



## Notes on Using the configConfMo Method

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## Defining a Distinguished Name using the configConfMo Method

The **configConfMo** method is used to configure one or more properties in a Managed Object (MO). The MO to be configured is uniquely identified by a Distinguished Name (DN). This chapter shows two ways to provide a DN using the **configConfMo** method.

### At the Managed Object Level

You can provide a DN at the Managed Object level. In the following example, the DN "sys/rack-unit-1/locator-led" is defined within the "equipmentLocatorLed" MO.

```
<configConfMo
  cookie="<real_cookie>"
  <inConfig>
    <equipmentLocatorLed
      adminState='on'
      dn='sys/rack-unit-1/locator-led'>                                     <== MO level
    </equipmentLocatorLed>
  </inConfig>
</configConfMo>
```

### At the Method and Managed Object Level

You can provide a DN at the Method and Managed Object level. In the following example, the DN "sys/rack-unit-1/locator-led" is defined at the **configConfMo** method level and within the "equipmentLocatorLed" MO.

```
<configConfMo
  cookie="<real_cookie>"
  dn='sys/rack-unit-1/locator-led'>                                     <== Method level
  <inConfig>
    <equipmentLocatorLed
```

```

        adminState='on'
        dn='sys/rack-unit-1/locator-led' > <== MO Level
    </equipmentLocatorLed>
</inConfig>
</configConfMo>

```

**Note**

Specifying a DN at the Method level is optional, and is supported in the Cisco IMC XML API implementation to be consistent with the Cisco UCS Manager XML API implementation.

## Using the Optional inHierarchical Attribute

When a **configConfMo** request is sent to Cisco IMC, the response contains only the immediate properties of the MO being configured.

When the optional **inHierarchical** attribute is included in the **configConfMo** request, the response will be similar to that of the **configResolveDn** request with the **inHierarchical** attribute set to true. The response contains the properties for the MO being configured along with the properties of any children MOs.

Request:

```

<configConfMo
  cookie="<real_cookie>"
  inHierarchical="true"
  dn='sys/rack-unit-1/locator-led'>
  <inConfig>
    <equipmentLocatorLed
      adminState='on'
      dn='sys/rack-unit-1/locator-led'>
    </equipmentLocatorLed>
  </inConfig>
</configConfMo>

```

Response:

```

<configConfMo
  dn="sys/rack-unit-1/locator-led"
  cookie="<real_cookie>"
  response="yes">
  <outConfig>
    <equipmentLocatorLed
      dn="sys/rack-unit-1/locator-led"
      adminState="inactive"
      color="unknown"
      id="1"
      name=""
      operState="on">
    </equipmentLocatorLed>
  </outConfig>
</configConfMo>

```

## Configuring a Single Managed Object

The Cisco IMC XML API implementation accepts only **configConfMo** methods that operate on a single Managed Object (MO). It is invalid to specify a **configConfMo** method that contains multiple MOs even if they are defined in a containment relationship in the Cisco IMC management information model.

The following example shows a valid **configConfMo** method to configure a single MO, "lsbootLan." In this example, the host is configured to use PXE Boot as the first boot option:

```
<configConfMo
  cookie="<real_cookie>"
  <inConfig>
    <lsbootLan                               <== Single MO
      order="1"
      status="modified"
      dn="sys/rack-unit-1/boot-policy/lan" >
    </lsbootLan>
  </inConfig>
</configConfMo>
```

The **configConfMo** method in the following example is invalid because a Parent and Child MOs are specified at the same time. The "equipmentLocatorLed" and "solif" MOs are child objects of the "computeRackUnit" MO in the management information tree. The Cisco IMC XML API implementation does not allow a **configConfMo** method to perform subtree configurations.

Request:

```
<configConfMo
  cookie="1313084260/40ea8058-aa3e-1a3e-8004-5e61c2e14388"
  dn="sys/rack-unit-1" inHierarchical="false">
  <inConfig>
    <computeRackUnit                          <== Parent MO
      adminPower="cycle-immediate"
      usrLbl="Cisco C210 Server"
      dn="sys/rack-unit-1">
      <equipmentLocatorLed                    <== Child MO
        adminState="on"
        dn="sys/rack-unit-1/locator-led"/>
      <solif                                   <== Child MO
        dn="sys/rack-unit-1/solif"
        adminState="enable"
        speed="9600"/>
    </computeRackUnit>
  </inConfig>
</configConfMo>
```

Response:

XML PARSING ERROR: Element 'equipmentLocatorLed': This element is not expected.



**Note**

This method is valid in the Cisco UCS Manager XML API implementation but is not supported in the Cisco IMC XML API implementation.

