



CHAPTER 10

Directory Manager



Note

Directory Manager can be accessed only when operating in Internal Directory mode.

To access Directory management tasks, log into the system (see “[Logging In](#)” section on page 2-1). Then, from the Home page, click the **Tools** tab. The Tools page appears.

From the Tools page, click **Directory Mgr.**

With the directory manager you can:

- Edit the schema
- Import a schema from an XML file

Editing Schema

Step 1 From the Directory Manager page, click **Edit Schema**.

The schema editor appears (see [Figure 10-1](#)).

Figure 10-1 **Schema Editor**

Schema Editor

Name of class to which attribute belongs	IOSConfigClass
Name of the attribute	<input type="text"/>
Unique ID for this attribute	1.2.840.113548.3.1.2.3001

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Step 2 Enter the name of the new attribute.

Table 10-1 shows valid values for these fields.

Table 10-1 Valid Values for Schema Editor

Attribute	Description	Valid Values
Name of the attribute	Name of the attribute	a-z A-Z 0-9 -(hyphen) _ (under-score) (period)
Unique ID for this attribute	Unique ID for this attribute	a-z A-Z 0-9 -(hyphen) _ (under-score) (period)

Step 3 Accept or modify the **Unique ID** for this attribute.

Step 4 To clear your entries, click **Reset**.

Step 5 To add this attribute to the schema, click **Add Entry**.

Importing Schema

You can import a schema accessible from your computer. However, the file must be in XML format and conform to the definitions specified in the document type definition (DTD) file shown here:

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- DTD for DAML -->
<!-- Last updated: 2006-01-18 -->
<!ELEMENT attribute EMPTY>
<!ATTLIST attribute
ref CDATA #REQUIRED
required CDATA #REQUIRED
>
<!ELEMENT attribute-type (name, object-identifier, syntax)>
<!ATTLIST attribute-type
id CDATA #REQUIRED
single-value CDATA #REQUIRED
obsolete CDATA #REQUIRED
user-modification CDATA #REQUIRED
>
<!ELEMENT class (name, object-identifier, attribute)>
<!ATTLIST class
id CDATA #REQUIRED
superior CDATA #REQUIRED
type CDATA #REQUIRED
obsolete CDATA #REQUIRED
>
<!ELEMENT directory-schema (attribute-type, class)>
<!ELEMENT dsml (directory-schema)>
```

```

<!ATTLIST dsml
complete CDATA #REQUIRED
>
<!ELEMENT name (#PCDATA)>
<!ELEMENT object-identifier (#PCDATA)>
<!ELEMENT syntax (#PCDATA)>
>

```

Example

For example, a valid schema would look like:

```

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE dsml SYSTEM "dsml.dtd">
<dsml complete="true">
  <directory-schema>
    <attribute-type id="IOSelipaddress" single-value="true" obsolete="false"
user-modification="true">
      <name>IOSelipaddress</name>
      <object-identifier>1.2.840.113548.3.1.2.20</object-identifier>
      <syntax>1.3.6.1.4.1.1466.115.121.1.15</syntax>
    </attribute-type>
    <class id="IOSConfigClass" superior="top" type="structural" obsolete="false">
      <name>IOSConfigClass</name>
      <object-identifier>1.2.840.113548.3.2.2.1</object-identifier>
      <attribute ref="1.2.840.113548.3.1.2.20" required="false"/>
    </class>
  </directory-schema>
</dsml>

```

Step 1 From the Directory Manager page, click **Import Schema**.

The import schema dialog box appears (see [Figure 10-2](#)).

Figure 10-2 Import Schema

Import Schema

Schema Filename

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Step 2 Enter the filename of the schema you want to import in the **Schema Filename** field.

[Table 10-2](#) shows valid values for these fields.

Table 10-2 Valid Values for Import Schema

Attribute	Description	Valid Values
Schema Filename	Name of schema file to import.	a-z A-Z 0-9 -(hyphen) _(under-score) .(period)

Use the browse function to locate the file, if needed.

Step 3 To clear your entries, click **Reset**.

Step 4 To import the file, click **Import**.
