MapFish WebGIS

An Open Source Webmapping Project

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Agenda

- Camptocamp
- What is MapFish
- MapFish and Cloud
- Conclusion
- Open Source solutions provider as editor and integrator since 2001
- Staff of 49
- Camptocamp helps you move forward with the latest Open Source technologies
Camptocamp: 3 Departments

**GEOSPATIAL**
- Web-GIS Portals
- Spatial Data Infrastructure (IDS)
- Mobile applications

**BUSINESS**
- Enterprise Resource Planning (ERP)
- Business Intelligence, Reporting

**INFRASTRUCTURE**
- Virtualization, Cloud Computing
- Automation of system administration
- Deployment of complex architectures

**ADVICE, STUDY, R&D**

**IMPLEMENTATION**

**SUPPORT**

**TRAINING**
MapFish is...
MapFish is...

- WebGIS framework
- **GeoMapFish** has been developed using the MapFish framework
- Plugin based
- Highly extensible and configurable
- Open Source
- Often deployed in hybrid infrastructure
Architecture

MapFish Client

MapFish Server

MapFish Rest Protocol
POST/GET
PUT/DELETE

JSON/GeoJSON

OGC Protocols

OGC Services
WMS
WFS/WFS-T
CSW
WPS

ExtJS
OpenLayers
GeoExt

python
Java
MapFish WebGIS: GeoMapFish
MapFish WebGIS

- Layers with gradual opacity
- Fulltext Search
- Querying
- 3D-Profile
- Security Proxy
- Print
- Redlining
- Mesure
- ...

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MapFish WebGIS
Open Source
MapFish and Cloud

- Cloud = Scalability.
- MapFish = Open Source.
- Cloud + MapFish = the high performance WebGIS.
MapFish and Cloud
MapFish and Cloud

- Scalable Infrastructure + MapFish = the high performance WebGIS
  - Ready for the Cloud
  - Different setups / hybrid infrastructure
MapFish and Cloud: Ready for the Cloud

- Deploy: one command – deploy on x servers
- Stateless Server – Client Protocol
- Open Standards: Integrate & provide data as a service
- Infrastructure side: Good IaaS offers
MapFish and Cloud: Infrastructure Examples

- Full Cloud
- Hybrid Cloud / non-Cloud
MapFish and Cloud: Infrastructure Examples
DaaS: map.cartoriviera.ch/routing
DaaS: map.cartoriviera.ch/routing
Hybrid Cloud: geoview.bl.ch
Hybrid Cloud: geoview.bl.ch
Full Cloud: Schwyz GeoMapFish (in dev)
Full Cloud: Schwyz GeoMapFish (in dev)
Full Cloud: map.schweizmobil.ch
MapFish and Cloud: Sum Up

- Cloud = Scalability.
- MapFish = Open Source.
- Cloud + MapFish = the high performance WebGIS.
(Re)Sources:

- http://mapfish.org
- http://geomapfish.org
- http://camptocamp.com

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