



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 *n*th 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.

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.

■ public interface ServiceManager extends Remote