

News from QGIS Server, QGIS Web Client and QGIS Cloud

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QGIS Server

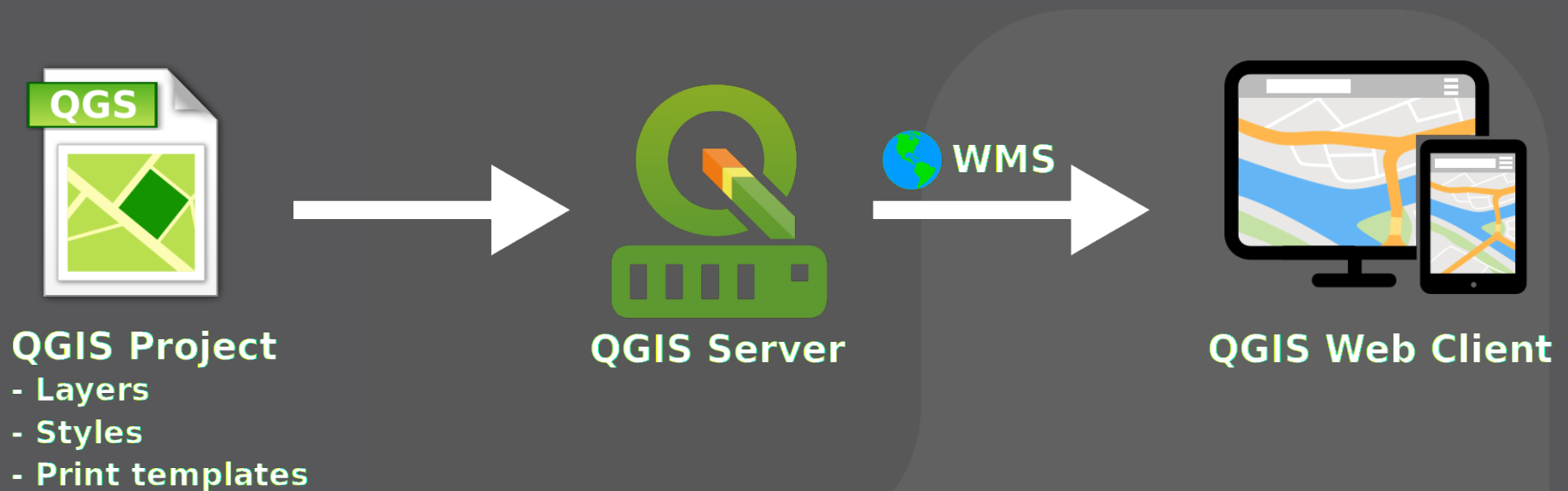
- Publish QGIS Desktop projects as WMS, WFS and WCS
- Initiated 2006 at the Institute of Cartography, ETH Zürich
- Part of the QGIS codebase since 2010
- C++, FCGI application
- Backend for QGIS Web Client and QGIS Cloud

QGIS Server 3 News

- **Full WMS 1.3.0 compliance (mhugent)**
 - <http://www.opengeospatial.org/compliance>
- **Services as modules (dmarteau, rldhont)**
 - Add services without recompiling the server
 - Services can also be written in Python
- **Parallel rendering for WMS (pblottiere)**
 - `QGIS_SERVER_PARALLEL_RENDERING True`
 - `QGIS_SERVER_MAX_THREADS 4`
- **Lots of refactoring**

QGIS Web Client

- WMS based WebGIS client for desktop and mobile devices
- Optimized for QGIS specific WMS extensions



OGIS Web Client

➤ QWC1, introduced in Uster in 2009

GIS-Browser Uster - Grundplan Amtliche Vermessung [Nutzungsbedingungen](#)

Infos und Werkzeuge
Kartenthemen
Karte
Kartenebenen

- Grundplan Amtliche Vermessung
- Grenzlinien Raumplanung
- Übersicht Vektor25
- Amtliche Vermessung
- Orthofoto 2015
- Orthofoto 2013
- Orthofoto 2012
- Orthofoto 2008

Objektidentifikation: Oberster Treffer

Suche (Adressen, Parzellen, Flurnamen, etc.)

Liegenschafts Fläche
Parzellennummer: B4266
Fläche: 765m²
Lageklasse: 4
Adressen: Tulpenstrasse 3, 8610 Uster
Eigentum: Privateigentum

Modus: Objektidentifikation. Bewegen Sie die Maus über das Objekt, um es zu identifizieren, klicken Sie es an, um seine Attributdaten anzuzeigen.

Koordinate: 695984,245604 1: 550

OGIS Web Client 2

- **Difficulties with QWC1:**
 - Non-responsive, old-fashioned interface
 - Interface too complex for many users
 - Uses obsolete libraries
 - Non-modular code base
- **Next generation OGIS Web Client: QWC2**
 - Modern, responsive interface
 - Focus on usability
 - Modular code base
 - State-of-the art technology: ReactJS, OpenLayers 4

OGIS Web Client 2



QGIS Web Client 2

- › **Core functionalities, implemented as plugins:**
 - › Theme (project) browser
 - › Layer tree
 - › Feature info
 - › Search with configurable providers
 - › Measure tools
 - › Basic sketching functionality
 - › Permalink generation
 - › PDF-Print
 - › Screenshot
- › **Extensible!**

QGIS Web Client 2

› Available on GitHub

- › <https://github.com/qgis/qwc2-demo-app>
- › <https://github.com/qgis/qwc2>

› Examples:

- › <https://services.geo.zg.ch/qwc2>
- › <http://map.geo.gl.ch/qwc2>
- › <https://webclient.stadtwerke-lemgo.de/qwc2/>
- › <http://qgiscloud.com>

OGIS Web Client 2

 **Demo**

QGIS Cloud

- QGIS Server hosting with PostGIS Database and web client
- Publish maps with a single click from QGIS using the QGIS Cloud Plugin



QGIS Cloud News

- QGIS Cloud Plugin now supports uploading raster layers
- New QGIS Cloud Webclient based on QWC2



User Meeting Bern 2017

Thanks!



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