

PSC GeoMapFish

April 8, 2020

camptocamp[®]

INNOVATIVE SOLUTIONS
BY OPEN SOURCE EXPERTS

Welcome

- A few simple rules to make everything run smoothly:
 - Mic off
 - Questions: through the chat (fr, de or en)
 - You will be asked to activate your microphone when necessary.



Agenda

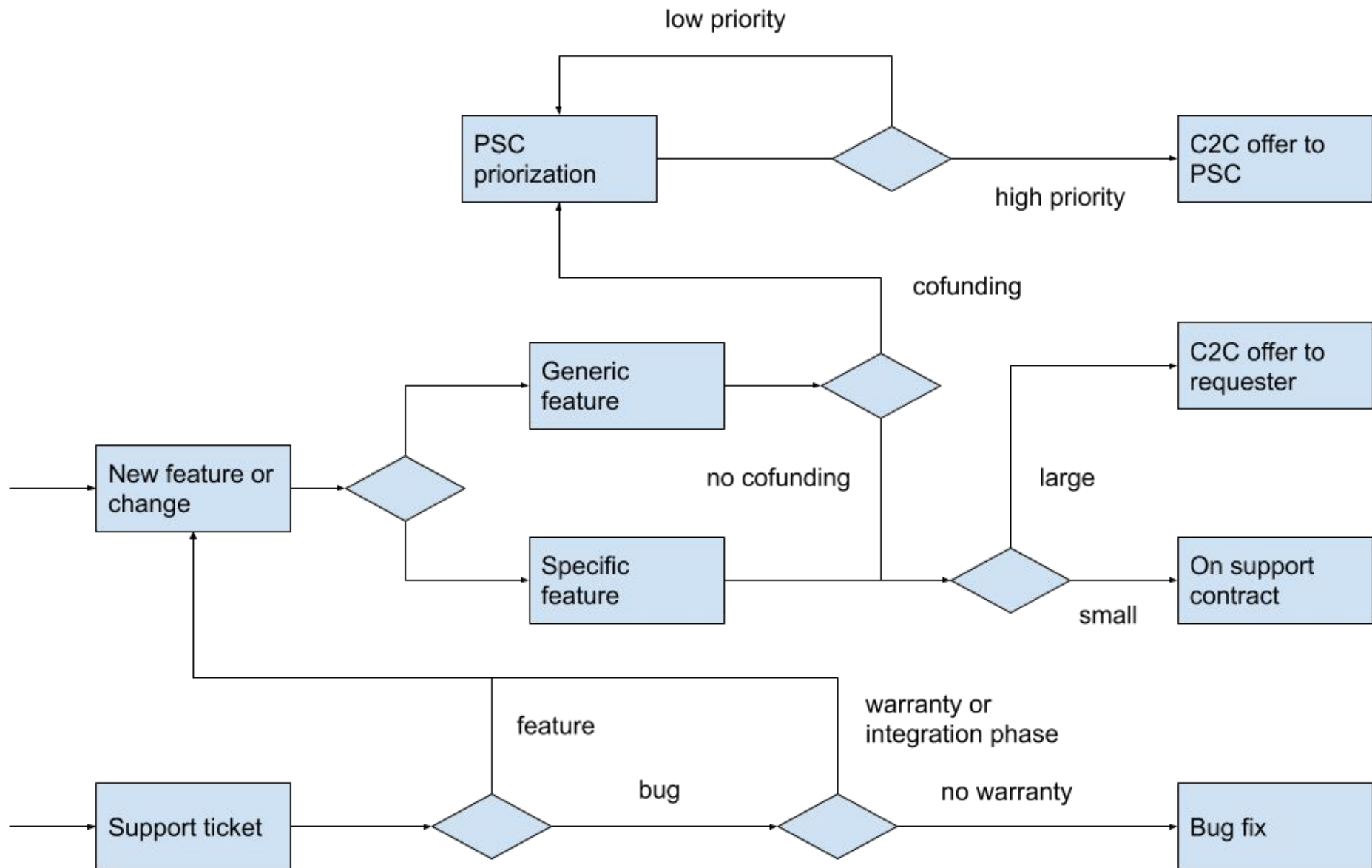
- General information
 - Feature requests process
 - Using GitHub
- 2.4 LTS
- 2.5
 - Status, release date, architecture changes
 - Demo
- 2.6
 - Features and prices
 - Cofunding
- Misc
 - GetItFixed status



Feature Requests Process

- Questions heard:
 - Who should I contact for a new feature?
 - Until when can we submit a new idea?
 - What's the status of my request?
- Will be set-up:
 - Github (only for feature requests)
 - Clear communication about dates and status (through the website and twitter)
 - Mailing-list for communication among the User-Group

Feature Requests Process



Using GitHub

- GitHub changes
 - New GitHub plan, price per user
 - One user included in support and maintenance contracts
 - CHF 250.- excl. taxes per year per extra user
 - This applies to customer projects only, not to GeoMapFish public repositories
- There are many alternatives. It's important to keep in mind:
 - all costs,
 - ease of collaboration,
 - workload to use/maintain it,
 - services offered

2.4

Status

- LTS Version
 - Support until July 2022
- Stable
 - Most used version
 - 11 projects out of 25 referenced at Camptocamp
 - 2.3 = 5, 2.2 = 5, 1.6 = 4
- Last release with support for
 - Non-Docker runtime
 - Internet Explorer (or via extra support)
 - Old API

2.5

Status

- Development done, integration phase
- A lot of tests done
 - Thanks, Cartoriviera+SITN
 - → A lot of bugfixes
- 2.5.0
 - Last tests to be done
 - Estimate: Mid-April



2.5

Architecture changes

- Removed non-Docker mode
- Docker mode standardization
- Removed MapCache and MemCached services
- Not a big migration, but still a migration



2.5

Demo

- 2.5.4.2 - Defined length drawing
- 2.5.14.2 - WMTS layers limits
- 2.5.14.5 - Display results when count too big
- 2.5.18 - Loading notifications
- 2.5.29 - Layer group filters

<https://geomapfish-demo-2-5.camptocamp.com>

https://geomapfish-demo-2-5.camptocamp.com/desktop_alt

2.6

New Features (already in 2.5 offer)

- 2.6.1 Redlining arrows
 - Based on OpenLayers example
 - Segment with choice \leftarrow , \rightarrow , \longleftrightarrow
 - CHF 8'370.- excl. taxes / CHF 9'015.-
- 2.6.9 Print QR Code
 - QR Code into Print template
 - Zoom on bounding box
 - CHF 9'855.- excl. taxes / CHF 10'615.-
- 2.6.10 CSV export in query window
 - New button to download CSV
 - CHF 6'885.- excl. taxes / CHF 7'415.-

2.6

New Features (already in 2.5 offer)

- 2.6.12 Offline
 - Basic, no layer tree (layers visible as downloaded)
 - Browser technologies changed since 2.5 offer
 - CHF 33'795.- excl. taxes / CHF 36'395.-
- 2.6.17 Blob upload
 - New improved solution
 - QGIS support added (compared to 2.5 offer)
 - CHF 22'425.- excl. taxes / CHF 24'150.-
- 2.6.18 Blob download
 - CHF 10'470.- excl. taxes / CHF 11'275.-
- 2.6.19 Blob options (size limit, file name and type)
 - CHF 11'370.- excl. taxes / CHF 12'245.-

2.6

Improvements (already in 2.5 offer)

- 2.6.4 Security - Configurable password policy
 - Password length, case, digits, validity, same password, ...
 - CHF 12'270.- excl. taxes / CHF 13'215.-
- 2.6.5 Security - New session management
 - Remove cookies → CSRF tokens
 - CHF 27'210.- excl. taxes / CHF 29'305.-
- 2.6.6 Security - Logout after password change
 - CHF 7'470.- excl. taxes / CHF 8'045.-
- 2.6.7 Security - Remove unsafe-inline
 - Check on whole application
 - CHF 6'570.- excl. taxes / CHF 7'075.-

2.6

Improvements (already in 2.5 offer)

- 2.6.8 Security - Subresource integrity
 - As recommended by Mozilla guidelines
 - CHF 8'370.- HT / CHF 9'015.- TTC
- 2.6.16 Admin interface lists
 - Select layers linked to restriction area, role's list of users
 - CHF 6'285.- HT / CHF 6'770.- TTC

2.6

New features (new in 2.6)

- 2.6.49 Mobile editing
 - Attributes form
 - Add, delete, move vertex
 - Rotate, move geometry
 - New, delete feature
 - Snapping
 - Magnet icon in layer tree
 - CHF 61'440.- excl. taxes / CHF 66'170.-
 - *Camptocamp is ready to participate in the financing*

2.6

Improvements (new in 2.6)

- 2.6.20 Edit client-side type validation
 - Initially: number validation on Firefox
 - Global improvement: invalid fields, Save button, ...
 - CHF 3'750.- excl. taxes / CHF 4'040.-
- 2.6.22 Edit dropdown lists order
 - New 'order' column
 - CHF 2'400.- excl. taxes / CHF 2'585.-
- 2.6.23 StreetView marker
 - Marker with directions
 - CHF 10'470.- excl. taxes / CHF 11'275.-

2.6

Improvements (new in 2.6)

- 2.6.24 Server logout message
 - Server pooling, message on connexion lost
 - CHF 6'570.- excl. taxes / CHF 7'075.-
- 2.6.25 Shortlink time layers
 - Time layers information in the permalink
 - CHF 6'120.- excl. taxes / CHF 6'590.-
- 2.6.26 Search keywords for layers
 - New keywords, search field tooltip (see BL)
 - CHF 7'170.- excl. taxes / CHF 7'720.-

2.6

Improvements (new in 2.6)

- 2.6.27 Full-text search documentation
 - Improve documentation for full-text use
 - CHF 2'190.- excl. taxes / CHF 2'360.-
- 2.6.29 Print legend too big
 - Split legend in symbols+texts
 - High DPI = some work in MapServer (included)
 - Solves 3 problems:
 - Multi-page
 - High DPI
 - Translations
 - CHF 32'580.- excl. taxes / CHF 35'090.-

2.6

Improvements (new in 2.6)

- 2.6.31 Snapping measures/drawing
 - Snapping also on redlining, not only snappable layers
 - CHF 4'785.- excl. taxes / CHF 5'155.-
- 2.6.32 StreetView resizable panel
 - CHF 5'670.- excl. taxes / CHF 6'105.-
- 2.6.34 Legend of user-imported WMS layers
 - Display legend of imported WMS layers in layer tree
 - Also in Print
 - CHF 7'470.- excl. taxes / CHF 8'045.-
- 2.6.35 User-imported WMS query
 - Imported layers GetFeatureInfo (point query only)
 - CHF 6'120.- excl. taxes / CHF 6'590.-

2.6

Improvements (new in 2.6)

- 2.6.37 Query with rotation
 - Rectangle stays horizontal (now it turns with map)
 - CHF 11'370.- excl. taxes / CHF 12'245.-
- 2.6.38 Message when too many results
 - Mechanism to get the info from server
 - UI: window, grid, mobile
 - CHF 19'125.- excl. taxes / CHF 20'600.-
- 2.6.44 UX uniformization
 - Main change: edit symbol in layer tree
 - CHF 7'470.- excl. taxes / CHF 8'045.-

2.6

Improvements (new in 2.6)

- 2.6.45 Filter on a QGIS group
 - Layer group filter (2.5) now with QGIS Server
 - CHF 6'570.- excl. taxes / CHF 7'075.-
- 2.6.46 Query tolerance per layer
 - Define a different tolerance for each layer (click only)
 - Needed because we only use WFS for query
 - CHF 7'470.- excl. taxes / CHF 8'045.-
- 2.6.47 External layers drag&drop
 - Allows drag and drop files on local layer import
 - CHF 4'785.- excl. taxes / CHF 5'155.-

2.6

Improvements (new in 2.6)

- 2.6.53 Scale limit on WMTS query
 - New metadata to block query on some scales while layer is still displayed
 - CHF 2'025.- excl. taxes / CHF 2'180.-

2.6

Others (not in User Group offer)

- Mapillary/Imaging plugin
- Secure WMTS rights managed in admin interface
- WMTS with time information



Future Trends

- Multi-organisations support
 - Have more than one project (= organisation) in one Docker environment
 - Strong separation between organisations
 - Scalable
 - Quite big R&D project
 - We will contact users who have many projects
 - If you're interested, contact us!
 - May be an interesting feature to attract more users



Future Trends - Vector tiles - Use cases

- As a GMF Administrator:
 - benefit from high speed vt pre-processing (save computer resources, update data more regularly)
 - provide data webservice for your partners to create their own style
 - improve data and style sharing between partners (eg swisstopo/schweizmobil), without dependencies between partners
 - provide lighter datasets for better offline usage
 - provide datasets for queries and analysing tools
- As a GeoMapFish WebGIS User, you could benefit from:
 - Ability to style your own map without regenerating data (web accessibility for ex.)
 - Change label size
 - Change colors
 - Ability to select/filter data to be displayed
 - Faster rendering as vector tiles are lighter than raster ones
 - Multiple rendering styles can be applied without reloading data
 - Download lighter datasets for offline usage

Future Trends - Vector tiles - Technology

- Vector tiles are made for Webmercator projection
- OpenLayers 6 supports composite rendering
 - multiple layers from different technology might overlay
- Openlayers 6 renders vector tiles following such strategy
 - OpenLayers VT layer:
 - overlay layer
 - point, lines, polygons and labels layers
 - supports many features
 - MapboxGL OpenLayers layer:
 - background map
 - very advanced styles
 - supports rich topographic maps

Future Trends - Vector tiles - GMF

- Possible implementations:
 - Implementing a vector tiles forge based on existing technology
 - Multiple technical viewer implementations based on desired use cases coverage
- The discussion is still ongoing about the requirement and use cases

Future Trends

- AngularJS replacement
 - Camptocamp is working with many existing solutions
 - React, Angular, frameworkless, ...
 - We will work with the GeoMapFish community to select the best solution when timing is appropriate
 - Around Fall 2020 we could make a presentation and provide feedback from currently ongoing big projects

2.6

Cofunding

- → PSC sheet



GetItFixed!

Status

- Delivered to customers (including Yverdon-les-Bains)
- 1 in production, 1 ongoing, 2 potential new users
- New features planned
- To enter: CHF 5'600.-, includes co-financement and support

Next Steps

- Financial participation:
 - until 30.06.2020
- Start of the developments for GMF 2.6:
 - July 2020
- Next User-Group
 - Monday 2nd november ?



to camp 

camp **to** camp

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