

# **XPERANTO: Publishing Object-Relational Data**

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The XPEQP<sup>E</sup> X

```
<simpleType name="string255" source="string"> <max
```

### 3.1 Object-Relational Database Schemas

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It is important to note that using a QGM-like representation does not in any way tie XPERANTO to the DB2 UDB object-relational database system. XPERANTO merely uses an internal representation like QGM in the middleware for the purpose of XML query rewrites and can work on top of any object-relational database system. There are, however, some extensions that need to be made to QGM to make it appropriate for XML query languages. Specifically, means to represent, navigate and construct nested XML elements needs to be added to QGM. XQGM does this by adding an XML type and by supporting new XML-specific functions for navigating (example functions are *GetSubElements*, *GetAttributes*) and constructing (example functions are *CreateElement*, *CreateAttribute*) elements

