XML und (native) Datenbanken – SVG Map Linz

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2010 - Linz

Goals:

- SVG Map of Linz
- To store it in a database
- Simple handle-program to the map

Two way to store the map - choiche

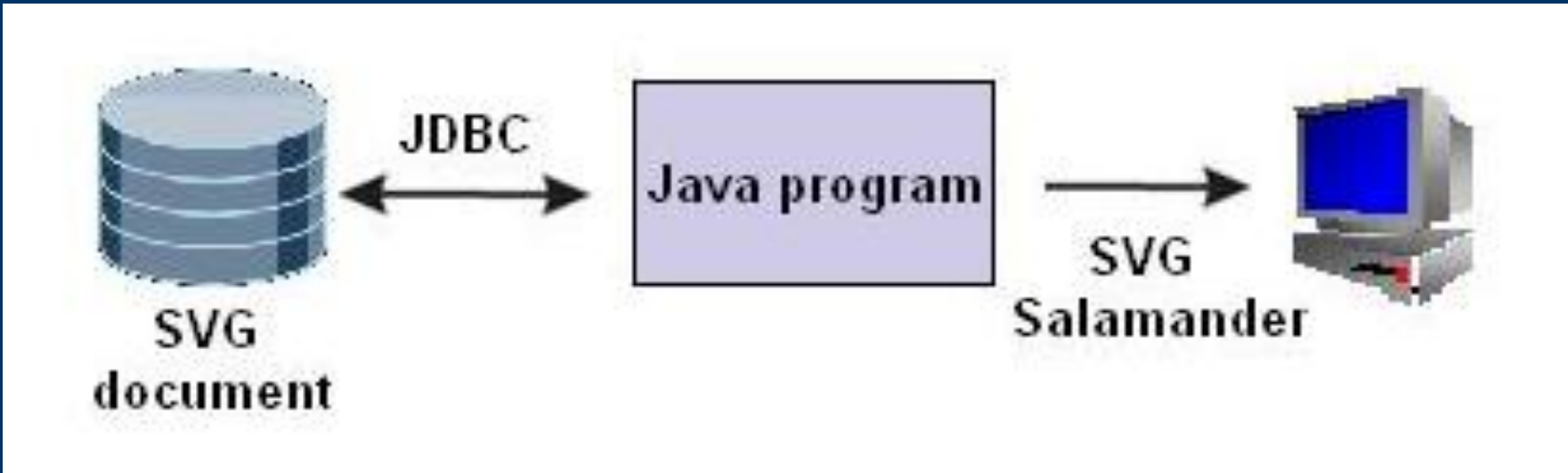
- (Generate with Oracle Spatial)
- Store as XML Type

```
create table SVG_TABLE( id number
                      , data_xml XMLType)
              XmlType data_xml STORE AS CLOB;
```

- The second!? Because:
  - It was available..
  - Easier (just put in and get out)
    - In each row is stored one part of map => simple queries

Used technology:

- Inkscape 0.47 , NotePad++:) and Photoshop CS3
  - to make the SVG map
- Java 1.6
  - for the handle-program
- SVG Salamander
  - SVG engine for Java to display/.. the SVGs documents
- Oracle 10g database
  - store the map in a database (its running at home-university)
- JDBC – Java Database Connectivity
  - access to the database


JDBC
Java program
SVG
Salamander
SVG
document

Experiences:

- Positive:
  - easy to use the SVG Salamander (not only for display)
  - To get to know the JDBC needs time but after usefully
    - s.execute('select x from y;')
  - Not compatible problems
- Negative:
  - „just nervously one”
    - We couldn't upload the „large” SVG documents into database(Oracle 10g) because the maximum number of characters is limited

Thank you :)