

Problem

How can I have proprietary data ("custom config") for my component?

Solution

Q: My component needs some configuration. Instead of using environment variables, or config files on disk, I want to put the information into the CDB.

The CDB is certainly the natural place to put proprietary information for components. You need to do the following steps.

1. Add a schema to the CDB

Create a schema like the following under `$ACS_CDB/CDB/schemas/MYCOMP_CONFIG.xsd`

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema
  targetNamespace="urn:schemas-cosylab-com:MYCOMP_CONFIG:1.0"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns="urn:schemas-cosylab-com:MYCOMP_CONFIG:1.0"
  xmlns:cdb="urn:schemas-cosylab-com:CDB:1.0">

  <xs:import namespace="urn:schemas-cosylab-com:CDB:1.0" schemaLocation="CDB.xsd"/>

  <xs:complexType name="MYCOMP_CONFIG">
    <xs:attribute name="fileDir" type="xs:string" use="required" />
    <xs:attribute name="nLogs" type="xs:integer" use="optional" default="20" />
  </xs:complexType>

  <xs:element name="MYCOMP_CONFIG" type="MYCOMP_CONFIG"/>
</xs:schema>
```

2. Add your config to the CDB

Create a file like the following under `$ACS_CDB/CDB/alma/MYCOMP_CONFIG/MYCOMP_CONFIG.xml`

```
<?xml version="1.0" encoding="UTF-8"?>
<MYCOMP_CONFIG xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns="urn:schemas-cosylab-com:MYCOMP_CONFIG:1.0"
  fileDir="/mnt/var"
  nLogs="200"
/>
```

3. Sample code (in Java) to read the custom config:

Use code like this in your component:

```
String mycomp = "MYCOMP";
// or use: String mycomp = containerservices.getName();
DAL dal = containerservices.getCDB();
DAO dao = dal.get_DAO_Servant("alma/" + myname + "_CONFIG");
String fileDir = dao.get_string("fileDir");
short nLogs = (short) dao.get_long("nLogs");
```

Related articles

- [How can more people do development with ACS on the same machine without disturbing each other?](#)
- [Which ports are used by ACS?](#)

- Problems connecting to ACS servers on a remote machine: bad /etc/hosts
- Why does the getComponent method of ZLegacy/ACS.ContainerServices return an object of type None?
- Why are some of my print statements not showing up in the container output section of acscommandcenter?