

deegree

Validation of service and data



deegree

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Agenda

- How can service and data be validated?
- Exercise: Validate OGC compliance - TEAM Engine with ETS WFS 2.0 on Docker
- Exercise: Run TEAM Engine with ETS WFS 2.0 to test your deegree instance
- Exercise: Run SoapUI to test your deegree instance

How can service and data be validated?

- OGC TEAM Engine (service)
- GDI Testsuite (service)
- INSPIRE Geoportal JRC Validator (service, metadata)
- INSPIRE Reference Validator (tba)
- eENVplus Validation Service (service, metadata, data)
- soapUI (XML schema validation)

Exercise: Validate OGC compliance - TEAM Engine with ETS WFS 2.0 on Docker

- TEAM Engine
 - TEAM Engine (Test, Evaluation, And Measurement Engine) is an engine for testing web services and other resources.
 - <https://github.com/opengeospatial/teamengine>
- ETS WFS 2.0
 - Executable Test Suite for WFS 2.0
 - Can be executed on TEAM Engine
 - <https://github.com/opengeospatial/ets-wfs20/>

Running TEAM Engine on Docker

- Downloading the Docker image with TEAM Engine:
> `docker pull tfr42/teamengine`
- Running the Docker container with Apache Tomcat 8.0:
> `docker run -p 8088:8080 --name teamengine --rm tfr42/teamengine`
- Accessing TEAM engine with browser:
`http://localhost:8088/teamengine`

OGC TEAM Engine on Docker

- Base Image is Apache Tomcat 7 with JRE 8
- Image extended with TEAM Engine 4.10 (release)
- ETS for WFS 2.0 is pre-installed (version 1.26)

Exercise: Run TEAM Engine with ETS WFS 2.0 to test your deegree instance

- Open TEAM Engine GUI, select ETS WFS 2.0 und run deegree instance against it.

Exercise: Run soapUI to test your deegree instance

- See tutorial for instructions.

What we have learned

- You are familiar with different ways of validating service and data.
- You can setup and start a TEAM Engine with ETS WFS 2.0 on Docker to test the OGC compliance.

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