User Group GeoMapFish

November 12, 2018

camptocamp

INNOVATIVE SOLUTIONS
BY OPEN SOURCE EXPERTS

Agenda

- 2.3 Status
- 2.4 Status
- GeoMapFish Lifecycle
  - Phases and Costs
  - Releases
- Camptocamp R&D

2.3 Status

- Releases
  - 2.3.0 – May 23, 2018
  - 2.3.1 – June 22, 2018
  - *2.3.2 – Non existent*
  - 2.3.3 – August 3, 2018
  - 2.3.4 – October 30, 2018
- Docker/OpenShift support
- Full-Docker install: Cartoriviera, Agrola, Ticino
- Note: CGXP desktop deprecated in 2.3

2.4 Status
Implemented

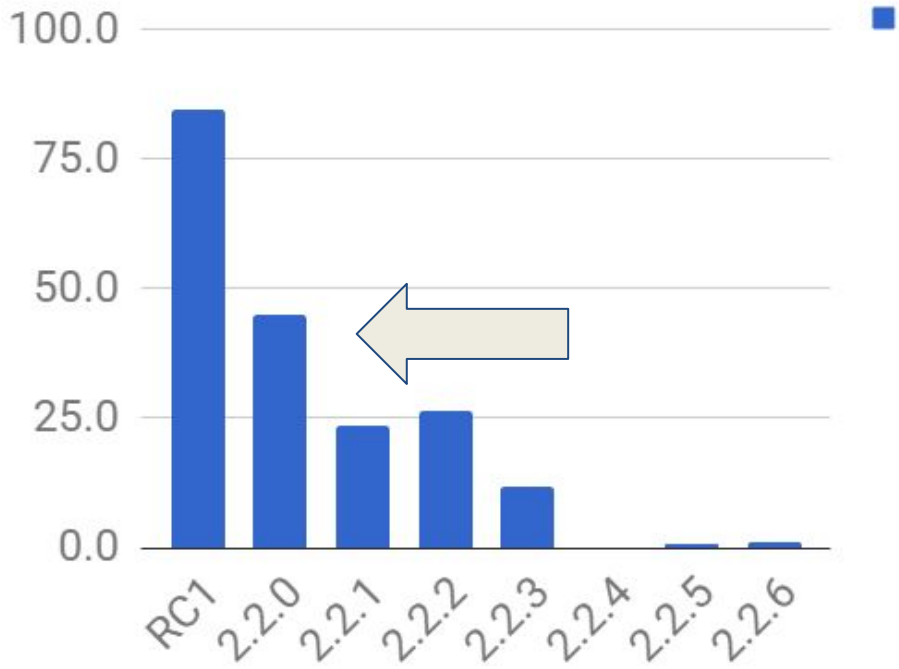
- 2.4.1 Simplified interface for IFRAME integration
- 2.4.2 Column reorder (editing)
- 2.4.7 Delete vertex menu
- 2.4.8 Drawing zoom on recenter
- 2.4.9 Read-only mobile drawing
- 2.4.10 Tree panel resize
- 2.4.11 Layer tree radio buttons
- 2.4.12 Auto-link in results
- 2.4.13 App loading widget
- 2.4.14 First level panel title
- Many bugfixes

2.4 Status
On going

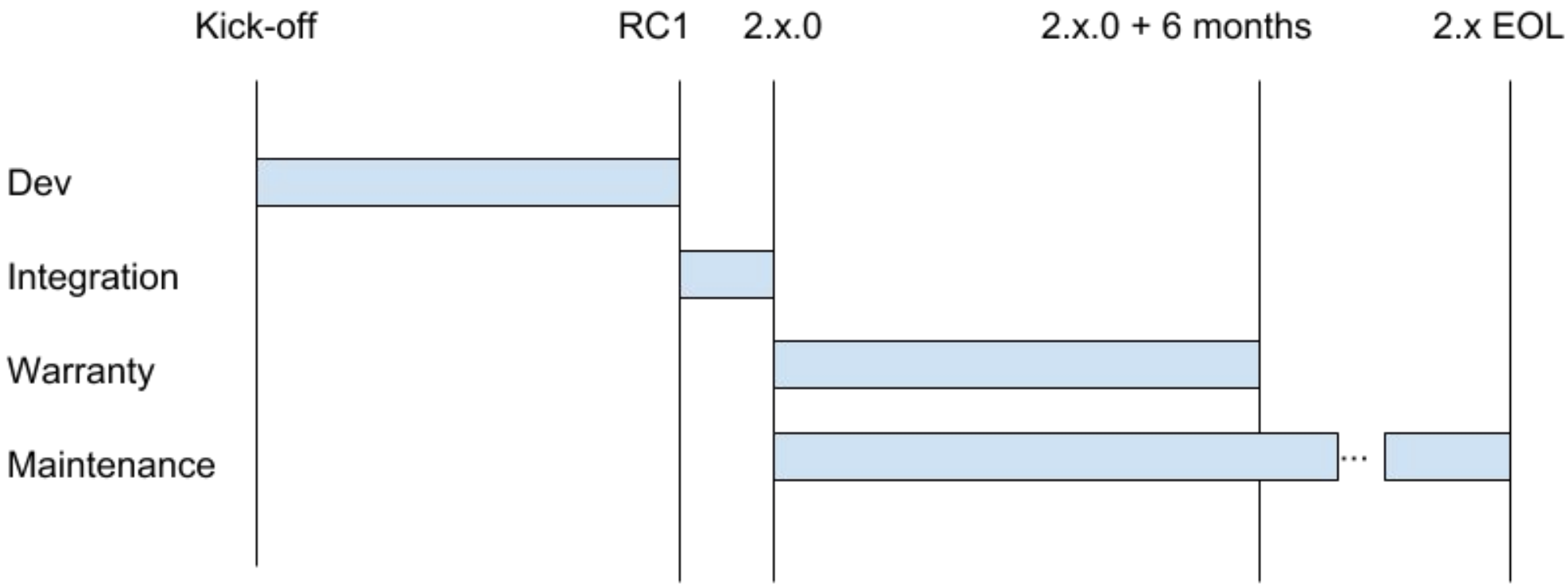
- 2.4.1 Javascript API (70% done)
- 2.4.4 Readonly attributes
- 2.4.15 A0 printing
- External funding (Aéroports de Lyon)
  - Mobile surface measurement tool
  - Multiple selection for query
  - Multiple roles for one user with rights merge, still to be specified (usability, security)

GMF Lifecycle Example: 2.2

- Phases
  - Development: 65 days (45%)
  - Integration: 35 days (24%)
  - Warranty: 45 days (31%)
- 70 days funded (on a total of 145)
  ~= Development
- Goals
  - Keep ~50% for development
  - Push a maximum to integration
  - Limit warranty to 15%
  - → First estimate, to be refined



GMF Lifecycle Phases



GMF Lifecycle
Steps - Development

- Functionalities listed by PSC
- Financing as indicated in the offer, fixed price
- Change request may lead to new budget
- QA is supported on the project, including investigations that leeds to a bug report

GMF Lifecycle
Steps - Integration

- Period of intense activity
  → task force on Camptocamp and User Group sides
- Shouldn’t last more than 2 months
- Bugs supported on the project, investigation (other infrastructure, specific/generic?) invoiced on support contracts

GMF Lifecycle
Steps - Warranty (1)

- Goals:
  - Clear rules on what is taken into account
  - A more stable, better product directly after integration phase
  - Better forecast of workloads
- Bugs identified as blocker, medium or minor
- Proposition, to be discussed:
  - Blocker = Application mission not available, including administration/configuration, interoperability (permalink)
  - Medium = Important feature not available
  - Minor = Part of a feature not available
- Warranty includes blocker, medium and minor issues and will be fixed as long as budget allows

GMF Lifecycle
Steps - Warranty (2)

- Covers
  - Docker environment (demo)
  - 4 standard interfaces (mobile/desktop, standard/alternate)
  - Items which are described in the test book
- Lasts 6 months starting with minor release x.y.0
- Corresponds to 15% of the project
- Bugs are collected by the PSC to the project JIRA
- Bugs prioritization by the PSC in collaboration with PM
- No more questions about who is entitled to the warranty

GMF Lifecycle
Steps - Maintenance

- Takes care of open source projects in relation of GeoMapFish in the camptocamp GitHub organization
- Takes care of related open source projects
- Helps organize and participate in community meetings (PSC, Dev-Meets, Users Group)
- Provides the infrastructure for the maintenance
- Financed by maintenance contracts

GMF Lifecycle Releases

- Releases
  - Automatic patch releases (x.y.z.#) on stabilization branch
    → Every bugfix is available immediately
  - One tested/stable patch release (x.y.z) every month
  - One dev release (x.y.0.dev#) at the end of each sprint
  - https://hub.docker.com/r/camptocamp/geomapfish-build/tags/
- Maintenance
  - 18 months minor release (x.y) support
  - One LTR (36 months) included in maintenance
  - At the end of LTR support, PSC decides what minor release becomes the next LTR
  - Current LTR is 1.6, next 2.2?
  - End-of-life: no more maintenance process (demo, ci, doc)

Camptocamp R&D

- QGIS Server
- Docker/OpenShift
- MapFish Print SaaS

Camptocamp R&D
QGIS Server

- 2.3 Docker QGIS Theme
- Features
  - Legend, Legend rule
  - Zoom to scale (point)
  - GeoPackage / PostGis (osm_)
  - Restriction (restricted_)
  - Multiple project (cartoriviera)
  - Filters (no geometry on GeoPackage)
  - Snapping
  - Impression (Legend: 300 dpi, content on the map)
  - Localization

Camptocamp R&D
Docker/OpenShift

- Demo: Postgres: Layer vecteur,
  Object Storage (raster): Layer WMS, Layer WMTS.
- OpenShift:
  - Multi-host
  - Resources sharing
  - Resilience with self healing
  - Rolling upgrades

Camptocamp R&D
MapFish Print SaaS

- MapFish Print
  - Saves memory on GMF server
  - Get processing power when you need it
  - Deployment via a git branch and a trigger
  - Access to a simple interface with the logs
  - Seamless upgrades
  - No data externalization
- Criterias:
  - Reliability (SLA?)
  - Performance
  - Price
  - Enterprise integration aspects, eg external IP, etc

Camptocamp R&D
SaaS demo

- OpenShift
- Source of the config
  - MapFish Print
  - Logs
- Real application using it
  - Config
  - Print logs
  - Other logs

Perspectives

- MapFish Print SaaS, OpenShift
  - First blocks of a GeoMapFish SaaS
- Thursday December 6, 2018 in Paris: GMF User Group France
- Ongoing now: Vector tiles code sprint in Saas-Fee organized by OpenLayers and funded by Swisstopo

Luxembourg 3D

- Demo
  - https://map.geoportail.lu/
- Status
  - Generic code in ngeo
  - Not yet in GeoMapFish but shouldn’t be too complex
- Data
  - Mercator MNT
  - Mercator WMTS (!)
  - Mercator WMS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