacenter Name

Specifies the data center name where the VM resides.

Example: "vmware datacenter"

VMware ESX Hostname

Specifies the ESX hostname where the VM resides.

Example: "esxhost.company.com"

VMware VM Name

Specifies the name of the VM to update.

Example: "vmware vm"

CPU Value

Specifies the number of CPUs to use. Available values are 1, 2, 4, or 8.

Example: "1"

VC Update VM Memory

Updates the memory in a VMware VM.

Component

vc

VMware Datacenter Name

Specifies the data center name where the VM resides.

Example: "vmware datacenter"

VMware ESX Hostname

Specifies the ESX hostname where the VM resides.

Example: "esxhost.company.com"

VMware VM Name

Specifies the name of the VM to update.

Example: "vmware vm"

CPU Value

Specifies the number of CPUs to use. Available values are 1, 2, 4, or 8.

Example: "1"

Chapter 17: CA Process Automation Use Cases

Use cases are internal names assigned to the processes that perform automation steps based on CA Process Automation operators, methods, and custom operators (CA Server Automation connectors).

The CA Server Automation installation media provides use cases for the CA Process Automation integration. The names of the use case processes, the CA Server Automation connectors called by the use cases, and additional comments are described.

This section contains the following topics:

LoginInfoProc Process

CA Server Automation Connectors Called

- Query Service Controller
- Create Event
- Create Ticket

Comments

This use case creates the indications and/or help desk tickets required by the other use cases that call this use case.

This process takes the following connect parameters:

T_SVC_URL__

T_VC_EVENT_COMPONENT__

T_VC_EVENT_TIMESTAMP__

T_VC_EVENT_MESSAGE__

T_TICKET_TYPE_OF_REQUEST__

T_TICKET_ENTITY__

T_TICKET_DESCRIPTION__

T_TICKET_SUMMARY__

T_TICKET_USER__

ConfigurationAudit Process

CA Server Automation Connectors Called

- Query Service Controller
- Get All Cohesion Snapshots
- Create Event
- Create Ticket
- Run Discovery Profile
- Get Current Activity
- Performance Change Detection

Comments

This use case detects whether a particular server is in compliance with its baseline standard.

This process takes the following connect parameters:

T_SVC_URL__

T_SVC_USER__

T_SVC_PASSWORD__

T_SYSTEM_NAME__

T_SNAPSHOT_TYPE__

CyberMonday Process

CA Server Automation Connectors Called

- Query Service Controller
- Get Service List
- Run Process
- Get Service Machine List
- Power On VC System
- Get Machine Status VC
- Remove Machine From Service
- Add Machine to Service

Comments

This use case brings online a VM system from a source CA Server Automation service to a target CA Server Automation service.

This process takes the following connect parameters:

T_SVC_URL__

T_SVC_USER__

T_SVC_PASSWORD__

T_SVC_STANDBY_SERVICE__

T_SVC_SERVICE_TO__

T_SVC_VC_SERVER__

T_SVC_DATACENTER_NAME__

T_SVC_VM_MACHINE__

CyberMondayPowerDown Process

CA Server Automation Connectors Called

- Query Service Controller
- Get Service List
- Run Process
- Get Service Machine List
- Remove Machine From Service
- Add Machine to Service
- Get Machine Status
- Create Event

Comments

This use case moves a VM system from a CA Server Automation service back to the service that lent the system during the CyberMonday use case. After the VM system has been returned, the system is powered down.

This process takes the following connect parameters:

T_SVC_URL__

T_SVC_USER__

T_SVC_PASSWORD__

T_SVC_STANDBY_SERVICE__

T_SVC_DATACENTER_NAME__

T_SVC_VM_MACHINE__

T_SVC_SERVICE_TO__

T_SVC_VC_SERVER__

AlmostGoldByService Process

CA Server Automation Connectors Called

- Query Service Controller
- Get Service Machine List
- Almost Gold Black And White -- In detached mode

Comments

This use case lists the systems in a CA Server Automation service. After this list is created, the AlmostGoldBlackAndWhite use case is called to determine if all the required components are present.

This process takes the following connect parameters:

T_SVC_URL__

T_SVC_USER__

T_SVC_PASSWORD__

T_SVC_SERVICE__

T_SVC_COREFILE__

T_SVC_UNACCEP_FILE__

AlmostGoldBlackAndWhite Process

CA Server Automation Connectors Called

- Query Service Controller
- Get All Components
- Start Script
- Create Event
- Create Ticket

Comments

This use case determines if a particular server contains all required components and has no invalid applications.

For this use case, you must create the following files:

- newcore2.lst
- unacceptablecomponents.lst

newcore2.lst

```
#-------------------------------------------------------------------------
#            Black-list Components (BL)
#
#      These components MUST exist on the target server
#       and are version-specific
#  CC -- represents the core components
#  component name
#  version number
#-------------------------------------------------------------------------
CC:Windows:5.2
CC:Java Web Application:2.4
CC:Java Web Application:2.4
CC:Java Web Application:2.3
```

unacceptablecomponents.list

```
#-------------------------------------------------------------------------
#            Black-list Components (BL)
#
#      These components MUST exist on the target server
#       and are version-specific
#  BL -- represents the black list components
#  component name
#  version number
#-------------------------------------------------------------------------
BL:VMware Server:2.*
#BL:CA Threat Manager:*.*
BL:winamp:*
BL:JRE 1.2 or 1.3 (Windows):1.3.1_02
#BL:Log4J:1.2.8
```

Server Automation Disk Usage Process

CA Server Automation Connectors Called

- Query Service Controller
- Start Script (check disk space)
- Create Event
- Create Ticket

Comments

This use case determines the amount of available free disk space on the CA Server Automation server.

This process takes the following connect parameters:

T_SVC_URL__

T_SVC_USER__

T_SVC_PASSWORD__

T_SVC_TOUCHPOINT__

T_SVC_LAG__

T_SVC_INTERVAL__

T_MIN_DISK_SIZE__

T_MIN_PERCENT_DISK_SIZE__

T_SEC_DELAY__

Server Automation SQL Pct Free Process

CA Server Automation Connectors Called

- Query Service Controller
- Start Script (Check DB Space Free)
- Create Event

Comments

This use case verifies that the following databases have enough free space:

- AOM2
- DPM
- tempdb

This process takes the following connect parameters:

T_SVC_URL__

T_SVC_USER__

T_SVC_PASSWORD__

T_SEC_DELAY__

T_DB_SERVER__

T_DB_USER__

T_DB_PASSWORD__

T_DB_PORT__

T_DB_MIN_PCT_FREE__

SSRM VM Reservation Process

CA Server Automation Connectors Called

- Query Service Controller
- SSRM Get Resrc Pool
- SSRM Get Data Software
- SSRM Get Data Templates
- SSRM Get System Requirements
- SSRM Check System Availability
- SSRM Create Reservation
- SSRM Get Res Status

Comments

This use case creates a CA Process Automation reservation with a VM-based template.

Users access this use case with the Reservation Manager start request form, which gathers all the available Reservation Manager resource pools, software groups, and VM templates.

After this information is gathered, users can see it in a form from which they can select the desired VM template and the date and time to use for the reservation.

This process takes the following connect parameters:

T_SVC_URL__

T_SVC_USER__

T_SVC_PASSWORD__

T_SSRM_USERNAME__

T_SSRM_ORGUNIT__

Storage Provision VM Image Process

CA Server Automation Connectors Called

- Query Service Controller
- Storage Provision NFS
- Storage Create NAS Datastore
- Provision VC Image
- VC Job Status
- Publish Indication

Comments

This use case adds additional storage to a vCenter server, and provisions a new VM with the additional storage assigned. Storage is provisioned on NetApp using NFS export. A VMware datastore is then created using the new NFS storage. A VM is then created on the new storage.

The use case can start from the Start Form 'Storage Provision VMware Image'.

This process takes the following connect parameters:

T_SVC_URL__

T_SVC_USER__

T_SVC_PASSWORD__

T_STORAGE_VCENTER__

T_STORAGE_ESX__

T_STORAGE_DATASET__

T_STORAGE_DATASET_SIZE__

T_STORAGE_POLICY__

T_STORAGE_RES_POOL__

T_DATACENTER_NAME__ T_COMPUTE_RESOURCE_NAME__

T_STORAGE_TARGET_LOC__

T_CLONE_NAME__

T_TARGET_USERNAME__

T_TARGET_PASSWORD__

T_VM_NAME_CLONE_FROM__ (mutually exclusive with T_VC_TEMPLATE__)

T_VC_TEMPLATE__ (mutually exclusive with T_VM_NAME_CLONE_FROM__)

T_VC_SPECIFICATION__ (Optional)

T_NETAPP_SERVER_NAME__ (Optional)

T_NETAPP_SERVER_USERNAME__ (Optional)

T_NETAPP_SERVER_PASSWORD__ (Optional)

T_NETAPP_SERVER_PROTOCOL__ (Optional)

T_NETAPP_SERVER_PORT__ (Optional)

T_VC_DATASTORE_PAUSE__

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