

# deegree

## Configuration of a deegree INSPIRE Download Service



deegree

<http://www.lat-lon.de>  
<http://www.deegree.org>

# Agenda

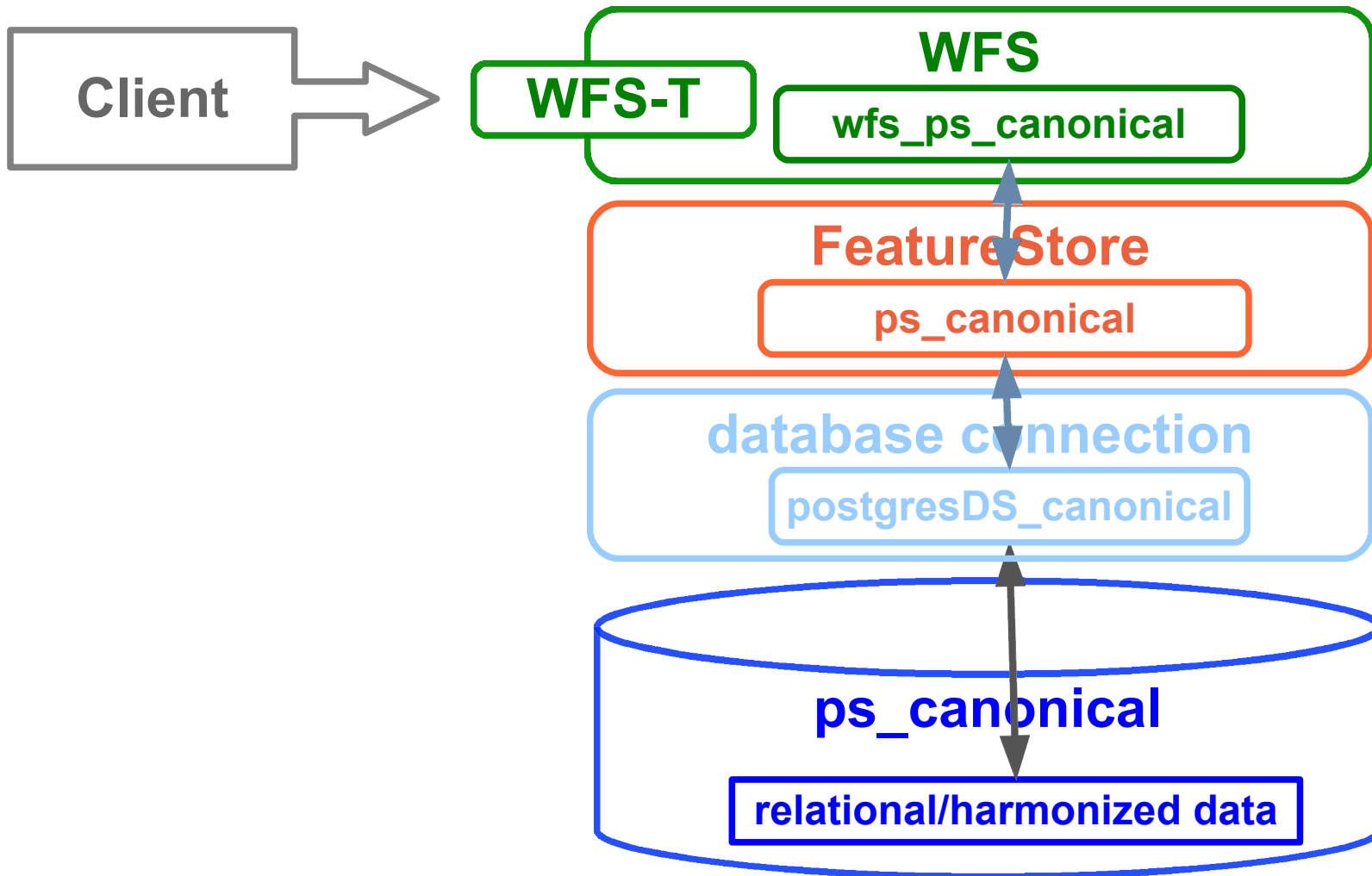
- Exercise: How to configure a deegree Workspace
- Exercise: Insert data into database running on Docker
- Exercise: Visualize service via QGIS

# Features of deegree WFS

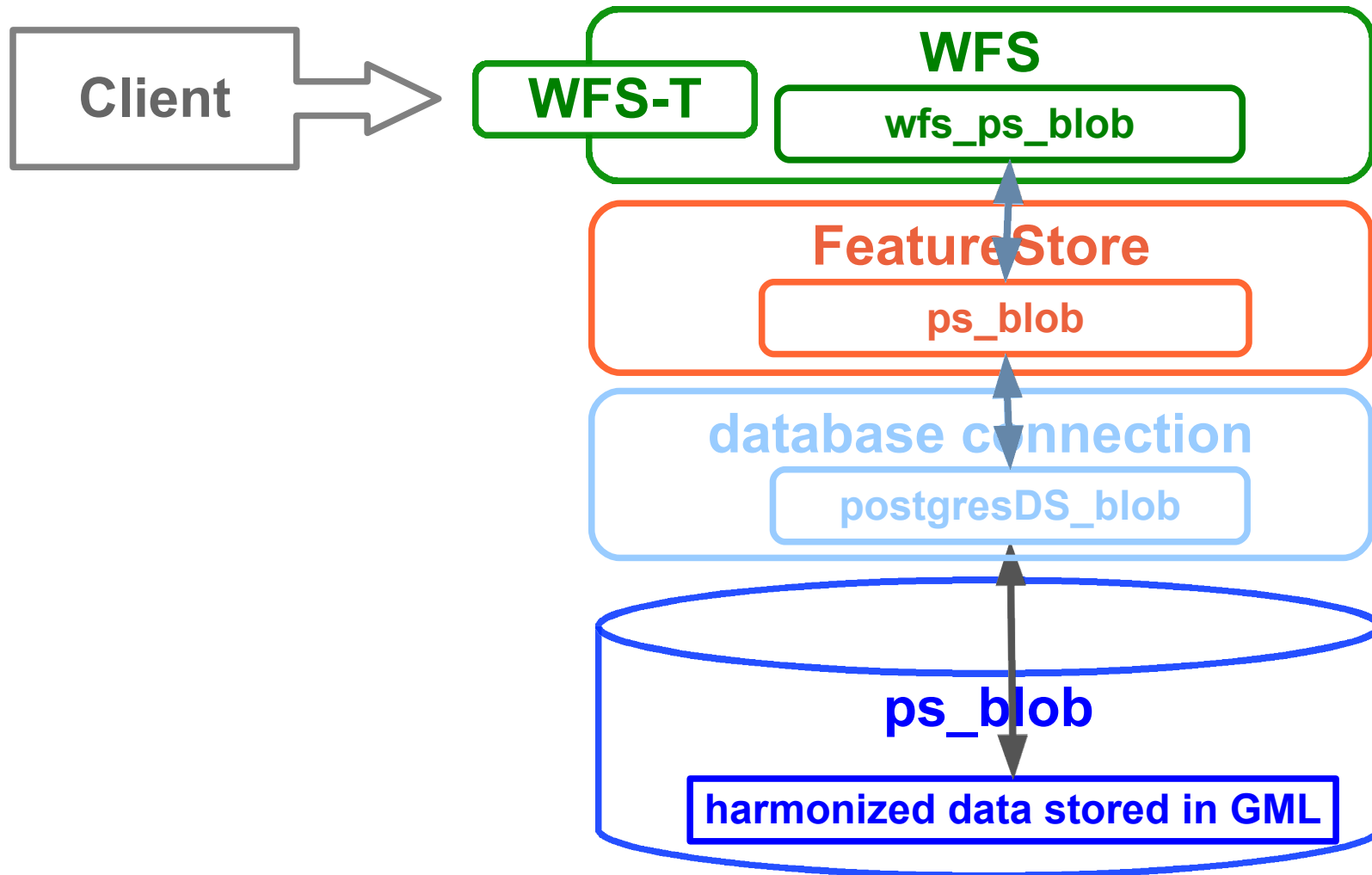
- WFS 1.0.0, 1.1.0 , 2.0.0
- WFS-T + Xlink, WFS-Basic Profile
- Streaming Architecture
- GML 2 / 3.0 / 3.1 / 3.2 support for input and output
- ISO 19107 support for complex geometry types
- Filter expression 2.0 (simple conformance class) with
  - Complex filter using XPath 1.0
- Performant and reliable



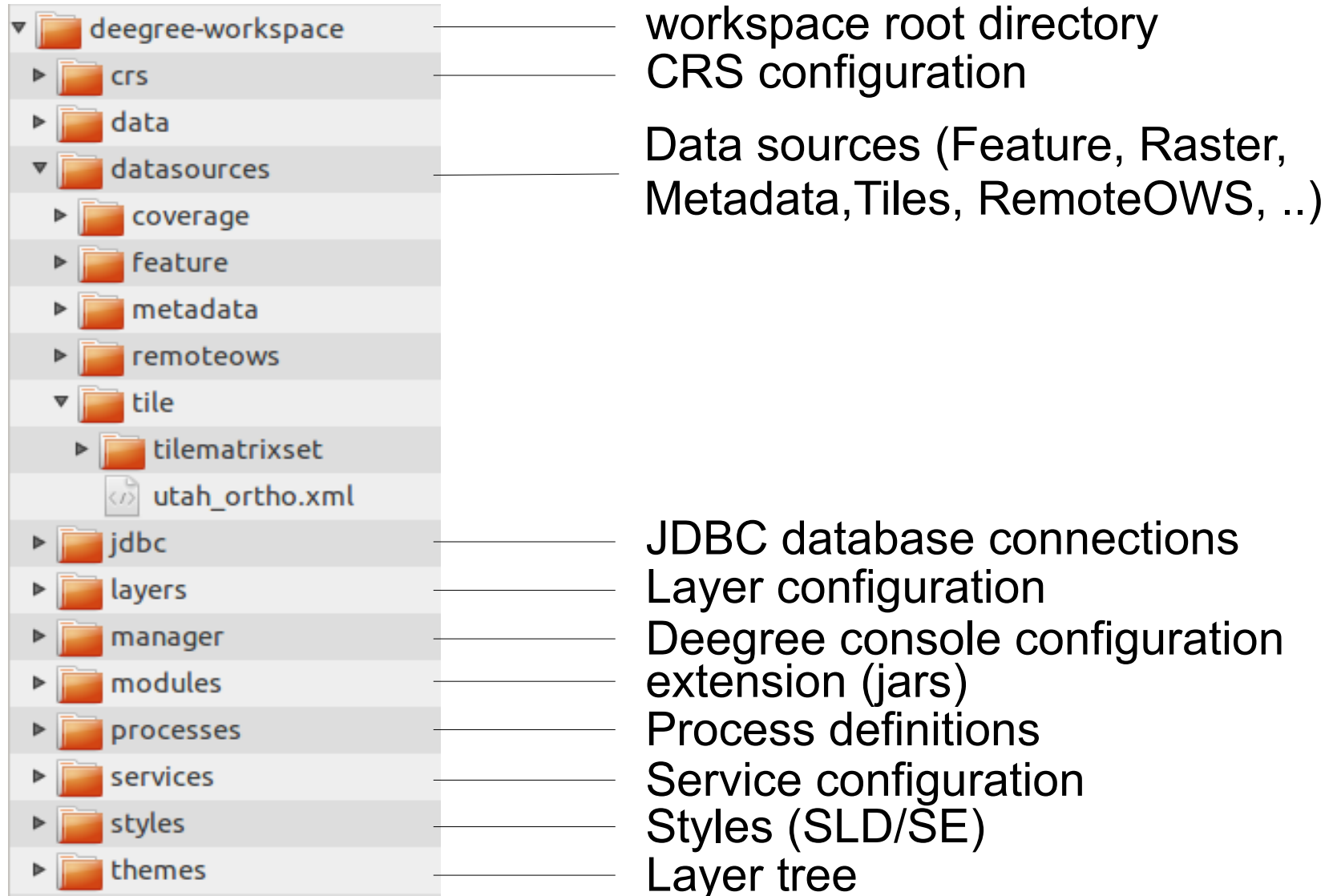
# WFS service with schema-driven (canonical) setup



# WFS service with schema-driven (BLOB) setup



# deegree workspace structure



# Location of the deegree workspace

- inside of the web app:  
deegree.war!/WEB-INF/workspace
- In external directory (default is ~/.deegree):
  - UNIX: **\$HOME/.deegree/**
  - Windows: **%USERPROFILE%\deegree\**
- Or any arbitrary directory configured with environment variabel:
  - **DEEGREE\_WORKSPACE\_ROOT**

# Exercise: How to configure a deegree Workspace

- Short exercise how to configure a deegree Workspace.
- Almost all configuration is written in XML.
- There exist different types of configuration files.
  - E.g. JDBC connection, FeatureStore, Service
- Exercise: Modify the FeatureStore configuration.



# Exercise: Insert data into database running on Docker

- Access database server.
- Create new database.
- Create database schema based on GML application schema.
- Create deegree workspace configuration files.
- Insert data using deegree WFS-T interface.

## Exercise: Visualize service via QGIS

- See tutorial for further instructions.

## What we have learned

- You are able to configure a deegree webservice providing a Download Service on a Docker-based infrastructure.

# Contact & Licence



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