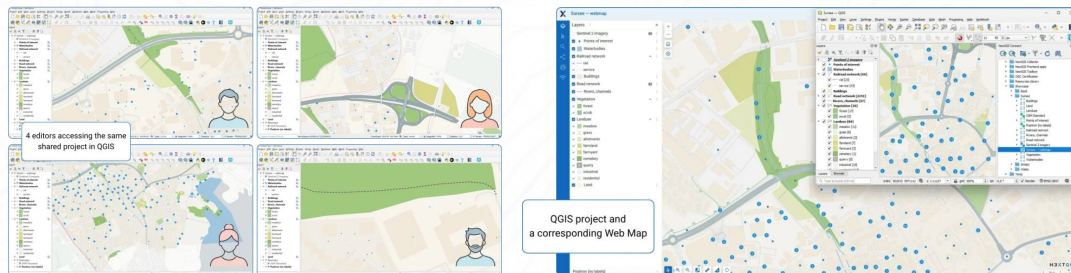


NextGIS Web for QGIS teams: From deployment to collaboration

Maxim Dubinin | NextGIS Founder



Get ready

https://nextgis.com/foss4g2026_ngw.zip

`docker pull nextgis/nextgisweb-ce`

or create account at <https://my.nextgis.com>
(and send email to edu@nextgis.com)

Agenda

- > About NextGIS
- > QGIS collaboration problem
- > Deploy and configure NextGIS Web Community Edition
- > NextGIS Web basics
- > Publish a QGIS project and explore results, publish data as a service
- > Set up users and permissions
- > Connect to the published project from another instance/user
- > Enterprise-level collaboration: sync, version control, conflict resolution, attachments
- > Extra: ecosystem around NextGIS Web

NEXTGIS

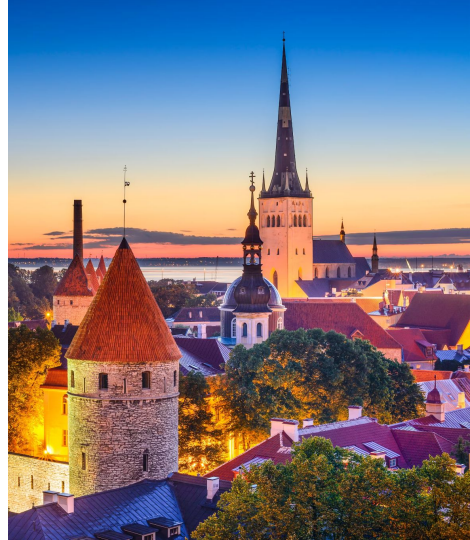
Geospatial software developers since 2011

Products. Custom development. Data store

Financial center in Tallinn, Estonia

Development center in Novi Sad, Serbia

Remote-first team distributed globally



We are open source at heart: long-term contributors

Core committers

30+ plugins

Community events, translation coordination

QuickMapServices, the world's most popular plugin with ~11 million downloads



Core committers

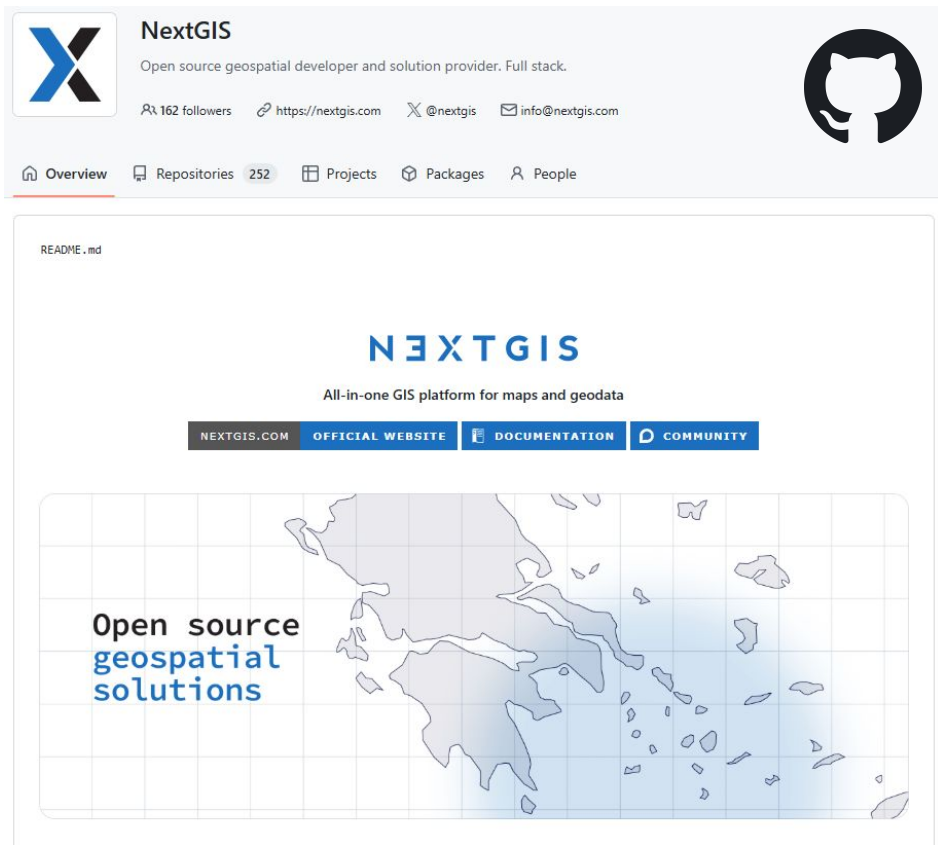
Maintainers of several formats



Sponsors for 10+ years

Community events

Our platform is largely open source as well



The image shows a screenshot of the NextGIS GitHub profile and the README for a repository. The profile header includes the NextGIS logo (a blue 'X'), the name 'NextGIS', and the description 'Open source geospatial developer and solution provider. Full stack.' It also shows 162 followers, the website URL 'https://nextgis.com', the GitHub handle '@nextgis', and the email 'info@nextgis.com'. A GitHub logo is on the right. Below the header is a navigation bar with links: Overview (selected), Repositories (252), Projects, Packages, and People. The main content area shows the README for the 'README.md' file. The README features the 'NEXTGIS' logo, the tagline 'All-in-one GIS platform for maps and geodata', and a navigation bar with links: 'NEXTGIS.COM', 'OFFICIAL WEBSITE', 'DOCUMENTATION', and 'COMMUNITY'. Below this is a large graphic with a map of Southeast Asia and the text 'Open source geospatial solutions'.

NextGIS

Open source geospatial developer and solution provider. Full stack.

162 followers <https://nextgis.com> @nextgis info@nextgis.com

Overview Repositories 252 Projects Packages People

README.md

NEXTGIS

All-in-one GIS platform for maps and geodata

[NEXTGIS.COM](#) [OFFICIAL WEBSITE](#) [DOCUMENTATION](#) [COMMUNITY](#)

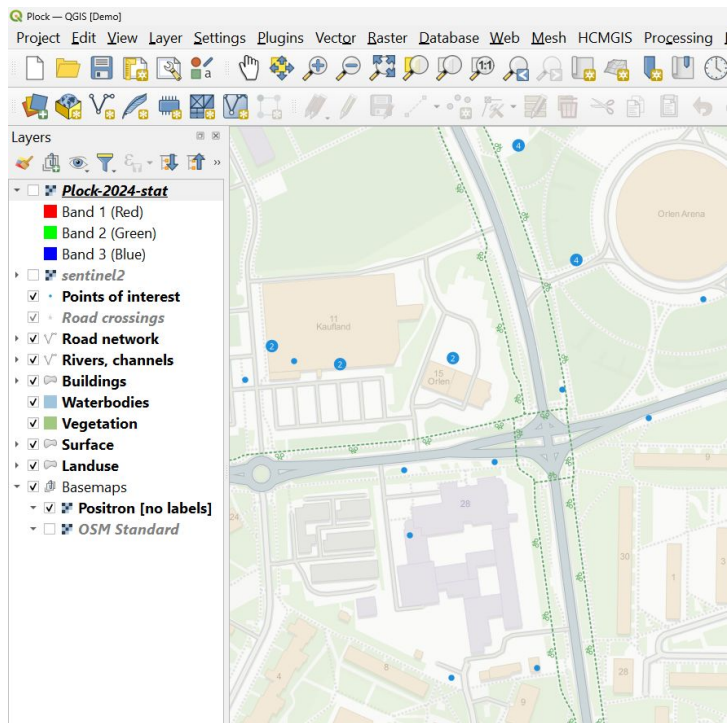
Open source
geospatial
solutions

250+ public repositories

All essentials are FOSS:

- Web GIS server
- QGIS integration layer
- Mobile app

Collaborative QGIS environment



Your organization has a lot of geodata.
Many people need access to it.

The geodata is organized into QGIS projects:

- Hundreds of layers
- Complex styles
- Multiscale data

How can you store all of this for effective management?

Collaborative QGIS environment

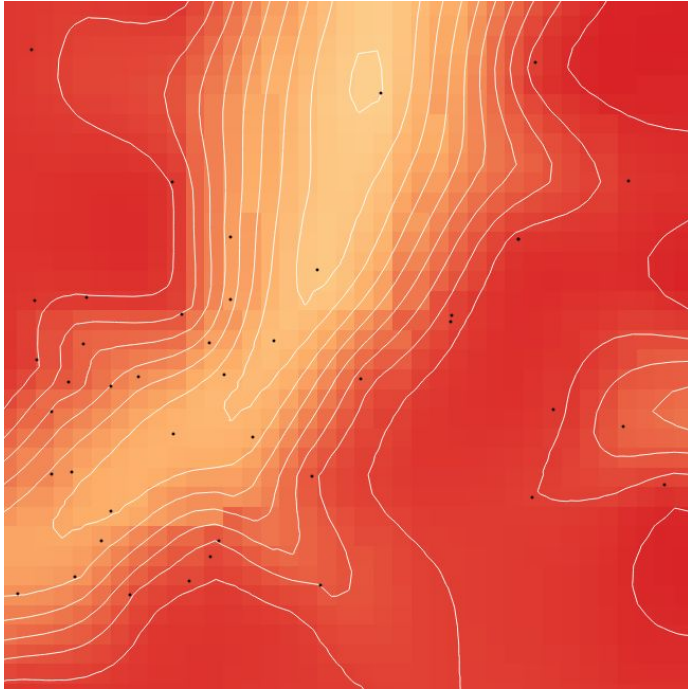


Dozens of people are entering data into QGIS based on satellite imagery and aerial photographs.

There is a constant stream of changes to the geodatabase from various users.

How can we ensure this process runs smoothly?

Collaborative QGIS environment

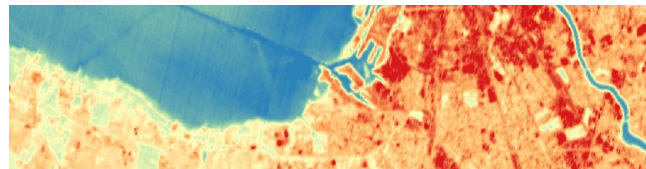
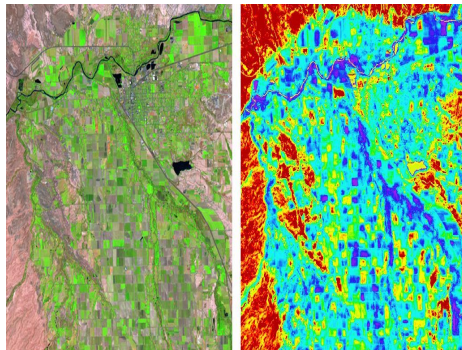
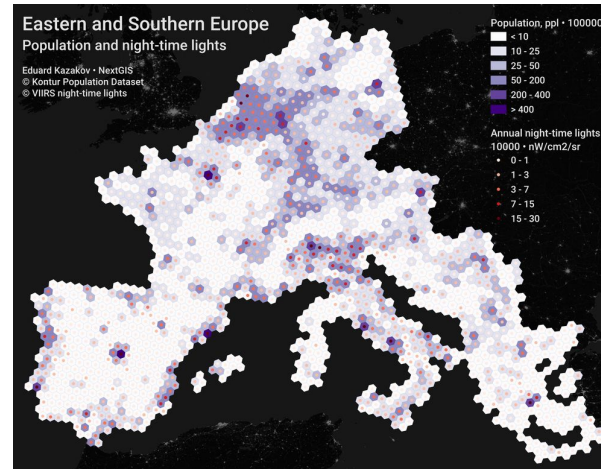
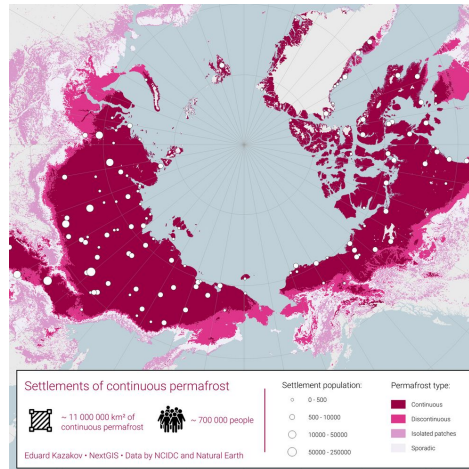
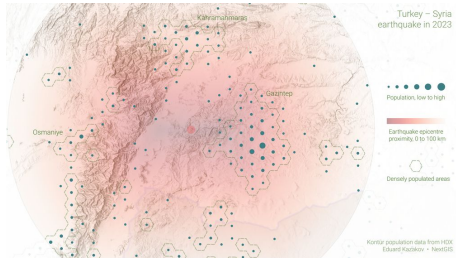


You work with QGIS either alone or in a small group, but from different locations. You need an easy way to access your projects from any computer.

How can you set this up?

QGIS is brilliant for individual work

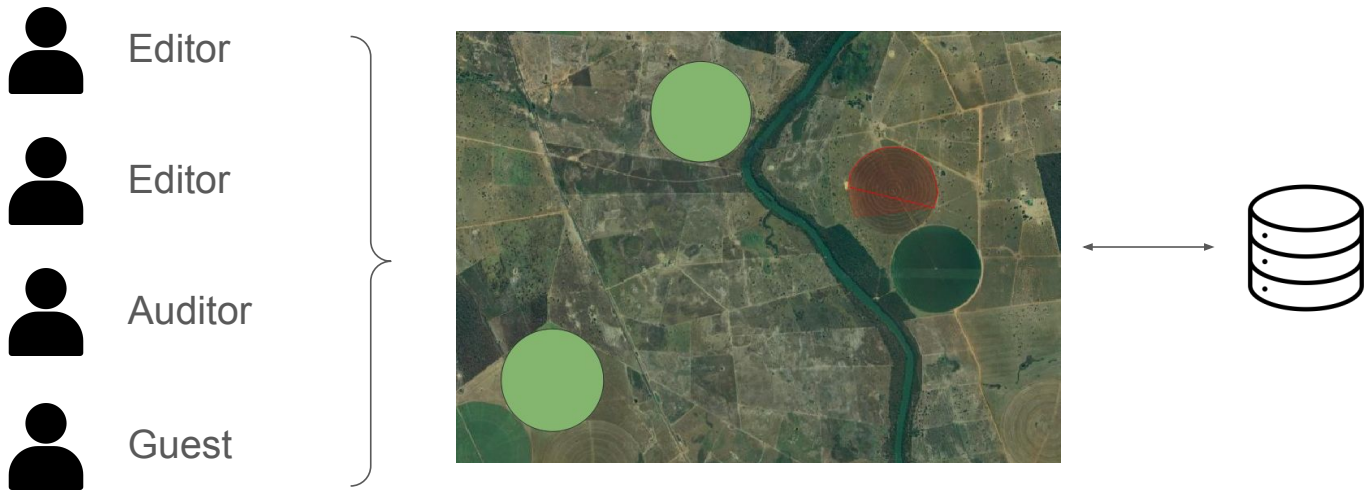
A uniquely flexible suite of tools for map creation, geodata analysis, and geoprocessing automation



QGIS

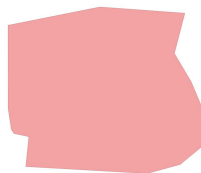
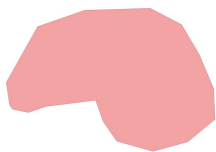
But serious work requires infrastructure

Centralized storage with role-based access



But serious work requires infrastructure

Data version control. Who changed the object, when, and how?
How do I undo an accidental deletion or modification of data?



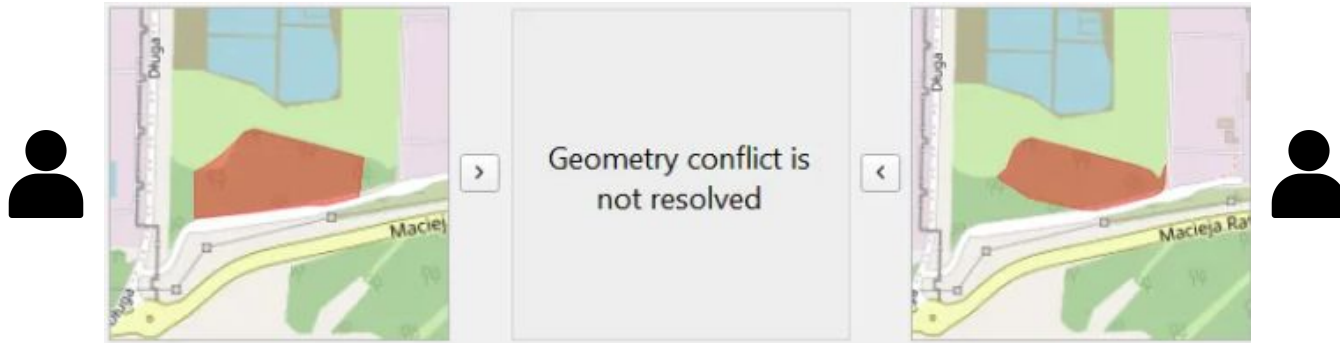
04.07.2025 Created by admin

06.07.2025 Edited by Alex

09.07.2025 Edited by Joe

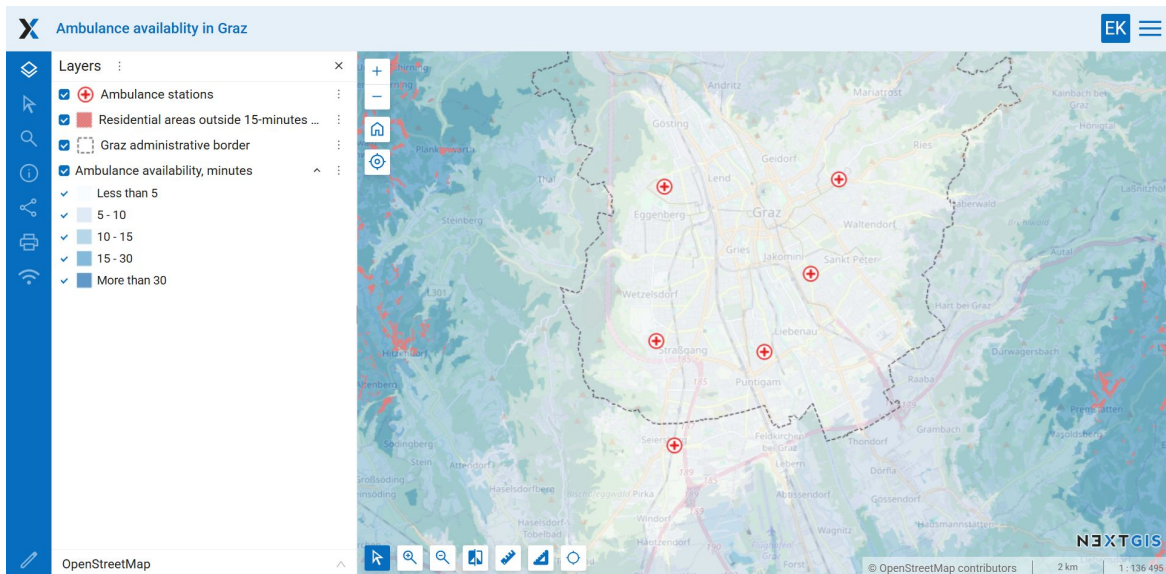
But serious work requires infrastructure

Resolving edit conflicts. Who is right?



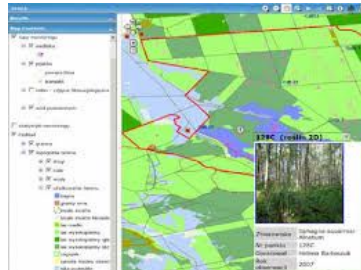
But serious work requires infrastructure

The ability to easily share data with people outside the team



But serious work requires infrastructure

The ability to integrate data with other systems



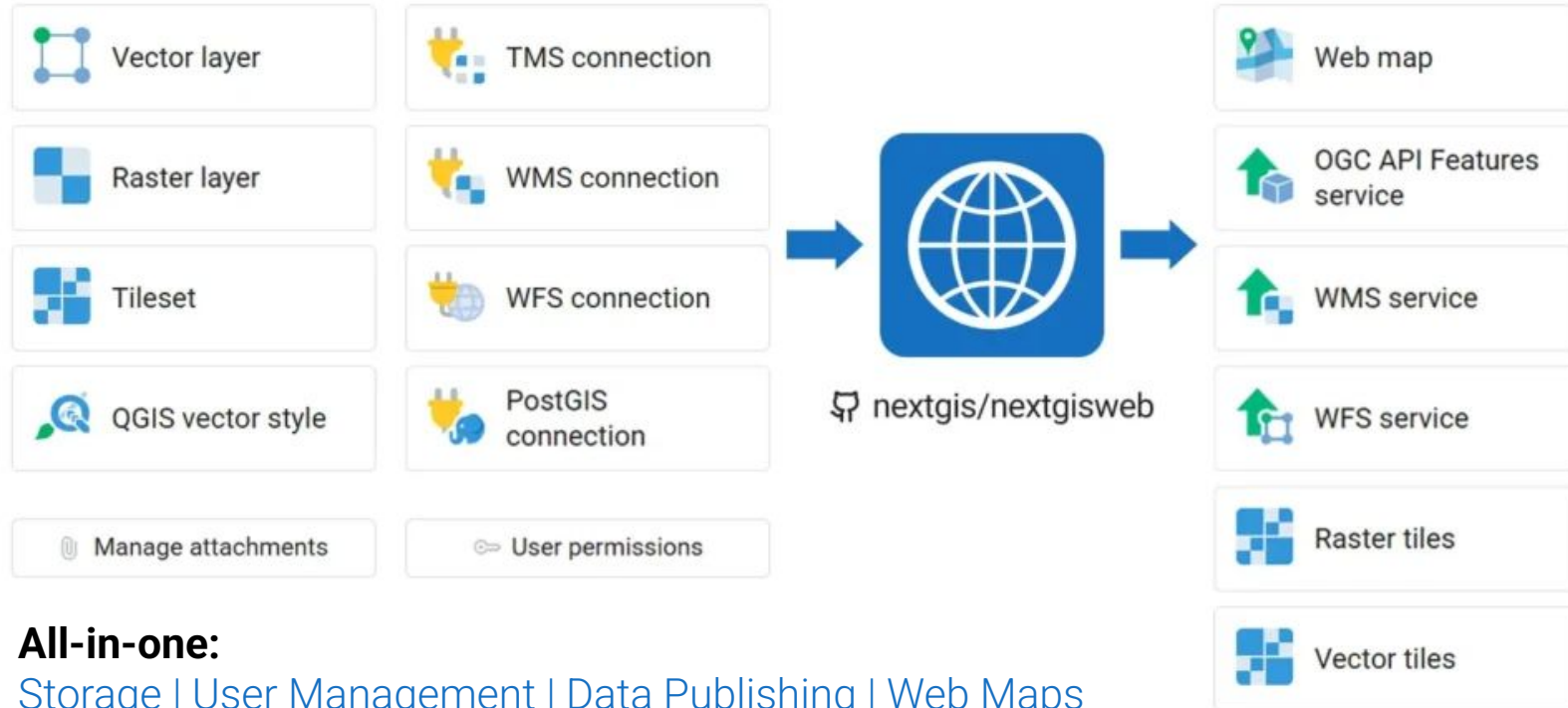
A lot of good components to build from...



... meet NextGIS's perspective on the problem

NextGIS Web

Open source Web GIS focused on data management



All-in-one:

[Storage](#) | [User Management](#) | [Data Publishing](#) | [Web Maps](#)

Ready-to-go solution for QGIS-based workflows



Key idea

Move beyond “data publishing”
towards an “integrated environment”

How to get started with NextGIS Web

In the cloud, right now

The simplest and fastest option



nextgis.com/pricing-base

On your own server

with Enterprise-level support and deployment



nextgis.com/pricing

Open Source

Core components are available



[nextgis/nextgisweb](https://github.com/nextgis/nextgisweb)

NextGIS Web CE Deployment



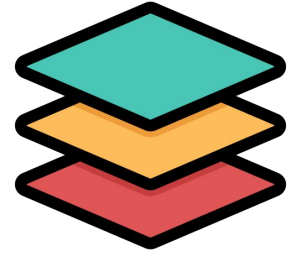
If you have Docker:

https://github.com/nextgis/nextgisweb_ce

If you don't:

<https://my.nextgis.com>

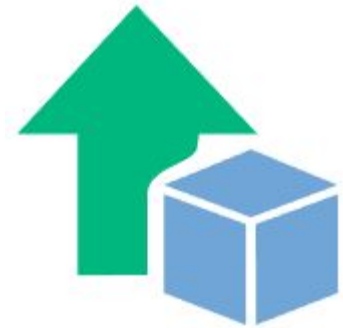
NextGIS Web basics



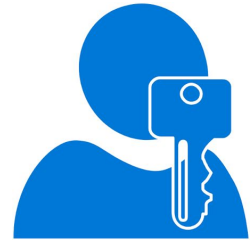
Publish a QGIS project



Publish data as a service



Manage users



Collaborate on the
published project



Ecosystem around NGW



There are great open source GIS solutions. Why NextGIS Web?



All-in-one:

data storage, user management, data publishing, web maps



Enterprise-level features out-of-the-box:

data version control, conflict resolution

State-of-the-Art QGIS integration

Helpful reading

From desktop GIS to team collaboration: setting up a shared QGIS workspace

<https://medium.com/@ee.kazakov/from-desktop-gis-to-team-collaboration-setting-up-a-shared-qgis-workspace-bb73eb20da2b>



Deploy your own open-source Web GIS server instance on a VPS in 15 minutes with Docker

https://dev.to/kazakov_e/deploy-your-own-open-source-web-gis-server-instance-on-a-vps-in-15-minutes-with-docker-1hp1



How to get started with NextGIS Web

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The simplest and fastest option



nextgis.com/pricing-base

On your own server

with Enterprise-level support and deployment



nextgis.com/pricing

Open Source

Core components are available



[nextgis/nextgisweb](https://github.com/nextgis/nextgisweb)

NEXTGIS

<https://nextgis.com>

info@nextgis.com

[linkedin.com/company/nextgis](https://www.linkedin.com/company/nextgis)



community.nextgis.com