

CA IT Process Automation Manager™

CA IT Client Manager Connector Guide

r1



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Chapter 1: Overview

The CA IT Client Manager Connector (CA ITCM) integrates CA IT Client Manager with CA IT Process Automation Manager (CA IT PAM) to automate the tasks associated with the administration of the various devices within your IT department, and offer a complete management of all IT client resources.

The CA IT Client Manager Module supports CA IT Client Manager r11.2 SP4 and r12.0 SP1. CA IT PAM r2.2 and CA IT PAM r2.1SP3 CP02 support the CA IT Client Manager Module.

This section contains the following topics:

[Intended Audiences](#) (see page 11)

[Terminology](#) (see page 12)

Intended Audiences

The *CA IT Client Manager Connector Guide* is intended for these primary audiences:

- Administrators who install or maintain the CA IT Client Manager Connector or a CA IT Process Automation Manager (CA IT PAM) instance.
- Administrators, Developers, and Designers of CA IT PAM Processes who want their Processes to interact with CA IT Client Manager.

If you are a CA IT PAM Administrator or a CA IT Client Manager Administrator, this guide assumes that you have read and you understand the content described in both the *CA IT Process Automation Manager Administration Guide* and the *CA IT Client Manager Administration Guide*.

- If you are a CA IT PAM Process Developer, Designer, or Administrator, this guide assumes that you have read and you understand these concepts and associated procedures:
 - How to create and run CA IT PAM Processes (as described in the *CA IT Process Automation Manager User Guide*).
 - How to create Process and Named Datasets (as described in the *CA IT Process Automation Manager User Guide*).
 - How to use the SOAP Client Call and XML Extraction Operators of the SOAP Module (as described in the *CA IT Process Automation Manager Reference Guide*).

For more information on CA IT Client Manager (CA ITCM), refer to the product documentation.

Terminology

Connector

A module that integrates with software external to CA IT PAM.

Module

A set of functionally related Operators sharing a common configuration.

Operator

A software element that implements an action and is one of the building blocks of a CA IT PAM Process.

Chapter 2: Installing the CA IT Client Manager Module

This section contains the following topics:

[Prerequisites](#) (see page 13)

[Installation](#) (see page 13)

[CA IT Client Manager Default Module Settings](#) (see page 15)

Prerequisites

The ITCM Web Service is not installed with the custom installation; it must be installed for the target CA IT Client Manager instance.

Installation

The CA IT Client Manager Connector software has a standalone installer. There are two versions of the installer provided:

- `IT_PAM_connector_installer_CA_ITCM_1_0.exe` for installing on a Primary Domain Orchestrator running on Windows
- `IT_PAM_connector_installer_CA_ITCM_1_0.sh` for installing on a Primary Domain Orchestrator running on Linux and UNIX

Before installing the CA IT Client Manager Connector software, you must first shut down the Primary Domain Orchestrator.

- In a cluster configuration, the first Orchestrator installed is the Primary Orchestrator, and this can be confirmed by seeing that `oasis.server.isPrimary=true` is set in the `OasisConfig.properties` file found in `<itpam_root_directory>\server\c2o\config`, where `<itpam_root_directory>` is the directory where CA IT PAM was installed.
- In a non-clustered configuration, the sole Domain Orchestrator is the Primary Domain Orchestrator.

Install the Connector

1. Log onto the machine and account used to install the CA IT PAM Primary Domain Orchestrator.
2. Run the appropriate version of the installer for your operating system. For Linux and UNIX systems, run the installer as follows to ensure that it is run under the Bourne shell, and to avoid the need to use chmod to set this file as an executable.

```
sh IT_PAM_connector_installer_CA_ITCM_1_0.sh
```

3. When the Welcome screen displays, click Next to proceed or click Cancel to exit the installation.

The Licensing terms for this Connector display.

4. If you choose to accept the licensing terms, select "I accept the agreement", and click Next to proceed; otherwise click Cancel to terminate the installation.
5. Specify the directory where the CA IT PAM Primary Domain Orchestrator was installed (if it differs from the default value) by entering the complete path to the directory, or by clicking Browse and locating the directory.
6. Click Next.

The installer will verify that the Primary Domain Orchestrator is down. It will deploy the components of the new module to the Primary Domain Orchestrator (this may take a few minutes).

7. Click Finish to complete the installation.
8. Restart the Primary Domain Orchestrator.

The installation.log file is located here:

```
<itpam_root_directory>\server\c2o\.install4j where  
<itpam_root_directory> is the folder specified in Step 5.
```

The newly installed module will not be available immediately on any secondary Orchestrators, but all components will be mirrored within the time specified by the mirroring interval for the secondary Orchestrator.

9. After all components have been mirrored, you must stop and restart each Orchestrator and Agent to make the new module available for use.

Important! If you installed the Connector software in an existing CA IT PAM r2.1 environment, you must use the Configuration Browser to enable the newly installed module in each environment, on each Orchestrator, and on each Agent where the new module and its Operators will be used.

CA IT Client Manager Default Module Settings

You can set the following default properties for the CA IT Client Manager Module in the Configuration Browser.

Maximum result length

Specifies the maximum size (in bytes) of XML values received and stored in CA IT PAM datasets.

Results exceeding the maximum length are truncated. The default is 1048576.

Default ITCM WebService URL

Specifies the default web service URL.

Note: This field is mandatory and should be provided at the module level or Operator level for each Operator.

Default ITCM User

Specifies the default user name. The format is as follows:

- For Windows, use `winnnt:\\<hostname>\<username>`
- For UNIX, use `unix!://<hostname>/<username>`

Default User's Password

Specifies the user password.

Default Host Name

Specifies the host name of CA IT Client Manager.

To specify default module properties

1. In the CA IT PAM Client, select File, Open Configuration Browser (if it is not already open).
2. On the left side of the window, right-click the desired component, and select Lock:
 - Domain (Browser palette)
 - Environment (Browser palette)
 - Orchestrator (Orchestrators palette)
 - Agent (Agents palette)
3. Click the Modules tab in the right pane of the window.
4. Double-click the CA IT Client Manager Module to display the Properties tab for this module.
5. Specify the appropriate default settings for this module.
6. Click Apply.
7. Click the Save toolbar button.
8. Right-click the component you locked in Step 2 and select Unlock to unlock the component.

The CA IT Client Manager Module Operators will use the default properties unless you specify Operator-specific properties for each Operator.

Chapter 3: Using the CA IT Client Manager Module

This chapter contains information about all of the Operators for the CA IT Client Manager Module.

ITCM Login Operator

The Login Operator authenticates and obtains authorization from CA IT Client Manager.



Operator Input Parameters

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if it has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect (required).

Operator Outputs

Operator Results

LoginReturn

Indicates the unique session ID to use as an input parameter for all further calls to the web services exposed by CA IT Client Manager.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

ITCM Logout Operator

The Logout Operator closes the web service connection to the CA IT Client Manager, closes the web service session, and performs cleanup operations.



Operator Input Parameters

CA IT Client Manager Server Logout

ITCM Session ID

Specifies the session ID that identifies the web service session to perform close and clean up operations (required).

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Operator Outputs

Operator Results

None.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Find Computer Operator

The Find Computer Operator finds a computer unit when you provide its name.



Operator Input Parameters

Find Computer

Computer Name

Specifies the computer name to search for (required). The value may contain wildcard characters such as "*".

Number Of Computers

Specifies the number of computers (if more than one match is found) to return from the search.

Computer Properties Required

Specifies the list of parameters that can be used to search for a computer. If the value specified in Number Of Computers is greater than 0, this field is mandatory.

If no properties are selected, a fault/exception displays. The following properties are required when retrieving a computer's properties:

Computer UUID

Specifies the computer UUID.

Computer Label

Specifies the computer name.

Computer DomainUUID

Specifies the UUID of the CA IT Client Manager domain for a given computer.

Computer Primary Network Address

Specifies the IP address of the given computer in 0.0.0.0 format.

Computer HostUUID

Specifies an agent-generated UUID that identifies the computer.

Computer AssetSourceUUID

Specifies the UUID of the common CA asset to which this computer is linked.

Computer Host Name

Specifies the computer hostname.

Computer SerialNumber

Specifies the computer serial number.

Computer DiscSerialNumber

Specifies the serial number of a computer disc.

Computer Primary MACAddress

Specifies the MAC address of the computer. The string value can have a maximum length of 64 characters.

Computer AssetTag

Specifies a string value that identifies a computer asset.

Computer ClassID

(Optional) Specifies a numeric value that indicates class of the computer object, for example, Operating System.

Computer UsageList

Specifies the computer usage list mask.

Computer URI

Specifies the fully qualified Uniform Resource Identifier (URI) of the computer.

Computer SystemID

Specifies a user-defined identifier for the computer system.

Computer VendorName

Specifies the vendor name of the computer unit.

Computer DomainLabel

Specifies the CA IT Client Manager domain name to which the computer unit belongs.

Computer CreationUser

Specifies the user account name that created the computer unit's record.

Computer CreationDate

Specifies the date and time of the computer unit's record creation.

Computer LastUpdatedUser

Specifies the user account name that last updated the computer properties.

Computer LastUpdatedDate

Specifies the date and time when the computer properties were last updated.

Computer VersionNumber

(Optional) Specifies the version number of the computer record. A version number is incremented each time a record is updated.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters**ITCM Session ID**

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs**Find Computer Operator Results****FindComputerReturn**

Indicates an array of computer property structures, one for each computer matched by a search. The array is either the size of the number of computers matched by a search, or of the number of computers requested by the Operator, whichever is lower.

totalNoOfComputersFound

Indicates the total number of computers that matched a search. You can use this field to indicate that more matches were found than the requested number of computers.

Operator Ports**Success**

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Find Software Job Operator

The Find Software Job Operator finds a software job when you provide the package name, package version, procedure name, and procedure task.



Operator Input Parameters

Find Software Job

Software Package Name

Specifies the software package name (required).

Software Package Version

Specifies the software package version (required).

Software Package Procedure Name

Specifies the installation procedure name for the software package (required).

Software Package Procedure Task

Specifies one of the following types of software packages to find:

- Install
- Uninstall
- Configure
- Activate

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

softwareJobId

Returns the UUID of the software job.

softwareJobContainerId

Returns the UUID of the software job container.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Find Software Package Operator

The Find Software Package Operator lets you find a software package given its name and version.



Operator Input Parameters

Find Software Package

Software Package Name

Defines the software package name to search for. The software package name is case insensitive (required).

Software Package Version

Defines the software package version to search for (required).

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: `winnnt:\\<hostname>\<username>`
- On UNIX: `unixl://<hostname >/<username>`

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

FindSoftwarePackageReturn

Returns the UUID of a software package.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Find Software Package Group Operator

The Find Software Package Group Operator finds a software package group given its name and parent software package group name.



Operator Input Parameters

Find Software Package Group

Parent Software Package Group Name

Defines the parent group name of a software package group to search for.

The parent software package group name is case insensitive.

If you do not specify the parent software package Group UUID, the Find Software Package Group Operator finds the software package group under the Software Package Group superfolder, for example: Software Library.

Software Package Group Name

Defines a software package group name to search for (required).

The software package group name is case insensitive.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:*hostname**username*
- On UNIX: unix://< *hostname* >/< *username* >

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

FindSoftwarePackageGroupReturn

Returns the UUID of a software package group.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Find Software Package Procedure Operator

The Find Software Package Procedure Operator finds a software package procedure given its name, task type, and the name and version of the software package with which it is associated.



Operator Input Parameters

Find Software Package Procedure

Software Package Name

Specifies the name of the software package to which the requested procedure should belong (required).

The software package name is case insensitive.

Software Package Version

Specifies the software package version to which the requested procedure belongs to (required).

Software Package Procedure Name

Specifies the software package procedure name (required).

The software package procedure name is case insensitive.

Software Package Procedure Task

Specifies one of the following software package procedure types to search for:

- Install
- Uninstall
- Configure
- Activate

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

FindSoftwarePackageProcedureReturn

Returns the UUID of a find software package procedure.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Find Software Package Procedure Group Operator

The Find Software Package Procedure Group Operator finds a software package procedure group given its name and parent software package procedure group name.



Operator Input Parameters

Find Software Package Procedure Group

Parent Software Package Procedure Group Name

Defines the name of the parent software package procedure group.

Note: The parent software package procedure name is case insensitive.

Software Package Procedure Group Name

Defines the name of the software package procedure group to search for (required).

Note: The software package procedure group name is case insensitive.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:*hostname**username*>
- On UNIX: unix://< *hostname* >/<*username*>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters**ITCM Session ID**

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

FindSoftwarePackageProcedureGroupReturn

Returns the UUID of a software package procedure group.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Get Computer Operator

The Get Computer Operator retrieves a computer identified by its UUID.



Operator Input Parameters

Get Computer

Computer ID

Specifies the UUID of the computer to retrieve (required).

Computer Properties Required

This parameter specifies the computer properties to retrieve (required).

Computer UUID

Specifies the computer UUID.

Computer Label

Specifies the computer name.

Computer DomainUUID

Specifies the UUID of CA IT Client Manager domain for a given computer.

Computer Primary Network Address

Specifies the IP address of the given computer in 0.0.0.0 format.

Computer HostUUID

Specifies an agent-generated UUID that identifies the given computer.

Computer AssetSourceUUID

Specifies the UUID of the common CA asset to which this computer is linked.

Computer Host Name

Specifies the computer hostname.

Computer SerialNumber

Specifies the computer serial number.

Computer DiscSerialNumber

Specifies the serial number of a computer disc.

Computer Primary MACAddress

Specifies the MAC address of the computer. The string value can have a maximum length of 64 characters.

Computer AssetTag

Specifies a string value that identifies a computer asset.

Computer ClassID

(Optional) Specifies a numeric value that indicates class of the computer object, for example, Operating System.

Computer UsageList

Specifies the computer usage list mask.

Computer URI

Specifies the fully qualified Uniform Resource Identifier (URI) of the computer.

Computer SystemID

Specifies a user-defined identifier for the computer system.

Computer VendorName

Specifies the vendor name of the computer unit.

Computer DomainLabel

Specifies the CA IT Client Manager domain name to which the computer unit belongs to.

Computer CreationUser

Specifies the user account name that created the computer unit's record.

Computer CreationDate

Specifies the date and time of the computer unit's record creation.

Computer LastUpdatedUser

Specifies the user account name that last updated the computer properties.

Computer LastUpdatedDate

Specifies the date and time when the computer properties were last updated.

Computer VersionNumber

Specifies the version number of the computer record. A version number is incremented each time a record is updated.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:*hostname**username*>
- On UNIX: unix://< *hostname* >/<*username*>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters**ITCM Session ID**

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

GetComputerReturn

Returns the computer properties.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Get Deployment Job Status Operator

The Get Deployment Job Status Operator retrieves the current deployment status from the DMDeploy manager referenced by the job identifier. The Operator returns the status of the scan or deployment at that time.



Operator Input Parameters

Get Deployment Job Status

Job ID

Defines a Job ID of the deployment or scan operation.

Computer Status Info Required

Specifies the deployment status information to retrieve for a job ID.

This field contains following flags:

Computer Name

Specifies the name of the computer.

Computer Type

Specifies the type of the computer (OS type).

Computer Description

Specifies the computer properties.

IP Address

Specifies the IP Address of the computer.

Computer Status Code

Specifies the status code returned during scan or deployment.

Computer Status Code Ex

Specifies the extended status code.

Computer Status Message

Specifies the Status message if any.

Primer Exists

Specifies the DmPrimer existence.

Credentials Necessary

Specifies the necessary credentials for the flag.

Note: Call this Operator repeatedly (generally with a time lapse) until the bNoNoreComputers flag is true to track and retrieve the deployment status.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

bNoMoreComputers

Returns a value of True or False.

True indicates that there is no status information to retrieve, or the required task is complete.

False specifies that the scan or deploy operation is still in progress and to call the method again to retrieve further status information.

arrayOfcomputerStatusInfo

Returns an array of ComputerStatusInfo structures that contains a snapshot of the scan or deployment status.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Get Deployment Packages

The Get Deployment Packages Operator retrieves deployment packages known to the DM Deployment Manager.

Note: The Get Deployment Packages Operator is not supported for CA IT Client Manager r11.



Operator Input Parameters

Get Deployment Packages

Get Deployment Packages Properties Required

Specifies the list of properties that can be retrieved for deployment packages (required).

This field contains the following flags:

Product Name

Defines the name of the product.

Package Name

Defines the name of the package.

Package Version

Defines the package version.

Product Display Name

Defines the product display name.

Package Display Name

Defines the package display name.

Package Version Extended

Defines the extended form of the package version.

Display Sort Order

Display the sort order.

Platform

Defines the platform of the package.

Language

Defines the package language.

Description

Defines the package description.

Windows Command

Defines the windows installation command.

Unix Command

Specifies the Unix installation command.

Operating System Type

Specifies the operating system type in hexadecimal format.

Operating System	Value
Aix	0x090000
Aix_3_2_Rs_6000	0x090101
Aix_4_1_Rs_6000	0x090201
Aix_4_2_Rs_6000	0x090202
Aix_4_3_Rs_6000	0x090203
Aix_5_0_Rs_6000	0x090301
Aix_5_1_Rs_6000	0x090302
Aix_5_2_Rs_6000	0x090303
Aix_5_3_Rs_6000	0x090304
Aix_5_4_Rs_6000	0x090305
Aix_5_5_Rs_6000	0x090306
Aix_5_6_Rs_6000	0x090307
Aix_5_7_Rs_6000	0x090308
Aix_5_8_Rs_6000	0x090309
Any	0x030000
Compaq_True64_5_X_Alpha	0x0d0401
Compaq_True64_Dec	0x0d0000
Dec_3_0_Alpha	0x0d0101
Dec_3_2_Alpha	0x0d0201
Dec_4_0_Alpha	0x0d0301

Operating System	Value
Dgux	0x0a0000
Dgux_4_1_Intel	0x0a0201
Dgux_4_1_Mc88	0x0a0101
Dgux_4_2_Intel	0x0a0301
Dos	0x010000
Drs_Nx_7_Sparc	0x160101
Drs_Nx_7mp_Sparc	0x160102
Drs_Nx_Sparc	0x160000
Dynix	0x120000
Dynix_4_2_X_Intel	0x120101
Dynix_4_4_X_Intel	0x120201
Hpux	0x070000
Hpux_10	0x070200
Hpux_10_700	0x070201
Hpux_10_800	0x070202
Hpux_11	0x070300
Hpux_11_700	0x070301
Hpux_11_800	0x070302
Hpux_11_ia64	0x070303
Hpux_11_iv2	0x070304
Hpux_12	0x070400
Hpux_12_700	0x070401
Hpux_12_800	0x070402
Hpux_12_ia64	0x070403
Hpux_12_iv2	0x070404
Hpux_9	0x070100
Hpux_9_700	0x070101
Hpux_9_800	0x070102
Irix	0x130000
Irix_6_2	0x130101

Operating System	Value
Irix_6_3	0x130301
Irix_6_4	0x130201
Irix_6_5	0x130401
Linux	0x170000
Linux_2_1_Intel	0x170101
Linux_2_2_Intel	0x170201
Linux_2_2_S_390	0x170202
Linux_2_3_Intel	0x170301
Linux_2_3_S_390	0x170302
Linux_2_4_Intel	0x170401
Linux_2_4_S_390	0x170402
Linux_2_5_Intel	0x170501
Linux_2_5_S_390	0x170502
Linux_2_6_Intel	0x170601
Linux_2_6_Intel_64	0x170603
Linux_2_6_S_390	0x170602
Macintosh	0x1b0000
Macintosh_10_0_Ppc	0x1b0101
Macintosh_10_1_Ppc	0x1b0201
Macintosh_10_2_Ppc	0x1b0301
Macintosh_10_3_Ppc	0x1b0401
Macintosh_10_4_Ppc	0x1b0501
Ncr_Sst	0x150000
Ncr_Sst_S4_Intel	0x150101
Ncr_Sst_S4i_Intel	0x150201
Ncr_Sv	0x0c0000
Ncr_Sv_2x_Intel	0x0c0101
Ncr_Sv_3x_Intel	0x0c0201
Netware	0x0b0000
Netware_3_Intel	0x0b0101

Operating System	Value
Netware_4_Intel	0x0b0201
Netware_5_Intel	0x0b0301
Netware_6_Intel	0x0b0401
Nokia_Adminsuite	0x1a0000
Nokia_Adminsuite_1_0	0x1a0001
Openvms	0x0e0000
Openvms_5_5_Vax	0x0e0101
Openvms_6_0_Alpha	0x0e0202
Openvms_6_0_Vax	0x0e0201
Openvms_6_1_Alpha	0x0e0302
Openvms_6_1_Vax	0x0e0301
Openvms_6_2_Alpha	0x0e0402
Openvms_6_2_Vax	0x0e0401
Openvms_7_0_Alpha	0x0e0502
Openvms_7_0_Vax	0x0e0501
Openvms_7_1_Alpha	0x0e0602
Openvms_7_1_Vax	0x0e0601
Openvms_7_2_Alpha	0x0e0702
Openvms_7_2_Vax	0x0e0701
Os2_16	0x000000
Os2_32	0x040000
Palm_Os	0x190000
Sco	0x0f0000
Sco_3_2_V5_Intel	0x0f0101
Sco_5_2_V5_Intel	0x0f0201
Sinix	0x100000
Sinix_5_42_R4000	0x100101
Sinix_5_43_R4000	0x100201
Sinix_5_44_R4000	0x100301
Sinix_5_45_R4000	0x100401

Operating System	Value
Solaris	0x080000
Solaris_10_Intel	0x080802
Solaris_10_Sparc	0x080801
Solaris_2_3_Sparc	0x080101
Solaris_2_4_Intel	0x080202
Solaris_2_4_Sparc	0x080201
Solaris_2_5_Intel	0x080302
Solaris_2_5_Sparc	0x080301
Solaris_2_6_Intel	0x080402
Solaris_2_6_Sparc	0x080401
Solaris_7_Intel	0x080502
Solaris_7_Sparc	0x080501
Solaris_8_Intel	0x080602
Solaris_8_Sparc	0x080601
Solaris_9_Intel	0x080702
Solaris_9_Sparc	0x080701
Sunos	0x110000
Sunos_4_1_4_Sparc	0x110101
Unix	0x060000
Unixware	0x140000
Unixware2_0_Intel	0x140101
Unixware2_1_Intel	0x140201
Unixware7_X_Intel	0x140301
Win_2000	0x050100
Win_2000_Intel	0x050101
Win_Ce	0x180000
Win_Ce_2_00_Mips	0x180101
Win_Ce_2_00_Sh3	0x180102
Win_Ce_2_01_Mips	0x180201
Win_Ce_2_01_Sh3	0x180202

Operating System	Value
Win_Ce_2_11_Arm	0x180301
Win_Ce_2_11_Mips	0x180302
Win_Ce_2_11_Sh3	0x180303
Win_Ce_2_11_Sh4	0x180304
Win_Ce_3_00_Arm	0x180401
Win_Ce_3_00_Mips	0x180402
Win_Ce_3_00_Ppc2002_Arm	0x180501
Win_Ce_3_00_Sh3	0x180403
Win_Ce_3_00_Sh4	0x180404
Win_Ce_4_20_Arm	0x180601
Win_Ce_5_00_Arm	0x180701
Win_Longhorn_Intel	0x050501
Win_Longhorn_Itanium	0x050502
Win_Longhorn_x64	0x050503
Win_Nt	0x050000
Win_Nt_Alpha	0x050002
Win_Nt_Intel	0x050001
Win_Nt_Mips	0x050003
Win_Server_2003	0x050300
Win_Server_2003_Intel	0x050301
Win_Server_2003_Itanium	0x050302
Win_Server_2003_x64	0x050303
Win_Vista_Intel	0x050401
Win_Vista_Itanium	0x050402
Win_Vista_x64	0x050403
Win_Xp	0x050200
Win_Xp_Intel	0x050201
Win_Xp_Itanium	0x050202
Win_Xp_x64	0x050203
Windows_16	0x020000

Operating System	Value
Windows_32	0x020100
Windows_95	0x020101
Windows_98	0x020102
Windows_Me	0x020103

MSI Product Code

Defines the MSI product code.

PIF Product Code

Defines the PIF product code.

Parameter Info

Defines the deployment package parameters list.

CA IT Client Manager Server Login Parameters**Service URL**

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

arrayOfDMPackageProperties

Returns the package properties.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Get Software Package Operator

The Get Software Package Operator retrieves a software package identified by its UUID.



Operator Input Parameters

Get Software Package

Software Package ID

Defines the UUID of the software package to retrieve (required).

Software Package Properties Required

Specifies the software package properties to retrieve (required). All values are selected by default.

This field contains the following required flags:

Software Package Id

Specifies the UUID identifying the software package.

Software Package Name

Specifies the name of the software package.

Software Package Version

Specifies the version of the software package.

Based On Software Package Id

Specifies a software package that can be created or imported based on another software package, this element specifies the UUID of the other software package.

Based On Software Package Name

Specifies a software package that can be created or imported based on another software package, this element specifies the name of the other software package.

Based On Software Package Version

Specifies a software package that can be created based on another software package, this element specifies the version of the other software package.

Supplier

Specifies the supplier of the software package.

Comment

Specifies a comment for the software package.

Source Path

Specifies the source path of the software package.

Software Package Type

Defines the type of software package.

User Selectable

Allows the user to ordered from the CA IT Client Manager Catalog.

Software Package Data Source

Specifies the source medium for the software package data source.

Software Package Filed By

Specifies the user who created the software package.

Registration Date Time

Specifies the date and time the software package was created.

Change Date Time

Specifies the date and time the software package was last changed.

Software Packaging Type

Specifies the possible software packaging types.

Packet Size

Returns the Standard Size of the package in kilobytes.

Build On Size

Returns the Extended package size in kilobytes. It includes the added procedures.

Archive Path

Indicates if the software package has been archived and specifies the archive path.

Archive Comment

Indicates if the software package has been archived and specifies the archive comment.

Archived By

Indicates if the software packages have been archived and specifies who performed the archive.

Archive Flag

Indicates whether the path that is referred to can be found at the server or the enterprise manager.

Arch Date Time

Specifies the date and time when the software package was archived.

Software Package Mask

Specifies a sequence that specifies the software package attributes. It contains only one flag 'checksum' which indicates whether a checksum is performed to ensure package consistency.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:*hostname**username*
- On UNIX: unix://< *hostname* >/<*username*>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

GetSoftwarePackageReturn

Returns the software package properties.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Get Software Packages Operator

The Get Software Packages Operator retrieves software packages from the software package list.



Operator Input Parameters

Get Software Packages

Software Package Mask Type

Specifies the types of software packages (required). All options are selected by default.

This contains the following options:

All

Defines all types of software.

Ordinary software

Defines ordinary software.

Detected software

Defines a detected software.

User Selectable

Allows the user to order from the CA IT Client Manager Catalog.

CA ITCM software

Defines the CA IT Client Manager software.

Number Of Software Packages

Defines the total number of software packages to retrieve from the list (required). The value must be less than or equal to the total number available software packages.

If the number supplied exceeds the total number of software packages, then the Operator internally replaces the "number of software packages" with the "total number of software packages".

Software Package Properties Required

Specifies the software package properties to retrieve (required). All options are selected by default.

This field contains the following properties:

Software Package Id

Defines the UUID identifying the software package.

Software Package Name

Defines the name of the software package.

Software Package Version

Defines the version of the software package.

Based On Software Package Id

Defines a software package that can be created or imported based on another software package, this element specifies the UUID of the other software package.

Based On Software Package Name

Defines a software package that can be created or imported based on another software package, this element specifies the name of the other software package.

Based On Software Package Version

Defines a software package that can be created based on another software package, this element specifies the version of the other software package.

Supplier

Defines the supplier of the software package.

Comment

Defines a comment for the software package.

Source Path

Defines the source path of the software package.

Software Package Type

Defines the type of software package.

User Selectable

Allows the user to ordered from the CA IT Client Manager Catalog.

Software Package Data Source

Defines the source medium for the software package data source.

Software Package Filed By

Defines the user who created the software package.

Registration Date Time

Defines the date and time when the software package was created.

Change Date Time

Defines the date and time when the software package was last changed.

Software Packaging Type

Defines the software packaging types.

Packet Size

Returns the Standard Size of the package in kilobytes.

Build On Size

Returns the Extended package size in kilobytes. It includes the added procedures.

Archive Path

Defines the path where the software package has been archived.

Archive Comment

Defines the archive comment.

Archived By

Provides the details of the person who archived the software packages.

Archive Flag

Indicates whether the path that is referred to can be found at the server or enterprise manager.

Arch Date Time

Defines the date and time when the software package was archived.

Software Package Mask

Defines a sequence that specifies the software package attributes. It contains only one flag 'checksum' which indicates whether a checksum is performed to ensure package consistency.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unix://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters**ITCM Session ID**

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

GetSoftwarePackagesReturn

Returns an array of SoftwarePackageProperties, one for each software package requested from the list.

If the number of software packages supplied exceeds the total number of software packages, then the following parameters display:

Warning

Indicates that the number of Software Packages provided exceeds the total number of available Software Packages.

TotalNoOfSoftwarePackages

Returns the total number of available software packages.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Get Software Package Group Operator

The Get Software Package Group Operator retrieves a software package group identified by its UUID.



Operator Input Parameters

Get Software Package Group

Software Package Group ID

Defines the UUID of the software package group to retrieve (required).

Software Package Group Properties Required

Specifies which software package group properties to retrieve (required). All options are selected by default.

This field contains the following properties:

Software Package Group Id

Defines the UUID identifying the software package group.

Number Of Parent Software Package Groups

Defines the number of parent software package groups to which this group is linked.

Number Of Child Software Package Groups

Defines the number of software package groups linked to this group.

Number Of Software Packages

Defines the number of software packages contained in the software package group.

Name

Defines the display name of the software package group.

Comment

Defines a comment for the software package group.

Creation Date

The date and time at which the software package group was created.

Change Date

Defines the date and time at which the software package group was last updated.

Attribute Mask

Defines a series of attributes that describe the software package group.

Software Package Group Property

Indicates the catalog status of the software package group.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

GetSoftwarePackageGroupReturn

Identifies the software package group properties.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Get Software Package Groups Operator

The Get Software Package Groups Operator retrieves the software package groups from a software package group list.



Operator Input Parameters

Get Software Package Groups

Software Package Group ID

Specifies the UUID identifying the software package group whose member groups should be listed. If not supplied the root package group is opened.

Number Of Software Package Groups

Defines the total number of software package groups to get from the list (required). The value must be less than or equal to the total number available. If the number of software package groups supplied exceeds the total number of software package groups, then the Operator internally replaces the "number of software package groups" with the "total number of software package groups".

Software Package Group Properties Required

Specifies which software package group properties to retrieve (required). All options are selected by default.

This field contains the following properties:

Software Package Group Id

Defines the UUID identifying the software package group.

Number Of Parent Software Package Groups

Defines the number of parent software package groups to which this group is linked.

Number Of Child Software Package Groups

Defines the number of software package groups linked to this group.

Number Of Software Packages

Defines the number of software packages contained in the software package group.

Name

Defines the display name of the software package group.

Comment

Defines a comment for the software package group.

Creation Date

Defines the date and time at which the software package group was created.

Change Date

Defines the date and time at which the software package group was last updated.

Attribute Mask

Defines a series of attributes that describe the software package group.

Software Package Group Property

Indicates the catalog status of the software package group.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:*hostname**username*
- On UNIX: unix://< *hostname* >/< *username* >

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

GetSoftwarePackageGroupsReturn

Returns an array of SoftwarePackageGroupProperties - one for each group requested from the list.

If the number of software package groups supplied exceeds the total number of software package groups, then the following additional parameters or variables display:

Warning

Indicates that the number of Software Package Groups provided exceeds the total number of available Software Package Groups.

TotalNoOfSoftwarePackageGroups

Returns the total number of available software package groups.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Get Software Package Procedure Operator

The Get Software Package Procedure Operator retrieves a software package procedure identified by its UUID.



Operator Input Parameters

Get Software Package Procedure

Software Package Procedure ID

Defines the UUID of the software package procedure to retrieve (required).

Software Package Procedure Properties Required

Specifies which software package procedure properties to retrieve (required). All options are selected by default.

This field contains the following properties:

Software Package Procedure Id

Defines the UUID identifying the software package procedure.

Software Package Procedure Name

Defines the name of the software package procedure.

Software Package Procedure Task

Defines the task type of the software package procedure.

Software Package Procedure Type

Defines the type of the software package procedure.

Comment

Defines a comment for the software package procedure.

User Selectable

Indicates whether the procedure is allowed to be included in the Software Delivery Catalog.

External Procedure

Defines a flag that indicates whether the procedure is external to SD or not.

Filed By

Defines the entity by which the software package procedure was filed.

Operating System Type

Specifies the operating system type in hexadecimal format.

Note: For more information on the Operating System Type, see the Operating System Type table in [Get Deployment Packages](#) (see page 44) .

Sub Path

Defines the path of the procedure within the volume.

Proc To Run

Defines the procedure command to be run.

Parameters

Defines a string value containing the input parameters for the procedure.

Procedure Relation

Defines the path of the procedure, relative to the path of the software package to which the procedure belongs.

Activated By

Defines the entity by which the software package procedure was activated.

Activated Date Time

Defines the time or date that the procedure was activated.

Software Package Id

Defines the UUID identifying the software package to which the procedure is associated.

Software Package Name

Defines the name of the software package to which the procedure is associated.

Software Package Version

Defines the version identifier of the software package to which the procedure is associated.

Software Package Type

Defines the type of the software package to which the procedure is associated.

Software Package Volume Id

Defines the UUID identifying the volume of the software package to which the procedure is associated.

Software Package Volume Name

Defines the name of the volume of the software package to which the procedure is associated.

Operation Mask

Defines the operation property for the procedure operation.

Boot Before Mask

Indicates the reboot options requested for the software package procedure before the procedure is executed.

Boot After Mask

Indicates the reboot options requested for the software package procedure after the procedure is executed.

Dependency Query Id

Defines a prerequisite defined for the procedure, this is the UUID of the query that checks if the condition is fulfilled.

Management Type Mask

Indicates whether the requested software package for the procedure is allowed to run on Software Managed software targets.

Note: If you do not select any property, the Operator returns the following default properties:

- externalProcedure
- filedBy
- userSelectable
- softwarePackageType
- operatingSystemType
- activatedBy
- softwarePackageProcedureTask
- softwarePackageProcedureType
- procedureRelation

CA IT Client Manager Server Login Parameters**Service URL**

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

getSoftwarePackageProcedureReturn

Returns the software package procedure properties to retrieve.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Get Software Package Procedures Operator

The Get Software Package Procedures Operator retrieves the procedures from a software package procedure list.



Operator Input Parameters

Get Software Package Procedures

Software Package ID

Specifies the UUID of the software package (required).

Software Package Procedure Type

Specifies the Software Package Procedure types (required). All options are selected by default.

This field contains the following options:

All

Defines all types of procedures.

User Selectable

Defines a procedure that can be used from the CA IT Client Manager catalog.

Embedded

Defines a procedure included in the original package (not added).

Added

Defines a procedure added to a sealed software.

Converted

Defines an added procedure with already registered or external files.

Detected

Defines a virtual procedure for detecting a software.

Install

Defines a procedure used to install a software.

Uninstall

Defines the procedure used to uninstall a software.

Configure

Defines the procedure used to configure a software.

Activate

Defines the procedures used to activate a software.

Software Package Procedure Properties Required

Specifies the list of Software Package Procedure Properties to retrieve (required). All options are selected by default.

This field contains the following properties:

Software Package Procedure Id

Defines the UUID identifying the software package procedure.

Software Package Procedure Name

Defines the name of the software package procedure.

Software Package Procedure Task

Defines the task type of the software package procedure.

Software Package Procedure Type

Defines the type of the software package procedure.

Comment

Defines a comment for the software package procedure.

User Selectable

Indicates whether the procedure is allowed to be included in the Software Delivery Catalog

External Procedure

Defines a flag that indicates whether the procedure is external to SD.

Filed By

Defines the entity by which the software package procedure was filed.

Operating System Type

Specifies the operating system type in hexadecimal format.

Note: For more information on the Operating System Type, see the Operating System Type table in [Get Deployment Packages](#) (see page 44).

Sub Path

Defines the path of the procedure within the volume.

Proc To Run

Defines the procedure command to be run.

Parameters

Defines a string value containing the input parameters for the procedure.

Procedure Relation

Defines the path of the procedure, relative to the path of the software package to which the procedure belongs.

Activated By

Defines the entity by which the software package procedure was activated.

Activated Date Time

Defines the time or date that the procedure was activated.

Software Package Id

Defines the UUID identifying the software package to which the procedure is associated.

Software Package Name

Defines the name of the software package to which the procedure is associated.

Software Package Version

Defines the version identifier of the software package to which the procedure is associated.

Software Package Type

Defines the type of the software package to which the procedure is associated.

Software Package Volume Id

Defines the UUID identifying the volume of the software package to which the procedure is associated.

Software Package Volume Name

Defines the name of the volume of the software package to which the procedure is associated.

Operation Mask

Defines the operation property for the procedure operation.

Boot Before Mask

Indicates the reboot options requested for the software package procedure before the procedure is executed.

Boot After Mask

Indicates the reboot options requested for the software package procedure after the procedure is executed.

Dependency Query Id

Defines a prerequisite defined for the procedure, this is the UUID of the query that checks if the condition is fulfilled.

Management Type Mask

Indicates whether the requested software package for the procedure is allowed to run on Software Managed software targets.

Note: If you do not select any property, the Operator returns the following default properties:

- externalProcedure
- filedBy
- userSelectable
- softwarePackageType
- operatingSystemType
- activatedBy
- softwarePackageProcedureTask
- softwarePackageProcedureType
- procedureRelation

Number Of Software Package Procedures

Defines the total number of procedures to get from the list (required). The field value must be less than or equal to the total number available. If "No Of Software Package Procedures" supplied exceeds the total number of software package procedures, then the Operator internally replaces the "number of software package procedures" with the "total number of software package procedures".

CA IT Client Manager Server Login Parameters**Service URL**

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

getSoftwarePackageProcedures

Returns an array of SoftwarePackageProcedureProperties - one for each group requested from the list.

If the number of software package procedures supplied exceeds the total number of software package procedures, then the following parameters or variables display:

Warning

Indicates that the number of Software Package Procedures provided exceeds the total number of available Software Package Procedures.

TotalNoOfSoftwarePackageProcedures

Returns the total number of available software package procedures.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Get Software Package Procedure Group Operator

The Get Software Package Procedure Group Operator retrieves a software package procedure group identified by its UUID.



Operator Input Parameters

Get Software Package Procedure Group

Software Package Procedure Group ID

Defines the UUID of the software package procedure group to retrieve (required).

Software Package Procedure Group Properties Required

Specifies the software package procedure group properties to retrieve (required).

This field contains the following attributes:

Software Package Procedure Group Id

Specifies the UUID identifying the software package procedure group.

Number Of Parent Software Package Procedure Groups

Specifies the number of parent software package procedure groups to which this group is linked.

Number Of Software Package Procedures

Specifies the number of software package procedures linked to the procedure group.

Name

Specifies the display name of the software package procedure group.

Comment

Specifies a comment for the software package procedure group.

Creation Date

Specifies the date and time at which the software package procedure group was created.

Change Date

Specifies the date and time at which the software package procedure group was last updated.

Attribute Mask

Specifies a series of attributes that describe the software package procedure group.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unix://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

GetSoftwarePackageProcedureGroupReturn

Returns the software package procedure group properties.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Get Software Package Installations Operator

The Get Software Package Installations Operator retrieves the installations from a software package installation list.



Operator Input Parameters

Get Software Package Installations

Software Package ID

Specifies the UUID identifying the software package whose installations should be listed (required).

Unit Group ID

Specifies the UUID identifying a group of units by which to filter the list of installations. You can use this parameter to return a list of software package installations to only those units within a specific group.

Unit Software Job Properties Required

Specifies the properties that are required while getting an individual installation from the list (required). All the properties are selected by default.

This field contains the following required attributes:

Unit Software Job Id

Specifies the UUID identifying the software job for a specific unit.

Unit Id

Specifies the UUID identifying the unit to which the software job has been applied.

Unit Name

Specifies the name of the unit to which the software job has been applied.

Unit Type

Specifies the type of the unit to which the software job has been applied.

Unit Net Address

Specifies the network address of the unit to which the software job has been applied (where appropriate for the unit type).

Software Job Id

Specifies the UUID of the software job that has been applied to the given unit.

Software Job Name

Specifies the name of the software job that has been applied to the given unit.

Software Job State

Specifies the current state of the specified software job on the given unit.

Software Job Order Number

Specifies the order number for the unit's given software job.

Software Package Id

Specifies the UUID identifying the software package associated with the unit's given software job.

Software Package Name

Specifies the name of the software package associated with the unit's given software job.

Software Package Version

Specifies the version of the software package associated with the unit's given software job.

Software Package Type

Specifies the class of the software package associated with the unit's given software job.

Software Package Procedure Id

Specifies the UUID identifying the software package procedure associated with the unit's given software job.

Software Package Procedure Name

Specifies the name of the software package procedure associated with the unit's given software job.

Activation Date Time

Specifies the date and time at which the unit's given software job was activated.

Creation Date Time

Specifies the date and time at which the unit's given software job was created.

Completion Date Time

Specifies the date and time at which the unit's given software job completed.

Software Job Type

Specifies the type of the unit's given software job.

Ordered By

Specifies the user account that started or ordered the unit's software job.

Unit Software Job State

Specifies the current state of the unit's given software job.

Unit Software Job Renew State

Indicates the current state of the job that has been renewed.

Unit Software Job Permission Mask

Specifies the permissions applicable to the unit's software job.

Error Message

Specifies the text of an error message that has been generated by the software job.

Error Code

Specifies the code of the error (if any) generated by the software job.

User Defined Name

Specifies a user-defined identifier for this unit software job.

Comment

Specifies a comment for the unit's software job.

Unit Installation Software Job Id

Specifies the UUID of the installation job associated with this unit software job.

Unit Installation Software Package Procedure Id

Specifies the UUID of the installation procedure associated with this unit software job.

Unit Installation Software Package Procedure Name

Specifies the name of the installation procedure associated with this unit software job.

Software Job Task Mask

Specifies the type of the task the unit software job is concerned with, for example, install or configure.

Percent Sent

Specifies the percentage of the software job that has been sent to its target.

Software Packaging Type

Specifies the type of the software package, for example, generic, PIF, or MS.

User Params

Specifies a string value containing the user-defined parameters for the given unit's software job.

Unit Host UUID

Specifies an agent-generated UUID that identifies the given unit.

Note: If you do not select any property, the Operator returns the following default properties:

- softwarepackingtype
- softwarepackagetype
- unittype
- unitsoftwarejobstate
- softwarejobtype
- errorcode
- softwarejobbordernumber
- percentsent
- unitsoftwarejobrenewstate
- softwarejobstate

Number Of Software Package Installations

Specifies the total number of installations to retrieve from the list (required). The value must be less than or equal to the total number available. If "Number Of Software Package Installations" supplied exceeds the total number of software package installations, then the Operator internally replaces the "Number of software package installations" with the "total number of software package installations."

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

GetSoftwarePackageInstallationsReturn

Returns an array of UnitSoftwareJobProperties - one for each software package installation requested from the list.

If the number of software package installations supplied exceeds the total number of software package installations, then the following parameter or variable appears:

Warning

Indicates that the number of Software Package Installations provided exceeds the total number of available Software Package Installations.

TotalNoOfSoftwarePackageInstallations

Returns the total number of available software package installations.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Get Software Package Group Software Packages Operator

The Get Software Package Group Software Packages Operator retrieves the software packages from software package group packages.



Operator Input Parameters

Get Software Package Group Software Packages

Software Package Group Name

Specifies a software package group to search for (required).

Number of Software Packages

Specifies the total number of packages to get from the software package list (required). If the value is greater than the total number of packages available, then the Operator throws a warning message and retrieves the number of packages available.

Software Package Properties Required

Specifies the properties that are required to retrieve a software package (required). All the fields are selected by default.

This field contains the following properties:

Software Package Id

Specifies the UUID identifying the software package.

Software Package Name

Specifies the name of the software package.

Software Package Version

Specifies the version of the software package.

Based On Software Package Id

A software package may be created or imported based on another software package, this element specifies the UUID of the other software package.

Based On Software Package Name

A software package may be created or imported based on another software package, this element specifies the name of the other software package.

Based On Software Package Version

A software package may be created based on another software package, this element specifies the version of the other software package.

Supplier

Specifies the supplier of the software package.

Comment

Specifies a comment for the software package.

Source Path

Specifies a source path for the software package.

Software Package Type

Specifies the type of software package.

User Selectable

Allows the user to order from the CA IT Client Manager Catalog.

Software Package Data Source

Specifies the source medium for the software package data source.

Software Package Filed By

Specifies the user who created the software package.

Registration Date Time

Specifies the date and time when the software package was created.

Change Date Time

Specifies the date and time when the software package was last changed.

Software Packaging Type

Specifies the possible software packaging types.

Packet Size

Returns the Standard Size of the package in kilobytes.

Build On Size

Returns the Extended package size in kilobytes. It includes the added procedures.

Archive Path

If the software package has been archived this specifies the archive path.

Archive Comment

If the software package has been archived this specifies the archive comment.

Archived By

If the software package has been archived this specifies who performed the archive.

Archive Flag

Indicates whether the path that is referred to can be found at the server or enterprise manager.

Arch Date Time

If the software package has been archived this specifies the date and time the archive took place.

Software Package Mask

This sequence specifies the software package attributes. It contains only one flag 'checksum' which indicates whether a checksum is performed to ensure package consistency.

Note: If you do not select any property, the Operator returns the following default properties:

- packageType
- userSelectable
- buildOnSize

- softwarePackageType
- softwarePackageDataSource
- archiveFlag
- packetSize
- softwarePackageFiledBy

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

GetSoftwarePackageGroupSoftwarePackagesReturn

Specifies an array of SoftwarePackageProperties - one for each package requested from the list.

If the number of software package groups supplied exceeds the total number of software packages, then the Operator displays the following variables or parameters:

Warning

Indicates that the number of Software Packages provided exceeds the total number of available Software Packages.

TotalNoOfSoftwarePackages

Returns the total number of available software packages.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Get Software Package Group Software Packages Recursive Operator

The Get Software Package Group Software Packages Recursive Operator displays a list of the software packages from a given software package group or sub groups contained within that group. The Operator expands all member groups in the hierarchy recursively and then retrieves the software packages from a software package group package list.



Operator Input Parameters

Get Software Package Group Software Packages Recursive

Software Package Group Name

Defines the name of the software package group to search for (required).

Software Package Properties Required

Specifies the required properties to retrieve a package from the list (required). If "No Of Software Packages" supplied exceeds the total number of software packages, then the Operator internally replaces the "number of software packages" with the "total number of software packages."

This field contains the following properties:

Software Package Id

Specifies the UUID identifying the software package.

Software Package Name

Specifies the name of the software package.

Software Package Version

Specifies the version of the software package.

Based On Software Package Id

Specifies a software package that may be created or imported based on another software package, this element specifies the UUID of the other software package.

Based On Software Package Name

Specifies a software package that may be created or imported based on another software package, this element specifies the name of the other software package.

Based On Software Package Version

Specifies a software package that may be created based on another software package, this element specifies the version of the other software package.

Supplier

Specifies the supplier of the software package.

Comment

Specifies a comment for the software package.

Source Path

Specifies a source path of the software package.

Software Package Type

Specifies the type of software package.

User Selectable

Allows the user to order from CA IT Client Manager Catalog.

Software Package Data Source

Specifies the source medium for the software package data source.

Software Package Filed By

Specifies the user who created the software package.

Registration Date Time

Specifies the date and time when the software package was created.

Change Date Time

Specifies the date and time when the software package was last changed.

Software Packaging Type

Specifies the possible software packaging types.

Packet Size

Returns the Standard Size of the package in kilobytes.

Build On Size

Returns the Extended package size in kilobytes. It includes the added procedures.

Archive Path

Specifies the path where the software package has been archived.

Archive Comment

Defines the archive comment.

Archived By

Provides the details of the person who archived the software packages.

Archive Flag

Indicates whether the path that is referred to can be found at the server or enterprise manager.

Arch Date Time

Specifies the date and time when the software package was archived.

Flags

Specifies the software package attributes. It contains only one flag 'checksum' which indicates whether a checksum is performed to ensure package consistency.

Note: If you do not select any property, the Operator returns the following default properties:

- packageType
- userSelectable
- buildOnSize
- softwarePackageType
- softwarePackageDataSource
- archiveFlag
- packetSize
- softwarePackageFiledBy

Number Of Software Packages

Specifies the total number of packages to get from the list (required). If this value is greater than the total number of packages available, then the Operator displays a warning message and retrieves the number of software packages available.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

GetSoftwarePackageGroupSoftwarePackagesRecursiveReturn

Returns an array of SoftwarePackageProperties - one for each package requested from the list.

If the number of software packages supplied exceeds the total number of software packages, then the Operator displays the following parameters/variables:

Warning

Indicates that the number of Software Packages provided exceeds the total number of available Software Packages.

TotalNoOfSoftwarePackages

Returns the total number of available software packages.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Evaluate Software Policy Operator

The Evaluate Software Policy Operator evaluates a software policy identified by its Name.



Operator Input Parameters

Evaluate Software Policy

Software Policy Name

Specifies the software policy name to search for (required).

Software Policy Evaluation Type

Specifies a type of evaluation to use for the software policy as follows:

ET-POPULATEEXCEPTIONS

Defines a conformance check for all members in the group. If any nonconforming members are found, they are added to the Violators folder.

ET-SETUPJOBS

Defines a conformance check for all members in the group and to set up, but not activate, jobs for members not conforming to the policy conditions. The job container containing the jobs is not sealed.

ET-SETUPANDEXECUTEJOBS

Defines a conformance check for all members in the group, and to set up, and activate, jobs for members not conforming to the policy conditions. The job container containing the jobs is sealed and the jobs executes at the specified time.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unix://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters**ITCM Session ID**

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

None.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Deploy Package Operator

The Deploy Package Operator deploys a package on the target computers.



Operator Input Parameters

Deploy Package

Job Id

Defines Job ID returned from a scan method. The job ID identifies the list of computers on which the deployment takes place. Use the Operator "Scan package on target computers" to get the job ID.

Deployment Information

The Deployment Information contains information about the target machines credentials and scalability server. If you do not have access to all the machines targeted for deployment, then use "Target Machine Credentials" field to provide machine-specific credentials. If deployment is required to take place from a scalability server, then provide the scalability server details.

Target User Name

Specifies the user name for deployment.

Target Password

Specifies the user password.

Scalability Server

Specifies the server name to facilitate the deployment process.

Scalability Server User Name

Specifies the scalability server user name.

Scalability Server Password

Specifies the user password for the scalability server.

Target Machine Credentials

Specifies the machine name, the username, and the password for each of the target machines.

Deployment Package Information

Product Name

Specifies the product name pertaining to the package.

Package Name

Specifies the package name.

Package Version

Specifies the package version.

Platform

Specifies the package platform.

Language

Specifies the language of the selected package.

Parameter Values

Specifies an array of ParameterValue structures that contain parameter values required for the package installation.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

None.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Create Activate Software Job Operator

The Create Activate Software Job Operator creates a software Activate job.



Operator Input Parameters

Create Activate Software Job

Software Package Procedure Id

Specifies the UUID of the software package procedure (required). The "Find software package procedure" Operator returns this ID.

Software Package Install Procedure Id

Specifies the UUID of the install software package procedure (required). The "Find software package procedure" Operator returns this ID.

Software Job Container Name

Specifies the name of the software job container to search for (required).

Software Package Installation Ids

Specifies an array of UUIDs for the installation jobs on which this activation job must be based. The Operator "Get software package installations" returns this ID.

Note: If you do not provide a value in this field, then you must supply the unitId or UnitGroupid.

Unit Group Ids

Specifies an array of UUIDs for the unit groups to which the job must be applied to. The "Get Unit Group" Operator returns this ID.

Unit Ids

Specifies an array of UUIDs for the units. The "Get UnitID" Operator returns this ID.

Software Job Order Properties

Execution Date

Specifies the software job execution dates. The default is the current date and time of the manager computer.

Timeout Hours

Specifies the timeout hours. The default is 168 hours.

Startup When

Specifies the software job startup time. The default is EXACT_LOCAL_TIME.

This field contains the following options:

BOOT-LOCAL-TIME

The server will not trigger the agent to start the job. The job will be started the first time the agent starts after the start time has occurred. Normally, when the agent-machine is re-booted, the start time is based on that of the domain manager.

EXACT-LOCAL-TIME

The server will trigger the agent to start the job as soon as the start time has occurred. The start time is based on that of the domain manager.

BOOT-GLOBAL-TIME

The server will not trigger the agent to start the job. The job will be started the first time the agent starts after the start time has occurred. Normally, when the agent-machine is re-booted, the start time is based on that of the enterprise manager.

EXACT-GLOBAL-TIME

The server will trigger the agent to start the job as soon as the start time has occurred. The start time is based on that of the enterprise manager.

Job Name

Defines a software job name (required).

Boot Before Mask

Specifies the reboot options for a software job. The default is noReboot.

Contains the following options:

noReboot

Do not reboot the computer before starting the job.

reboot

Reboot the computer before starting the job.

logoff

If logoff is set to true, the user agent logs off the user and the machine agent logs off all users before the job starts.

rebootAfterLast

Not applicable.

logoffAfterLast

Not applicable.

Boot After Mask

Specifies the reboot option for a software job. The default is noReboot.

Contains the following options:

noReboot

Do not reboot the computer after the job has ended.

reboot

Reboot the computer after the job has ended.

logoff

If logoff is set to true, the user agent logs off the user, and the machine agent logs off all users before the job starts.

rebootAfterLast

Reboot the computer when last job in the container has ended.

logoffAfterLast

If logoffAfterLast is set to true, the user agent logs off the user and the machine agent logs off all users when the last job in the container has ended.

Operation Mask

Specifies a software job operation mask. The default is calendarControl.

Contains following multiple options:

offline

Execute procedure offline from the Scalability Server.

prompt

Display a message on the target computer before the job starts.

calendarControl

Control the execution by the job execution calendar defined for this target agent.

shield

Prevent user from being logged-on while the job executes.

noPromptCancel

Allows user to cancel a "prompt user" job.

rerun

Run the activate/configure job every time the software policy is Evaluated.

execPromptTimeout

Job will execute if prompt timeout expires (not set - job is postponed).

resolveQueryGroups

Resolve the target groups before the job is set up.

autoDeliverItem

Store the package in the Scalability Server Library.

defaultItemProc

This is the default procedure for this package with the task defined for this procedure.

renewFailedOnly

Only failed jobs can be renewed.

runAtShutdown

To Run while the system is allowed to shut down.

User Parameters

Specifies the user parameters.

Prompt Timeout Hours

Specifies the timeout hours. The default is 24 hours.

Delivery Calendar

Specifies the delivery calendar.

Delivery Date

Specifies the delivery date. The default is the current date and time of the manager computer.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unix://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

CreateActivateSoftwareJobReturn

Returns the UUID of a new job.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Suspend Deployment Job Operator

The Suspend Deployment Job Operator suspends a running deployment job referenced by the deployment job identifier. The system suspends the installation at a safe point in the deployment for all the specified targets. For targets where package transfer has started, the job suspends at the current point, and where the package installer has started, the installation is completed.



Operator Input Parameters

Suspend Deployment Job

Job Id

Specifies the job ID returned from the scan method (required). The ID identifies the list of computers from the scan on which the deployment has to take place. Use the Operator "Scan Package On Target Computers" to get the ID.

Notes:

- Operator-specific properties will override the module level properties.
- Success of an Operator suggests the Operator completed its operation; failure suggests that the Operator failed.
- Suspending a suspended job does not return an error.
- Suspend Operation on an aborted or discarded job will return an error.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:*hostname**username*>
- On UNIX: unix://< *hostname* >/<*username*>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters**ITCM Session ID**

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

None.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Suspend Software Jobs Operator

The Suspend Software Jobs Operator suspends the delivery of the files for one or more software jobs that are in progress to the scalability server.



Operator Input Parameters

Suspend Software Jobs

Software Jobs

Defines an array of software job ID (required). Use "Find Software Job" to retrieve the ID.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

None.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Create Computer Operator

The Create Computer Operator creates a computer.



Operator Input Parameters

Create Computer

Computer Label

Specifies the computer label.

Computer Host Name

Specifies the computer host name. The default is Computer Label.

Computer Primary Network Address

Specifies the primary network address of the computer (required).

Computer Type

Specifies the computer type. The computer types are as follows:

- MACHINE (the default)
- SCALABILITY-SERVER
- DOCKING-DEVICE

Operating System Type

Specifies the operating system type in hexadecimal format (required).

Note: For more information on the Operating System Type, see the Operating System Type table in [Get Deployment Packages](#) (see page 44).

Scalability Server Name

Specifies the scalability server name. If you do not provide the value, internally the system fetches and sets the manager name.

Create Agent Components

Specifies the following agent components (required). At least one agent component must be available.

AM agent

The AM agent needs to be created when set to true.

AM software usage agent

The AM software usage agent needs to be created when set to true.

AM performance agent

The AM performance agent needs to be created when set to true.

SD agent

The SD agent needs to be created when set to true.

DTS agent

The DTS agent needs to be created when set to true.

RC agent

The RC agent needs to be created when set to true.

User

Specifies the user name. The default value is blank.

Phone

Defines the user phone.

Location

Specifies the user location. The default value is blank.

Comment

Specifies the user comment.

Computer Primary MAC Address

Specifies the computer MAC Address.

OSIM Image

Specifies the OSIM image.

OSIM Boot Server Name

Specifies the OSIM boot server name. The default is the scalability server name taken as the OSIM boot server name.

SD Agent Properties

The Operator defines the properties that are set for SDAgent. The properties are required only to create the SD agent.

Job Calendar

Specifies the job calendar name.

Software Managed System.

Specifies the software managed system. By default the checkbox is clear.

RAC Policy

Specifies the type of Reinstall After Crash (RAC) policy as follows:

RAC_COMMON (the default)

The common RAC policy is used for this computer.

RAC_AUTOMATIC

The RAC job container is created and activated automatically. Policy is used for this computer.

RAC_DEFERRED

A RAC job container is created. You can review and modify it manually.

RAC_DISABLED

The RAC policy is disabled for this computer.

Download Method

Specifies the download method for software delivery as follows:

INTERNAL_NOS (the default)

Download method for software delivery is internal NOS.

INTERNAL_NOSLESS

Download method for software delivery is Internal NOSLESS.

DTS_NOSLESS

Download method for software delivery is DTS.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

uuidOfCreatedComputer

Returns the UUID of the new computer.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Abort Deployment Job Operator

The Abort Deployment Job Operator halts a running deployment job referenced by the deployment job identifier.



The system aborts the installation at a safe point for all the specified targets.

- For targets where deployment has not yet started, the deployment stops.
- For targets where package transfer has started, the deployment stops and the temporary files are deleted.
- For targets where the package installer has started the installation, the jobs are completed.

Operator Input Parameters

Abort Deployment Job

Job Id

Specifies the job ID (required). The job ID defines the list of computers from the scan, on which the deployment has to take place. Use the "Scan Package On Target Computers" to get the ID.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

None.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Cancel Software Jobs Operator

The Cancel Software Job Operator cancels software jobs.



Operator Input Parameters

Cancel Software Jobs

Software Jobs

To cancel a Particular Job the Corresponding SoftwareJobids needs to be passed in the ArrayOfString (required). At least one softwarejobIds should be available. Use the "Find Software Job" to retrieve the ID.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

None.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Create Software Package Operator

The Create Software Package Operator creates a software package.



Operator Input Parameters

Create Software Package

Software Package Name

Specifies the software package name (required).

Software Package Version

Specifies the software package version (required).

Supplier

Specifies the software package supplier.

Comment

Specifies the software comment.

Based On Software Package Id

Specifies the UUID of other software package. (A software package may be created or imported based on another software package.)

Checksum

Ensures that a checksum is performed to maintain package consistency. By default the checkbox is selected.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unix://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters**ITCM Session ID**

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs**Operator Results****CreateSoftwarePackageReturn**

Returns the UUID of the new package.

Operator Ports**Success**

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Create Software Package Group Operator

The Create Software Package Group Operator creates a software package group.



Operator Input Parameters

Create Software Package Group

Parent Software Package Group Name

Specifies the name of the parent software package group to search for. If not supplied, the root folder '___SD_Software Library' is used as the parent.

Software Package Group Name

Specifies the name of the software package group (required).

Comment

Specifies the comment for the software package group.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:*hostname**username*>
- On UNIX: unix://< *hostname* >/<*username*>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters**ITCM Session ID**

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

CreateSoftwarePackageGroupReturn

Returns the UUID of the new group.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Create Software Package Procedure Operator

The Create Software Package Procedure Operator creates a new software package procedure.



Operator Input Parameters

Create Software Package Procedure

Software Package Id

Specifies the software package ID (required). Use the "FindSoftwarePackage" to retrieve the ID.

Software Package Procedure Name

Specifies the software package procedure name (required).

Software Package Procedure Task

Specifies an enumerated list of possible software procedure task types. The types are as follows:

- INSTALL (the default)
- UNINSTALL
- CONFIGURE
- ACTIVATE

Software Package Procedure Type

Specifies an enumerated list of possible external file types of the software package procedures. The types are as follows:

- SIP
- CMDFILE
- EXEFILE (the default)
- SWDET
- MSI
- SXP
- PKG
- PIF
- IPS
- PALM
- WINCE

Comment

Defines a comment for the software package procedure.

User Selectable

Ensures that the procedure is allowed in the Software Delivery Catalog. By default this checkbox is clear.

External Procedure

Specifies whether the procedure is external to SD or not. By default this checkbox is unselected.

Operating System Type

Specifies the type of the operating system.

Default: SDAPI_OS_ANY

Note: For more information on the Operating System Type, see the Operating System Type table in [Get Deployment Packages](#) (see page 44).

Sub Path

Specifies the path of the procedure within the volume.

Proc To Run

Specifies the procedure command to run (required).

Parameters

Specifies the string value that contains the input parameters for the procedure.

Software Package Volume Name

Specifies the Software package volume name (required).

Software Package Procedure Operation Mask

Specifies a series of flags for a software package procedure.

Contains the following multiple options:

offline

Execute procedure offline from the Scalability Server

prompt

Display a message on the target computer before the job starts

calendarControl

Control the execution by the job execution calendar defined for this target agent.

shield

Prevent user from being logged-on while the job executes.

lock

This option is obsolete.

noPromptCancel

Allows user to cancel a "prompt user" job

background

This option is obsolete.

rerun

Run the activate/configure job every time the software policy is Evaluated.

permActArea

This option is obsolete.

execPromptTimeout

Job will execute if prompt timeout expires (not set - job is postponed)

resolveQueryGroups

Resolve the target groups before the job is set up

autoDeliverItem

Store the package in the Scalability Server Library

defaultItemProc

This is the default procedure for this package with the task defined for this procedure.

renewFailedOnly

Only failed jobs can be renewed.

Boot Before Mask

Specifies a series of flags that indicate the reboot options for a software package procedure as follows:

noReboot (the default)

Do not reboot the computer before starting the job.

reboot

Reboot the computer before starting the job.

logoff

If logoff is set to True, then the user agent logs off the user and the machine agent logs off all users before the job starts.

rebootAfterLast

Reboot the computer after the last job in the container is complete.

logoffAfterLast

If logoffAfterLast is set to true, the user agent logs off the user and the machine agent logs off all users when the last job in the container is complete.

Boot After Mask

Specifies a series of flags that indicate the reboot options for a software package procedure as follows:

noReboot (the default)

Do not reboot the computer before starting the job.

reboot

Reboot the computer before starting the job.

logoff

If logoff is set to True, then the user agent logs off the user and the machine agent logs off all users before the job starts.

rebootAfterLast

Reboot the computer after the last job in the container is complete.

logoffAfterLast

If logoffAfterLast is set to true, the user agent logs off the user and the machine agent logs off all users when the last job in the container is complete.

Dependency Query Name

Specifies the name of the query that checks if there is a prerequisite defined for the procedure.

Management Type Mask

Specifies whether the requested software package for the procedure is allowed to run on Software Managed software targets. The default value is SD. The options are as follows:

sd (the default)

Execute by the ordinary sd agent.

sm

Execute by the agent that handles packages created by CA Software Management Packager.

CA IT Client Manager Server Login Parameters**Service URL**

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unix://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

CreateSoftwarePackageProcedureReturn

Returns the UUID of a new procedure.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Create Software Package Procedure Dependency Operator

The Create Software Package Procedure Dependency Operator creates a software package procedure dependency.



Operator Input Parameters

Create Software Package Procedure Dependency

Software Package Procedure Id

Specifies the UUID of the software package procedure with which the dependency is associated (required). Use the "Find Software Package Procedure" Operator to retrieve the ID.

Dependant Software Package Procedure Id

Specifies the UUID of the software package procedure on which the procedure is dependant (required). Use the "Find Software Package Procedure" Operator to retrieve the ID.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

CreateSoftwarePackageProcedureDependencyReturn

Returns the UUID of the new dependency.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Create Software Package Procedure Group Operator

The Create Software Package Procedure Group Operator creates a software package procedure group.



Operator Input Parameters

Create Software Package Procedure Group Operator

The Create Software Package Procedure Group Operator specifies which procedure group properties are initialized when a software package procedure group is created.

Parent Software Package Group Name

Specifies parent software package group name. If this parameter is not supplied, the root folder ' __SD_Software Library' is used as the parent.

Software Package Procedure Group Name

Specifies the Software package procedure group name (required).

Comment

Specifies the comments.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:*hostname*>\<i>username>
- On UNIX: unixl://< *hostname* >/<i>username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

CreateSoftwarePackageProcedureGroupReturn

Returns the UUID of the new group.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Create Software Policy Operator

The Create Software Policy Operator creates a new software policy.



Operator Input Parameters

Create Software Policy

Unit Group Id

Specifies the UUID of the unit group whose associated query you want to reevaluate (required). Use the Operator "GetUnitGroup" to get the ID.

Software Policy Name

Specifies the software policy name (required).

Comment

Specifies the comments.

Software Policy Evaluation Type

Specifies the evaluation type used for the software policy. The default value is ET-SETUPANDEXECUTEJOBS.

The policy types are as follows:

- **ET-POPULATEEXCEPTIONS**
Defines a conformance check for all members in the group. If any nonconforming members are found, they are added to the Violators folder.
- **ET-SETUPJOBS**
Defines a conformance check for all members in the group and to set up (not to activate) jobs for members not conforming to the policy conditions. The job container containing the jobs is not sealed.
- **ET-SETUPANDEXECUTEJOBS**
Defines a conformance check for all members in the group, to set up, and activate, jobs for members not conforming to the policy conditions. The job container containing the jobs is sealed and the jobs are executed at the specified time.

Software Job Container Property Mask

Specifies a number of properties related to the creation and setup of a software job container. Also specifies the rules that you must apply to the jobs within the container. The default values are linkageBatch and cascade.

The options are as follows:

linkageNone

The Jobs in the container runs independently from one another.

linkageSequence

The jobs in the container are only activated, when the previous job in the container is successfully completed for all of its targets.

linkageBatch (the default)

For each target, all jobs in the container runs as a single task. If a job fails for any target, the remaining jobs in the container for that target are aborted.

rollback

This parameter should be only used when "linkageBatch" is set to true. If the option is true it is treated as "Enable Transaction". In case of a failure during evaluation, the already evaluated jobs for the target within the batch will fail. In case of a failure during execution, jobs for the target within the batch will be rolled back(SXP, PIF and PKG only).

cascade (the default)

This value can only be set to true if linkageNone is set to false. If you select this field, then any procedure that is to execute as part of the job container, is for its own execution dependent on the successful execution of all procedures in its Procedure Dependencies folder.

buildOnly

This is used when the Job Container is set for Seal, and it is used to evaluate jobs only. Job Container is not activated in this case.

renewed

This flag is not applicable to Software policies. It is used when the Job Container is renewed and it has failed.

Evaluation Type Mask

Specifies the properties that govern the evaluation of a software policy as follows:

once (the default)

Do the evaluation once. Cannot be combined with periodic.

periodic

Do the evaluation periodically. Cannot be combined with once.

enterpriseTime

The evaluation start time is the Enterprise Manager time.

adhocCreate

Do evaluation when new or reinstalled computers register.

adhocUpdate

Do evaluation when computers report inventory.

Evaluation Calendar

Specifies the name of the calendar that controls the time when the evaluation can take place. Specify evaluationPeriod to activate the evaluationCalendar.

Evaluation Period

Specifies the evaluation period. The default is 24.

Next Evaluation Date

Specifies the next evaluation date. The default is the current date and time of the manager computer.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unix://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters**ITCM Session ID**

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

CreateSoftwarePolicyReturn

Defines the UUID of the new policy.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Set Software Group Operator

The Set Software Group Operator provides the softwareGroupId (package Group/ ProcedureGroup) to set the properties of the software group.



Operator Input Parameters

Set Software Group

Software Group Id

Specifies the UUID of the software group (required). Use the "Find software package group" or "Find software package procedure group" Operator to get the ID.

Software Group Name Supplied

Ensures that the software group name is provided.

Software Group Name

Specifies a new name for the software group.

Comment Supplied

Ensures that the comment field is enabled.

Comment

Specifies a new comment string for the software group.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

None.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Set Software Job Operator

The Set Software Job Operator updates the properties of a software job.



Operator Input Parameters

Set Software Job

Software Job Id

Specifies the UUID of the software job (required).

Software Job Name Supplied

Ensures that the Software Job Name field is enabled.

Software Job Name

Specifies the software name.

Execution Date Supplied

Ensures that the Execution Date field is enabled.

Execution Date

Specifies the software job execution date.

Timeout Hours supplied

Specifies the timeout hours.

Timeout Hours

Defines the time in hours after which the job (if the job is unable to complete) ceases the attempts to complete.

Start When Supplied

Specifies when to start a software job.

Start When

Specifies a BOOT-LOCAL-TIME

The server do not trigger the agent to start the job. The job will be started the first-time when the agent starts after the start time (when the agent-machine is reboots). The start time is based on the domain manager time.

EXACT-LOCAL-TIME

The server triggers the agent to start the job as soon as the start time has occurred. The start time is based on the domain manager time.

BOOT-GLOBAL-TIME

The server does not trigger the agent to start the job. The job starts the first-time when the agent starts after the start time (when the agent-machine is reboots). The start time is based on the enterprise manager start time.

EXACT-GLOBAL-TIME

The server triggers the agent to start the job at the start time. The start time is based on the enterprise manager start time.startup time for a software job.

Boot Before Mask Supplied

Ensures that the Boot Before Mask field is enabled.

Boot Before Mask

Specifies the reboot options for a software job.

noReboot

Do not reboot the computer before starting the job.

reboot

Reboot the computer before starting the job.

logoff

The user agent logs off the user and the machine agent logs off all users before the job starts.

rebootAfterLast

logoffAfterLast

Boot After Mask Supplied

Ensures that the Boot After Mask field is enabled.

Boot After Mask

Specifies the reboot options for a software job

noReboot

Do not reboot the computer after the job ends.

reboot

Reboot the computer after the job ends.

logoff

The user agent logs off the user, and the machine agent logs off all users before the job starts.

rebootAfterLast

Reboot the computer when last job in the container ends.

logoffAfterLast

The user agent logs off the user and the machine agent logs off all users when the last job in the container ends.

Operation Mask Supplied

Ensures that the Operation Mask field is enabled.

Operation Mask

Specifies the options for the operation of a software job. The options are as follows:

offline

Executes procedure offline from the Scalability Server.

prompt

Displays a message on the target computer before the job starts.

calendarControl

Controls the execution by the job execution calendar defined for this target agent.

shield

Prevents user from being logged-on while the job executes.

noPromptCancel

Allows user to cancel a "prompt user" job.

rerun

Runs the activate or configure job every time the software policy is evaluated.

execPromptTimeout

Executes if prompt timeout expires (not set - job is postponed).

resolveQueryGroups

Resolves the target groups before the job is set up.

autoDeliverItem

Stores the package in the Scalability Server Library.

defaultItemProc

Specifies default procedure for the software package with the task defined for this procedure.

renewFailedOnly

Renews only failed jobs.

runAtShutdown

Forces to Run a job while the system is allowed to shut down.

User Parameters Supplied

Ensures that the User Parameters field is enabled.

User Parameters

Specifies user-defined parameters for the job.

Prompt Timeout Hours Supplied

Ensures that the Prompt Timeout Hours field is enabled.

Prompt Timeout Hours

Specifies the number of hours for which a user prompt is displayed before forced execution of the job. The default value is 1 day. The parameter value must not exceed the timeout value for the job.

Delivery Calendar Supplied

Ensures that the Delivery Calendar field is enabled.

Delivery Calendar

Specifies the name of a Unicenter delivery calendar to use for scheduling the job. The calendar controls the days, dates, and times when delivery is permitted. The time cells (not set on) defines the exclusion intervals.

If you define a calendar name which is unknown to Unicenter, the job is not created.

Delivery Date Supplied

Ensures that the Delivery Date field is enabled.

Delivery Date

Specifies the date and time at which the job was delivered.

CA IT Client Manager Server Login Parameters**Service URL**

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

None.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Set Software Package Operator

The Set Software Package Operator updates the properties of a software package.



Operator Input Parameters

Set Software Package

Software Package ID

Specifies the UUID of the software package (required).

Software Package Name Supplied

Ensures that the "Software Package Name" field is enabled.

Software Package Name

Specifies the name of the software package.

Software Package Version Supplied

Ensures that the "Software Package Version " field is enabled.

Software Package Version

Specifies the software package version.

Supplier Supplied

Ensures that the "Supplier " field is enabled.

Supplier

Specifies the supplier of the software package.

Comment Supplied

Ensures that the "Comment " field is enabled.

Comment

Specifies comment for a software package.

Archive Comment Supplied

Ensures that the "Archive Comment" field is enabled.

Archive Comment

Specifies the archive comment.

Software Package Mask Supplied

Ensures that the "Package Mask" field is enabled.

Checksum

Specifies whether a checksum is performed to ensure package consistency.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

None.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Set Software Package Procedure Operator

The Set Software Package Procedure Operator updates the properties of a software package procedure.



Operator Input Parameters

Set Software Package Procedure

Software Package Procedure Id

Specifies the UUID of a software package procedure (required).

Software Package Procedure Name Supplied

Ensures that the Software Package Procedure Name field is enabled.

Software Package Procedure Name

Specifies the name of the software package procedure.

Software Package Procedure Task Supplied

Ensures that the Software Package Procedure Task field is enabled.

Software Package Procedure Task

Specifies the software procedure task types. The task types are as follows:

- INSTALL
- UNINSTALL
- CONFIGURE
- ACTIVATE

Software Package Procedure Type Supplied

Ensures that the Software Package Procedure Type" field is enabled.

Software Package Procedure Type

Specifies the types of software package procedures.

Contains the following options:

- SIP
- CMDFILE
- EXEFILE
- SWDET
- MSI
- SXP
- PKG
- PIF
- IPS
- PALM
- WINCE

Default: EXEFILE

Comment Supplied

Ensures that the "Comment" field is enabled.

Comment

Specifies the comments.

User Selectable Supplied

Ensures that the "User Selectable" field is enabled.

User Selectable

Specifies whether the procedure is allowed to be included in the Software Delivery Catalog.

External Procedure Supplied

Ensures that the "External Procedure" field is enabled.

External Procedure

Specifies whether the procedure is external to SD or not.

Operating System Type Supplied

Ensures that the "Operating System Type" field is enabled.

Operating System Type

Specifies the operating system types.

Default: SDAPI_OS_ANY

Note: For more information on the Operating System Type, see the Operating System Type table in [Get Deployment Packages](#) (see page 44) .

Sub Path Supplied

Ensures that the "Sub Path" field is enabled.

Sub Path

Defines the procedure path within the volume.

Proc To Run Supplied

Ensures that "Proc To Run" field is enabled.

Proc To Run

Specifies the procedure command to run.

Parameters Supplied

Ensures that the "Parameters" field is enabled.

Parameters

Specifies the input parameters for the procedure.

Software Package Volume Name Supplied

Ensures that the "Software Package Id" and "software Package Volume Name" fields are enabled.

Software Package Id

Specifies the UUID of the software package. This field is enabled only when " Software Package Volume Name Supplied" flag is set to true.

Software Package Volume Name

Specifies the software package volume name to which the procedure is associated with. This field is enabled only when the " Software Package Volume Name Supplied" flag is set to true.

Operation Mask Supplied

Ensures that the "Operation Mask" field is enabled.

Operation Mask

Specifies a series of flags that indicate options for the operation of a software package procedure.

Contains the following multiple options:

offline

Execute procedure offline from the Scalability Server

prompt

Display a message on the target computer before the job starts

calendarControl

Control the execution by the job execution calendar defined for this target agent.

shield

Prevent user from being logged-on while the job executes.

lock

This option is obsolete.

noPromptCancel

Allows user to cancel a "prompt user" job

background

This option is obsolete.

rerun

Run the activate/configure job every time the software policy is Evaluated.

permActArea

This option is obsolete.

execPromptTimeout

Job will execute if prompt timeout expires (not set - job is postponed)

resolveQueryGroups

Resolve the target groups before the job is set up

autoDeliverItem

Store the package in the Scalability Server Library

defaultItemProc

This is the default procedure for this package with the task defined for this procedure.

renewFailedOnly

Only failed jobs can be renewed.

Boot Before Mask Supplied

Ensures that the "Boot Before Mask" field is enabled.

Boot Before Mask

Specifies the reboot options for a software package procedure.

Default: noReboot

The reboot options are as follows:

- noReboot
Do not reboot the computer before starting the job.
- reboot
Reboot the computer before starting the job.
- logoff
If logoff is set to true the user agent logs off the user and the machine agent logs off all users before the job starts.
- rebootAfterLast
- logoffAfterLast

Boot After Mask Supplied

Ensures that the "Boot After Mask" field is enabled.

Boot After Mask

Specifies the reboot options for a software package procedure.

Default: noReboot

The options are as follows:

- noReboot
Do not reboot the computer before starting the job
- reboot
Reboot the computer before starting the job
- logoff
If logoff is set to true the user agent logs off the user and the machine agent logs off all users before the job starts
- rebootAfterLast
- logoffAfterLast

Dependency Query Name Supplied

Ensures that the "Dependency Query Name" field is enabled.

Dependency Query Name

Specifies the name of the query (If a prerequisite is defined for the procedure) that checks to see if the condition is completed.

Management Type Mask Supplied

Ensures that the "Management Type Mask" field is enabled.

Management Type Mask

Specifies whether the requested software package for the procedure is allowed to run on Software Managed software targets.

Default: SD

The types are as follows:

- sd
executes by the ordinary sd agent
- sm
executes by the agent that handles packages created by CA Software Management Packager.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

None.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Set Software Package Procedure Group Operator

The Set Software Package Procedure Group Operator updates the properties of a software package procedure group.



Operator Input Parameters

Set Software Package Procedure Group

Software Package Procedure Group Id

Specifies the UUID of the software package procedure (required).

Name Supplied

Ensures that the "Name" field is enabled.

Name

Specifies the name of the software package procedure.

Comment Supplied

Ensures that the "Comment" field is enabled.

Comment

Specifies the comments.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

None.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Scan Package on Target Computers Operator

The Scan Package on Target Computers Operator performs a scan of the target computers for deployment of a package.

Note: The Scan Package on Target Computers Operator is not supported on CA IT Client Manager R11.



Operator Input Parameters

Scan Package on Target Computers

Job Name

Specifies the job name that is assigned to the scan operation and the subsequent deploy (required).

Scan Parameters

Target Machines Supplied

Ensures that the Target Machine field is enabled.

Array Of Target Machines

Specifies the names or IP addresses of the target machines to scanned. The value cannot be combined with IP address range (start IP and end IP), domain name, query name, and URI options.

Domain Name supplied

Ensures that the Domain Name field is enabled.

Domain Name

Specifies the domain name.

Start IPAddress Supplied

Ensures that the Start IP Address field is enabled.

Start IPAddress

Specifies the starting IP address of the IP address range.

End IPAddress Supplied

Ensures that the End IP Address field is enabled.

End IPAddress

Specifies the End IP address of Range when you provide the Start IPAddress.

Query Name Supplied

Ensures that the Query Name field is enabled.

Query Name

Specifies the query name.

URI Supplied

Ensures that the URI field is enabled.

URI

Specifies the URI to specify the machines on which the scan is to take place.

Deployment Package From SS Supplied

Ensures that the Deployment Package From SS flag is provided.

Deployment Package From SS

Specifies the packages are transferred from a scalability server for eventual deployment when set to true.

Scan Stage Packages Supplied

Ensures that the Scan Stage Packages is provided.

Scan Stage Packages

Specifies the packages staged on scalability server to be scanned instead of the deployed ones when set to true.

Scan Package Information

Product Name

Specifies the product name (required).

Package Name

Specifies the package name for a scan (required).

Package Version Supplied

Ensures that the package version is provided.

Package Version

Specifies the package version.

Platform Supplied

Ensures that the platform is supplied.

Platform

Specifies the package platform.

Language Supplied

Ensures that the language is provided.

Language

Specifies the language of the package for a scan.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters

ITCM Session ID

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

Job Id

Returns a Job Id assigned for the scan operation.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Get Unit Group Operator

The Get Unit Group Operator retrieves a unit group identified by its UUID.



Operator Input Parameters

Get Unit Group

System Group

Select System Group to retrieve from System Unit Group. This checkbox is selected by default.

User Defined Group

Select User Defined Group to retrieve from User Defined Unit Group.

Note: The user can select either the System Group or the User Defined Group.

Group Name

Specifies the system or user-defined group to retrieve the UUID (required).

Unit Group Properties Required

Specifies which unit group properties to retrieve (required).

Contains the following properties:

Group UUID

Specifies the UUID identifying the unit group.

Domain UUID

Specifies the UUID identifying the CA IT Client Manager domain for the given group.

Group Label

Specifies the name of the unit group.

Group Inheritance

Indicates the nature of the inheritance of permissions for members of the group.

Group System

Indicates whether the group is a CA IT Client Manager system group; for example, a value of 1 indicates that the group is user-defined and not a system group. A value of 100 or more indicates that the group is a special predefined system group.

The possible values are:

- Unclassified System Group = 0,
- User-Defined Group = 1 (Indicates that the group was defined by a CA IT Client Manager user and is not a system group)
- Directory Group = 2 (Indicates that this is not a system group, but is a group that maps to a group in an external configured directory.)
- All Computers(\$AllComputer) = 100
- All User Profiles(\$AllUsers) = 101
- All User Accounts(\$AllComputerUsers) = 102
- All Computer User Groups(\$AllComputerUserGroups) = 103
- All Domains(\$AllDomains) = 104
- All Queries(\$AllQueries) = 105
- All Jobs(\$AllJobs) = 106
- All Event Logs(\$AllEventLogs) = 107
- All Servers(\$AllServers) = 108
- All Server Groups(\$AllServerGroups) = 109
- All Domain Groups(\$AllDomainGroups) = 110

Group Flag

Indicates whether the group is local or global.

Evaluation UUID

Specifies a UUID that is not supplied if the group is static, but if the group is dynamically populated, the evaluationUUID is the UUID of the engine that evaluates the query associated with this group.

Evaluation Frequency

Specifies the time (in seconds) between each re-evaluation of the query that governs the group's members.

Last Evaluation Date Time

The last time at which the members of the group were evaluated.

Query UUID

The UUID identifying the query on which basis units are defined as members of this group.

Member Type

A numeric value that indicates the type of members that the group may contain. This is one of the following:

Asset Group = 1

The group can contain AssetGrps, Computers, Users, and Computer users.

Domain Group = 4

The group can contain Domains and Domain groups.

Query Group = 6

The group can contain Queries and Query groups.

Server Group= 7

The group can contain Server groups, and Servers.

Job Group = 8

The group can contain Jobs and Job Groups.

Event Group = 9

The group can contain event log objects.

Directory Group = 10

The group can contain directory objects.

Values between 100 and 200 represent URC-specific groups.

Values between 300 and 400 represent USD-specific groups.

Software Group = 300

The group can contain Software definitions.

Procedure Group = 301

The group can contain Software procedures.

Group Description

Describes the unit group.

Security Group

Indicates if the unit group is a security group.

Query Label

Specifies the display name or description of the query associated with this unit group.

Query Type

Specifies the type of the query that defines the members of this unit group. The type indicates on which database tables the query is based.

Engine Label

Specifies the display name of the engine responsible for evaluating the members of this group.

Engine Hostname

Specifies the host name of the engine responsible for evaluating the members of this group.

Engine Description

Specifies the description of the engine responsible for evaluating the members of this group.

Creation User Account

Specifies the name of the user account that created the unit group.

Creation Date

Specifies the date and time on which the unit group was created.

Last Updated User Account

Specifies the name of the user account that last updated the group's properties.

Last Updated Date

Specifies the date and time on which the unit group's properties were last updated.

Group Version Number

Specifies the version number of the group's record. A version number is incremented each time a record is updated.

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:\\<hostname>\<username>
- On UNIX: unixl://< hostname >/<username>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters**ITCM Session ID**

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs**Operator Results****GetUnitGroupReturn**

Returns the unit group properties.

Operator Ports**Success**

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Get Unit ID Operator

The Get Unit ID Operator retrieves a unit group identified by its UUID.



Operator Input Parameters

Get Unit ID

Unit Group ID

Specifies the Unit Group ID (required).

Unit Property

Specifies the unit properties from user accounts, user profiles, and computers.

If you provide a value in the "Unit Property" field (for example, "UNIT-COMPUTER-LABEL"), then you must also provide the label name of the unit you want to retrieve in the "Search String" field; otherwise it retrieves all units.

This field is mandatory if unitProperty is set to one of the following values:

UNIT_USERACCOUNT_UUID
UNIT_USERACCOUNT_NAME
UNIT_USERACCOUNT_URI
UNIT_USERACCOUNT_LABEL
UNIT_USERACCOUNT_DOMAIN_UUID
UNIT_USERACCOUNT_DOMAIN_LABEL
UNIT_USERACCOUNT_CREATION_USER
UNIT_USERACCOUNT_LAST_UPDATED_USER
UNIT_COMPUTER_UUID
UNIT_COMPUTER_LABEL
UNIT_COMPUTER_DOMAIN_UUID
UNIT_COMPUTER_PRIMARY_NETWORK_ADDRESS
UNIT_COMPUTER_HOST_UUID
UNIT_COMPUTER_ASSET_SOURCE_UUID
UNIT_COMPUTER_HOST_NAME
UNIT_COMPUTER_SERIAL_NUMBER
UNIT_COMPUTER_DISC_SERIAL_NUMBER
UNIT_COMPUTER_PRIMARY_MAC_ADDRESS
UNIT_COMPUTER_ASSET_TAG
UNIT_COMPUTER_URI
UNIT_COMPUTER_SYSTEM_ID
UNIT_COMPUTER_VENDOR_NAME
UNIT_COMPUTER_DOMAIN_LABEL
UNIT_COMPUTER_CREATION_USER
UNIT_COMPUTER_LAST_UPDATED_USER
UNIT_USERPROFILE_UUID
UNIT_USERPROFILE_LABEL
UNIT_USERPROFILE_CREATION_USER
UNIT_USERPROFILE_LAST_UPDATED_USER

Search String

Specifies the search string.

Search Value

If the property to search on is a numeric property, this parameter specifies the value of the search filter to be applied. This field is mandatory if unitProperty is set to one of the following values:

- UNIT_USERACCOUNT_USAGE_LIST
- UNIT_USERACCOUNT_CREATION_DATE
- UNIT_USERACCOUNT_LAST_UPDATED_DATE
- UNIT_USERACCOUNT_VERSION_NUMBER
- UNIT_COMPUTER_CLASSID
- UNIT_COMPUTER_USAGE_LIST
- UNIT_COMPUTER_CREATION_DATE
- UNIT_COMPUTER_LAST_UPDATED_DATE
- UNIT_COMPUTER_VERSION_NUMBER
- UNIT_USERPROFILE_REFERENCE_COUNT
- UNIT_USERPROFILE_USAGE_LIST
- UNIT_USERPROFILE_CREATION_DATE
- UNIT_USERPROFILE_LAST_UPDATED_DATE
- UNIT_USERPROFILE_VERSION_NUMBER

Number Of Units

Specifies the total number of units to retrieve from the list (required). If the "Number Of Units" supplied exceeds the total number of units, then the Operator internally replaces the "number of units" with the "total number of units".

CA IT Client Manager Server Login Parameters

Service URL

Specifies the web service URL. This parameter is required if it has not been specified at the module level.

Username

Specifies the name of a valid user account that has the permission to authenticate with the CA IT Client Manager in the following format:

- On Windows: winnt:*hostname**username*>
- On UNIX: unix://< *hostname* >/<*username*>

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default ITCM User" has not been specified at the module level.

Password

Specifies the user password that corresponds to the given user name. This parameter is required if it has not been specified at the module level.

This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default User's Password" has not been specified at the module level.

Hostname

Specifies the host name of the CA IT Client Manager to which the Operator should attempt to connect. This parameter is required if one of the following conditions hold true:

- The parameter "ITCM Session ID" has not been specified at the Operator level.
- The parameter "Default Host Name" has not been specified at the module level.

CA IT Client Manager Session Parameters**ITCM Session ID**

Specifies the CA IT Client Manager Session ID. The Operator uses the CA IT Client Manager Session ID instead of creating an ID using the CA IT Client Manager server login parameters. This parameter is required if the CA IT Client Manager server login Username, Password, and Hostname are not provided both at the module level and at the Operator level.

Operator Outputs

Operator Results

Array Of Unit Properties

Returns an array of Unit Properties - one for each unit requested from the list.

If the number of units supplied exceeds the total number of units, two additional parameters/variables appears.

Warning

Displays the text message "Number of units provided exceeds the total number of available units".

TotalNoOfUnits

Displays the total number of available units.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

ITCM Base Interface Operator

The ITCM Base Interface Operator lets you access all CA IT Client Manager web services.

Note: In the Base Operator the ITCM User ID, Password, and Hostname fields are not applicable in case of "Login" and "Logout" web service calls. These fields are applicable for other web services. In other web services, you will find a <sessionId> element. If you provide a value for the session Id, then this Operator will use the session Id value, otherwise it will create the ITCM session using the ITCM User ID, Password, and Hostname.



Operator Input Parameters

ITCM Base Interface

WZDL Wizard

Allows the user to select the SOAP methods.

ITCM URL

Specifies the URL of the CA IT Client Manager web service.

ITCM Method

Specifies the name of the CA IT Client Manager method to invoke.

ITCM User ID

Specifies the user ID.

Password

Specifies the user password.

Hostname

Specifies the CA IT Client Manager host name.

Input Source

Specifies the source for the web service input request data.

The options are:

Inline Text

Defines the SOAP request.

Preformatted SOAP File

Defines that the specified file is used as an input.

Expression

Defines that the content of an expression is used for an input.

Inline Text

Specifies an Inline Text source.

Preformatted Filename

Specifies path to the preformatted CA IT Client Manager web service request file on the Touchpoint host.

Expression

Specifies the expression.

Save Request File

Specifies a file to save the outbound web service request (for debugging purposes).

Dynamic Parameters

Parameter style

Specifies a method to update values in the web service request.

The SOAP Module supports two mechanisms to do this at run time:

Macro Expansions

Specifies that macros are used in the Parameter list to update values in a SOAP request.

XPath Assignments

Specifies that XPath expressions are used in the Parameter list to update values in a SOAP request.

Parameters list

Specifies the unique data entries within the SOAP request. Click the Add button to add a parameter, the Edit button to edit the currently selected parameter, or the Delete button to delete the currently selected parameter. It is a best practice to add the parameters in the same order that they are specified by the WSDL for the SOAP call.

In the Parameters List dialog you can set the following parameter values:

Macro name/XPath query

Specifies the name of the macro or the XPath query. If it is the name of a macro, then the macro name will be substituted by the value. If it is an XPath query, then the node returned by the query will be updated with the value.

Value

Returns a run-time value for the parameter.

Type

Specifies one of the following data types for the parameter:

- String Value
- Integer Value
- XML Fragment

Call Results**Response Save File**

Specifies the path for the web server response file returned by the remote web service.

Extract SOAP response body first-level elements to individual Dataset variables

Ensures that the SOAP first-level elements are extracted to individual Dataset variables.

Extract SOAP response body to Dataset variable

Ensures that the SOAP response body part is saved in a Dataset Variable.

Additional extracted data

Specifies XPath expressions to extract data from the body of the SOAP response. For each expression specified here, state a Dataset variable to which the extracted data and data type would be stored. Click the Add button to add an expression, the Edit button to edit a selected existing expression, or the Delete button to delete a selected expression. The ordering of the expressions has no significance to CA IT PAM.

You can edit the following parameter settings:

XPath Expression

Specifies the XPath expression that selects the desired information.

Dataset variable

Specifies the variable name that stores the result.

Type

Specifies the variable type. Select one of the following currently supported types:

- Integer
- String
- Integer Array
- String Array
- XML Fragment
- XML Fragment Array

Operator Outputs

Operator Results

SOAPResponseBody

Returns the Response XML.

SOAPResponseData

Returns the SOAP response in a dataset variable.

Note: These results would appear only if the Extract Soap Response check box in the Call Results section is selected.

Operator Ports

Success

Indicates that the Operator executed successfully; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

SOAP response Data

Stores the SOAP response in the respective dataset variables.

Failure

Indicates that the Operator execution failed; the following parameters are displayed:

SOAP Response Body

Stores the complete SOAP response XML.

Fault Message

Contains the fault code and fault string.

Chapter 4: Troubleshooting

This section contains the following topics:

- [A CA IT Client Manager Module Operator Fails during Execution of a Process](#) (see page 189)
- [Cannot Connect via CA IT Client Manager Operators](#) (see page 193)
- [Problem Retrieving Service URL Field \(ITCM1000\)](#) (see page 194)
- [Problem Retrieving Username Field \(ITCM1001\)](#) (see page 194)
- [Problem Retrieving Password Field \(ITCM1002\)](#) (see page 194)
- [Problem Retrieving Hostname Field \(ITCM1003\)](#) (see page 195)
- [Failed to create ITCM Session \(ITCM1004\)](#) (see page 195)
- [Failed to Retrieve List Handle \(ITCM1005\)](#) (see page 196)
- [Failed to Identify Group Type \(ITCM1006\)](#) (see page 196)
- [Problem Retrieving the List of Units \(ITCM1007\)](#) (see page 197)
- [Parent Software Package Group does not exist \(ITCM1008\)](#) (see page 197)
- [Failed to Retrieve the Query ID of the Query Name \(ITCM1011\)](#) (see page 198)
- [Failed to Retrieve the UUID of the Group Name \(ITCM1011\)](#) (see page 198)
- [ITCM related error messages](#) (see page 199)

A CA IT Client Manager Module Operator Fails during Execution of a Process

Valid on Windows

Symptom:

The CA IT Client Manager module Operator fails during execution of a process.

Solution: 1

Verify that the CA IT PAM server service is running:

1. Open the Start menu, and click Programs, Administrative Tools, and Services.
2. Check if the CA IT PAM Server service is running.

If the service has stopped, restart it.

Note: After you reboot your machine, you may need to restart the service.

Solution: 2

Verify that the CA IT Client Manager application is running:

1. Open the Start menu, and click, Programs, Administrative Tools, and Services.
2. Verify that the CA IT Client Manager application is running.
If the service has stopped, restart it.

After you reboot your machine, you may need to restart the service.

Notes:

- You can open the CA IT Client Manager DSM explorer if the CA IT Client Manager application is running.
- You can log in successfully to the CA IT Client Manager DSM Web Console.
 - On your initial connection to the CA IT Client Manager Web Console, a login dialog appears.
 - Enter your valid credentials and click Log In.

Solution: 3

Verify that CA IT PAM is installed properly and you have the proper access rights.

1. Verify that you have privileges to run the CA IT PAM Orchestrator and Agents.

For more information about installation and configuration, see the Windows Service Account Prerequisites chapter in the *CA IT PAM Installation and Configuration Guide*.

2. Verify that the CA IT PAM database system is running properly:

- a. Open a command prompt window, run the following commands:

- For a Microsoft SQL Server database system use sqlcmd command to test the connection to the database:

```
sqlcmd -S <machine name> -U <itpamuser> -P <itpampwd> -d itpam
```

where <itpamuser> and <itpampwd> are the CA IT PAM database user and password.

- For an Oracle database, use SQL Plus to test the connection to the database from a command prompt:

```
sqlplus <username>[/<password>] @connect_identifier
```

where @connect_identifier consists of an Oracle Net connect identifier. The machine information where Oracle is installed is contained in the @connect_identifier. The exact syntax depends upon the Oracle Net communications protocol your Oracle installation uses. For more information about Oracle database, refer to the Oracle documentation appropriate for your protocol or contact your database administrator.

- For a MySQL Server database, test the database connection from a command prompt:

```
mysql -h<hostname> -u<username> -p<password>
```

- b. After connecting successfully to the CA IT PAM database, run a SQL query, for example:

```
Select * from SOAPClientCall  
go
```

If you are able to connect to the CA IT PAM database, and the previous statements execute successfully, then the database system is running properly; otherwise, verify the database login user name and password and retry. If the database login user name and password are correct, then there may be a problem with the database system.

Decrease the logging level for Orchestrators and Agents to WARNING or INFO to get more information about the error. Debug the Orchestrator issues using c2o.log and boot.log here: `<server_install_path>\server\c2o\log`.

- boot.log contains all messages logged by core components (for example, JBoss) before CA IT PAM starts execution.
- c2o.log contains all messages logged by all components after CA IT PAM starts execution.

Use the main log file (c2o.log) that contains messages from all the components to debug Agent issues. The c2o.log is located here: `<agent_install_path>\log`. To get more information logs, do the following:

- Decrease the default logging level for Agent in log4j.xml.

This file is located here:

`<agent_install_path>\c2orepository\.c2oagentresources\properties`.

FILE and CONSOLE are the logging categories and are set by default to level ERROR. For more information for a category, do the following:

- Change the "threshold" parameter for the required category and decrease the level from ERROR to WARN, or INFO.
- Change the "root" category to include the required categories and set the log level to the lowest level specified in any category.
- Decrease the default logging level for Orchestrator in log4j.xml. This XML file is located here: `<orchestrator_install_path>\server\c2o\conf` location.

Similarly, you can change the Agent logging server, C2OFILE, and CONSOLE logging categories to obtain more log information.

Solution: 4

Verify the CA IT Client Manager Operator connection parameters. The parameters could be incorrectly set, thus causing the failure of the CA IT Client Manager Operator.

Solution: 5

Verify the URL specified for the Operator. Specifying the wrong web service URL can lead to XML parsing errors.

Solution: 6

Check the Execution Settings and specify a valid Touchpoint in the Target section.

Cannot Connect via CA IT Client Manager Operators

Symptom:

The following error messages occur when I try to connect via a CA IT Client Manager Operator:

- java.security.PrivilegedActionException:
com.sun.xml.messaging.saaj.SOAPEXceptionImpl: Message send failed
- invalid login name
- invalid login password

Solution:

The CA IT Client Manager Operator parameters could be set incorrectly. Verify the CA IT Client Manager connection parameters.

To validate the CA IT Client Manager web service URL

1. Open a web browser and navigate to the CA IT Client Manager web service URL. The CA IT Client Manager web service URL has the following format:
http://<servername>/UDSM_R11_WebService/help/.

To check the credentials passed in connection parameters

1. From the Windows desktop, click Start, Programs, CA, IT Client Manager, DSM Web Console.
A login page appears.
2. Enter the "manager name", "user name", "password", "windows domain", and "security provider" fields.
If the credentials are incorrect, the login will fail.

Problem Retrieving Service URL Field (ITCM1000)

Symptom:

A CA IT Client Manager Operator fails to execute with the fault string "Problem in retrieving Service URL field" and fault code "ITCM1000".

Solution:

The CA IT Client Manager web service URL is not specified correctly at the Operator level or the module level. Provide the correct web service URL. Note that the Operator level parameters override module level parameters.

Problem Retrieving Username Field (ITCM1001)

Symptom:

A CA IT Client Manager Operator fails to execute with the fault string "Problem in retrieving Username field" and fault code "ITCM1001".

Solution:

The user name is not specified correctly at the Operator level or the module level. Provide the correct user name. Note that Operator level parameters override module level. The format for the user name is as follows:

- Windows format: winnt:\\<hostname>\<username>
- Unix format: unix!://<hostname>/<username>

Problem Retrieving Password Field (ITCM1002)

Symptom:

A CA IT Client Manager Operator fails to execute with the fault string "Problem in retrieving Password field" and fault code "ITCM1002".

Solution

The password is not specified correctly at the Operator level or the module level. Provide the correct password. Note that Operator level parameters override module level parameters.

Problem Retrieving Hostname Field (ITCM1003)

Symptom:

A CA IT Client Manager Operator fails to execute with the fault string "Problem in retrieving Hostname field" and fault code "ITCM1003".

Solution:

The host name is not specified correctly at the Operator level or the module level. Provide the correct host name. Note that Operator level parameters override module level parameters.

Failed to create ITCM Session (ITCM1004)

Symptom:

A CA IT Client Manager Operator fails to execute with the fault string "Failed to create ITCM Session" and fault code "ITCM1004".

Solution: 1

The CA IT Client Manager server login credentials (web service URL, username, hostname or password) are not specified correctly at the Operator level or the module level properties. Provide the correct credentials. Note that the Operator level parameters override module level parameters.

Solution: 2

The parameter "ITCM Session ID" on the "ITCM Session" palette is not valid for the Operator. Provide the valid session ID.

Failed to Retrieve List Handle (ITCM1005)

Symptom:

One of the following Operators failed to execute with the fault string "failed to retrieve List Handle" and fault code "ITCM1005":

- Get Software Package Group
- Get Software Package Installations
- Get Software Package Procedures
- Get Software Packages

Solution

One of the parameters is not specified correctly for the Operator and the Operator failed to retrieve the list handle. Provide the correct parameters.

Failed to Identify Group Type (ITCM1006)

Symptom:

The Get Unit Group Operator failed to execute with the fault string "failed to identify group type" and fault code "ITCM1006".

Solution

Turn on the System Group or User Defined Group check box; one of these check boxes must be selected in order for the Get Unit Group Operator to execute successfully.

Problem Retrieving the List of Units (ITCM1007)

Symptom:

One of the following CA IT Client Manager Operators failed to execute with the fault string "Problem in retrieving the list of units" and fault code "ITCM1007":

- Get Unit Group
- Get Unit ID

Solution:

One or more parameters are not specified correctly and the Operator failed to retrieve the unit list handle. Provide the correct parameters correctly to fix this error.

Parent Software Package Group does not exist (ITCM1008)

Symptom:

One of the following CA IT Client Manager Operators failed to execute with the fault string "Parent Software Package Group does not exist" and fault code "ITCM1008":

- Find Software Package Group
- Find Software Package Procedure Group

Solution: 1

The parameter Parent Software Package Group Name does not exist for the Find Software Package Group Operator. Provide the valid parameter.

Solution: 2

The parameter Parent Software Package Procedure Group Name does not exist for the Find Software Package Procedure Group Operator. Provide the valid parameter.

Failed to Retrieve the Query ID of the Query Name (ITCM1011)

Symptom:

One of the following CA IT Client Manager Operators failed to execute with the fault string "failed to retrieve the query ID of the Query Name" and fault code "ITCM1011":

- Create Software Package Procedure
- Set Software Package Procedure

Solution: 1

The parameter Dependency Query Name is invalid for the Create Software Package Procedure Operator. Provide the valid name.

Solution: 2

The parameter Dependency Query Name is invalid for the Set Software Package Procedure Operator. Provide the valid name.

Failed to Retrieve the UUID of the Group Name (ITCM1011)

Symptom:

The CA IT Client Manager Get Unit Group Operator failed to execute with the fault string "failed to retrieve the UUID of the Group Name" and fault code "ITCM1011".

Solution

The parameter Group Name is invalid for the Get Unit Group Operator. Provide the valid name.

ITCM related error messages

ITCM web service error messages:

For information related to CA IT Client Manager web service error messages (Fault Code and Fault String), go to the following URL:

- Windows: http://<server-name>/UDSM_R11_WebService/help/
- Linux: http://<server-name>/UDSM_R11_WebService/help

where “<server-name>” is the name of the machine where the CA IT Client Manager server is running.

A CA IT Client Manager web services reference guide opens. Click Web Service Messages to view a list of all CA IT Client Manager web service-related error messages.

ITCM component error messages:

For a complete list of error messages related to CA IT Client Manager components, refer to the CA IT Client Manager Message Help.

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