

Learning GeoServer

**SII-234 2 Days (14 Hours)**

Description

GeoServer is an Open Source cartographic engine developed in a JAVA environment and based on the GeoTools library. It implements numerous OGC Web Service specifications (WMS, WFS-T, WCS, SLD, etc.) and is, moreover, a reference application for the OGC to support the WFS standard. GeoServer allows you to quickly set up a Web Service to provide GIS data. GeoServer manages many output formats for data (PNG, SVG, KML, JPEG, PDF, GeoJSON, etc.). In addition, it is easy for an informed user to add their own personalized output module for vector data.

Who is this training for ?

For whom

Geomaticians and GIS developers Basic knowledge of geomatics, Knowledge of OGC Web Services is recommended

Prerequisites

Aucune

Training objectives

- Know the functionalities, specificities and limits of GeoServer
- Be autonomous in setting up Web Services with GeoServer
- Understand the administration issues of GeoServer

Training program

Installation

- Using Jetty
- Using Tomcat
- Generic OWS Settings

Mise en œuvre des services OGC

- Web Mapping Service (WMS)
- Web Feature Service (WFS)
- Web Coverage Service (WCS)

Changement de données

- Vector
- Raster
- Spatial databases (PostGIS)

Symbologie

- OGC Styled Layer Description (SLD) concepts and syntax
- Symbolology managed on the client side

Mise en œuvre et paramètres du cache Sécurité dans GeoServer

- Security concept
- Concept of role, user, group and services
- Access rights

Reprojection à la volée Logique de filtrage

- OGC Filter Coding (FE)
- Common Query Language (CQL)