

Hi,

We are using Oracle eBS and 9i (XML DB not installed), and need to generate XSDs from the client site using SQLPlus. DTDs are currently generated from the client: the SQLPlus script calls a database package that creates a bunch of DTDs from a table that describes all parameters/tags of the XML in a manager-to-employee-nested way. Now, instead of changing the source (1 gazillion lines of code..) to a produce XSD syntax, I guess there is pl/sql-usable XSD factory somewhere. Is XML DB the way to go?

Obviously I cannot convert the current DTDs to XSDs using say, TRANG, as I want to be able to autogenerate some of the richness of XSD.

Thanx in advance.

I'm not sure exactly what the structures needed are. But if you are using Oracle Types (or can create them), XML DB offers a very nice tool to create your schemas on the fly. If your tags and descriptions are stored in a table, you could create your types from that data and then use this method of XSD generation.

I'll use the HR schema in my example. I'm going to create an Employee-based type called EMP_DATA. Here is the command:

```
CREATE OR REPLACE TYPE emp_data
AS OBJECT (
  EMPLOYEE_ID NUMBER(6),
  FIRST_NAME VARCHAR2(20),
  LAST_NAME VARCHAR2(25),
  EMAIL VARCHAR2(25),
  PHONE_NUMBER VARCHAR2(20),
  HIRE_DATE DATE,
  JOB_ID VARCHAR2(10),
  SALARY NUMBER(8,2),
  COMMISSION_PCT NUMBER(2,2),
  MANAGER_ID NUMBER(6),
  DEPARTMENT_ID NUMBER(4)
);
```

I execute that and do a DESC on it:

```
SQL> desc emp_data
Name                Null?    Type
-----
EMPLOYEE_ID         NUMBER(6)
FIRST_NAME          VARCHAR2(20)
LAST_NAME           NOT NULL VARCHAR2(25)
EMAIL               NOT NULL VARCHAR2(25)
PHONE_NUMBER        VARCHAR2(20)
HIRE_DATE           NOT NULL DATE
JOB_ID              NOT NULL VARCHAR2(10)
SALARY              NUMBER(8,2)
COMMISSION_PCT      NUMBER(2,2)
MANAGER_ID          NUMBER(6)
DEPARTMENT_ID       NUMBER(4)
```

And then I run the DBMS_XMLSCHEMA.generateSchema function against it: