User Group GeoMapFish

January 30, 2017

camptocamp

INNOVATIVE SOLUTIONS
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Agenda

- GeoMapFish 2.1 – Status
- GeoMapFish 2.2 – Status
  - Ordered, planned and future features
  - Progression and planning
- Docker and GeoMapFish
- Architecture improvements
- Misc. informations

GeoMapFish 2.1 – Status

- Stable is out! → 2.1.1
- Many tests made
  - Desktop app was a big step
  - Several good beta testers, thanks!
- Migration tests process improved

GeoMapFish 2.2 – Status

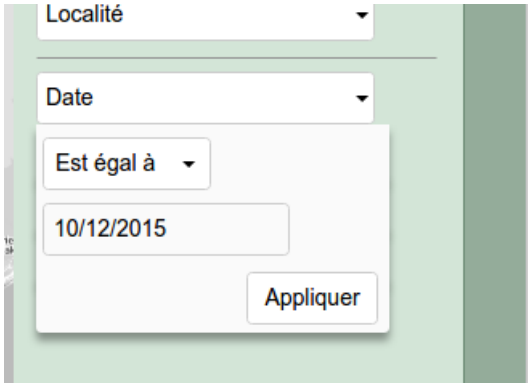
- Started
  - Filters
- Ordered
  - Message if no full-text results
  - Clear all in layertree
  - Print: user-defined scale
- Offered
  - StreetView
  - Time in WFS query

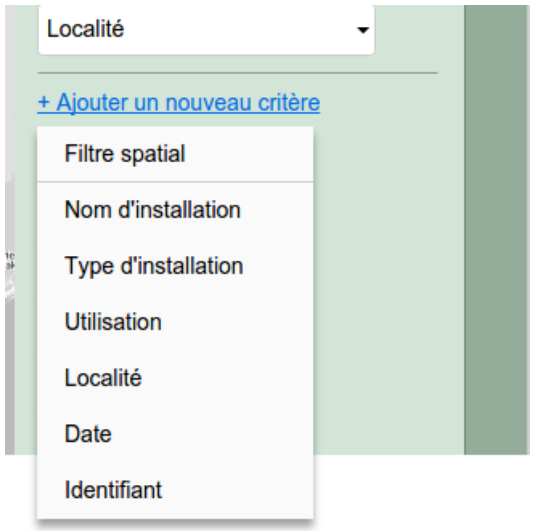
GeoMapFish 2.2 – Status

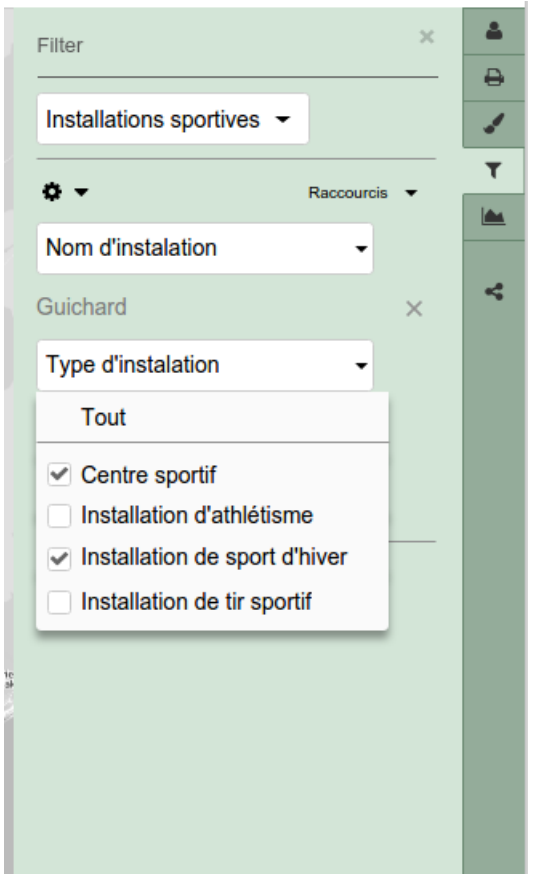
- Next
  - WMS/KML Browser integration + WMS in permalink
  - Map rotation
  - Moving window
  - WMS pointer
  - Extended profiles
  - Editing: Columns order
  - Editing: Readonly attributes
  - Mobile redlining (readonly)
  - Grid/windows query results depending on role/theme
  - Editing on tablet (touch)
  - IFRAME API replacement
  - OSRM Routing
  - Grid results sum

GeoMapFish 2.2 – Filters

- Query builder reborn and improved
  - Directed and advanced filters
  - WFS and WMS filters
  - Shortcuts
  - Filter from layer tree





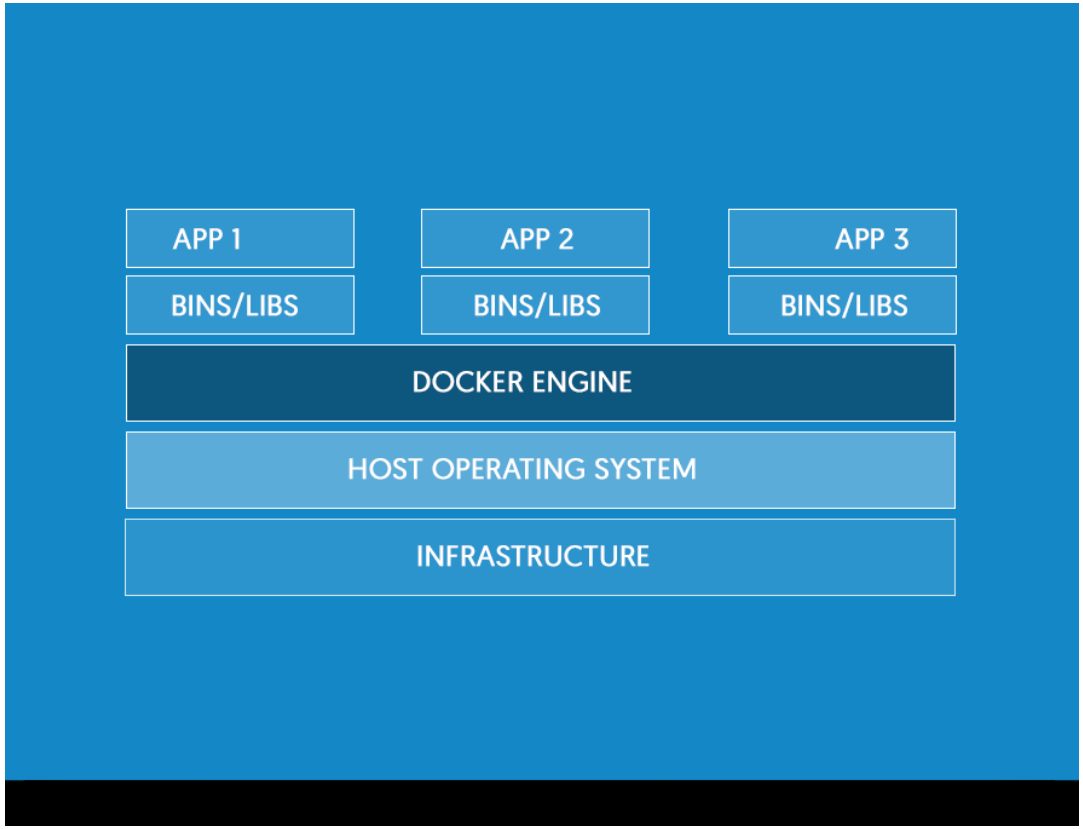


GeoMapFish 2.2 – Filters

- Status
  - Main part of specifications is validated
  - Development started
  - Note: development will include an addition to Mapserver → upgrade required to use the complete feature
  - On going: Ngeo structures
  - Next: Rules UI
- Estimate: April 2017 (in parallel of other features)

GeoMapFish and Docker

- Docker?
  - Containerization platform
  - A container
    - includes the application and its dependencies
    - runs as an isolated process
    - runs on any computer and any infrastructure



GeoMapFish and Docker

- Technical advantages
  - Better separation of services (e.g. Python and PHP)
  - Complete separation between images and OS
  - Better security (no direct access to OS)
  - Easier shared hosting with several middleware configurations
  - Cheaper redundancy
  - Build: dependent only on Docker repository and GitHub
  - Great to install dev or test environments
  - Same images on Linux and Windows (on going tests on Windows)

GeoMapFish and Docker

- Advantages for you
  - Independant application and system updates
  - Anyone can deploy a Docker container
  - Sustains microservices architecture

GeoMapFish and Docker

- Status
  - GMF dockerization is a goal for 2017
  - Already in Docker
    - Build, c2cgeoportal, MapServer, Print, tilecloud-chain
  - Next
    - Create missing images
    - Global process
  - Several projects at Camptocamp are already built on Docker
- Training available at Camptocamp

Architecture Improvements

- Server modularity
  - Some modules not installed if not needed (e.g. Mapserver)
  - Independant Pyramid Web services
  - Please contact me to help me list your needs and problems
- Client/Server separation
  - Already a lot has been done between 1.6 and 2.0
    - No more runtime generated HTML
  - Going further: e.g. using client with OGC-only Web services
- Infrastructure
  - Client build: possible improvements already listed
  - Reusable server code will be put in external librairies

Misc. Informations

- GeoMapFish will be presented at FOSSGIS (Germany)
- Presentation submissions
  - FOSS4G Europe (Paris)
  - FOSS4G World (Boston)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