Service Manager API

package com.cisco.vnm.common.api

public interface ServiceManager extends Remote

This interface provides methods for inventory and provisioning.

Public Data Structures and Types

static final String BEST_EFFORT

Usage:
static final String BEST_EFFORT;

static final String ATOMIC

Usage:
static final String ATOMIC;

static final short CREATE

Usage:
static final short CREATE;

static final short MODIFY

Usage:
static final short MODIFY;
static final short DELETE

Usage:
static final short DELETE;

Public Methods

setSessionContext()

Initiate the session context, taking input from properties. One use, for example, is to pass user/password, token, or cookie for authentication and authorization.

Usage:
public void setSessionContext(Properties prop) throws RemoteException, ServiceMgrException;

queryContained()

Retrieve an object and all the children in its containment hierarchy.

Usage:
public InventoryQueryResult queryContained(String base_obj_id, short scope,
   String obj_class,
   // if empty matches all String attr_value) throws RemoteException, ServiceMgrException;

Description:
Returns a list of objects encoded in an XML string (defined as QueryResult in an XML DTD).

- **base_obj_id**—specify the base object (root) to start the query; if empty, returns the top level objects in the system (that is, root objects); expects an XML string encoded as “ObjId”.
- **scope**—specifies the depth of the containment tree, where 0 refers to the entire containment tree; 1 refers to the base object only, n refers to scope of the nth level (including the base object). Currently supports only these values: 0 = entire containment tree, 1 = base object only, 2 = base object plus first level contained objects.
- **obj_class**—returns only objects whose class matches the one specified; if empty, all objects within the scope are returned.
- **attr_value**—returns only objects whose attribute value matches the one specified; if empty, all objects within the scope are returned; expects an XML string encoded as “Attribute”.

If both **obj_class** and **attr_value** are specified, returns objects that match both criteria (that is, objects of specified type and attribute value).

Parameters:
- **base_obj_id**—a string that specifies the base object.
- **scope**—a short that specifies the depth of the containment tree.
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$obj_class$—a string indicating that only objects whose class matches the class specified should be returned.

$attr_value$—a string indicating that only objects whose attribute value matches the one specified should be returned.

**Returns:**

`InventoryQueryResult` which contains batch of objects, encoded as an XML string.
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