

MANAGED HOSTING • SELF-PROVISIONED • TRULY OPEN SOURCE

Professional Geospatial Hosting for Open-Source GIS

GeoSpatial Hosting (GSH) gives your organisation private, production-grade instances of the GIS tools you already trust — provisioned in minutes, monitored around the clock, and free of vendor lock-in. Choose a service and a service level, and our automation platform deploys it for you. We built a **platform**, not a single product, so new geospatial offerings arrive fast.

• 100% open source

No proprietary lock-in. Move between providers with minimal change — you stay master of your own destiny.

• Provisioned in minutes

Pick a tier, confirm, and a private instance is deployed automatically by our orchestration stack.

• Managed & monitored

Backups, updates and observability handled by an expert DevOps and core-developer team.

• Backed by Kartoza

Core QGIS contributors and FOSSGIS specialists, with offices in South Africa and Portugal.

The GSH service catalogue

Each service runs as your own private, isolated instance. Subscribe to one, or combine several into a complete spatial data infrastructure — they are designed to work together (see overleaf).

PostGIS DATABASE	GeoServer OGC SERVICES	GeoNode CATALOGUE
 A powerful open-source spatial database — the single source of truth for your geometry, attributes and relationships. ROLE: DATA FOUNDATION	 An OGC-standards-compliant spatial data server that streams your data as WMS, WFS and WMTS to any client. ROLE: SERVING LAYER	 A geospatial content management system: catalogue, share and govern layers with rich metadata and permissions. ROLE: CATALOGUE & SHARING
G3W WEB PUBLISHING	GeoSight DASHBOARDS	QGIS Cloud Desktop COMING SOON
 Publish your QGIS projects on the web — pixel-faithful and straight from your .qgs project, with no re-styling. ROLE: WEB MAP PUBLISHING	 Situational-awareness dashboards and data visualization — turning live spatial data into decisions at a glance. ROLE: VISUALISATION	 A full QGIS desktop in your browser, billed by the hour. Author, edit and publish — with nothing to install. ROLE: AUTHORING



KARTOZA

OPEN SOURCE GEOSPATIAL SOLUTIONS

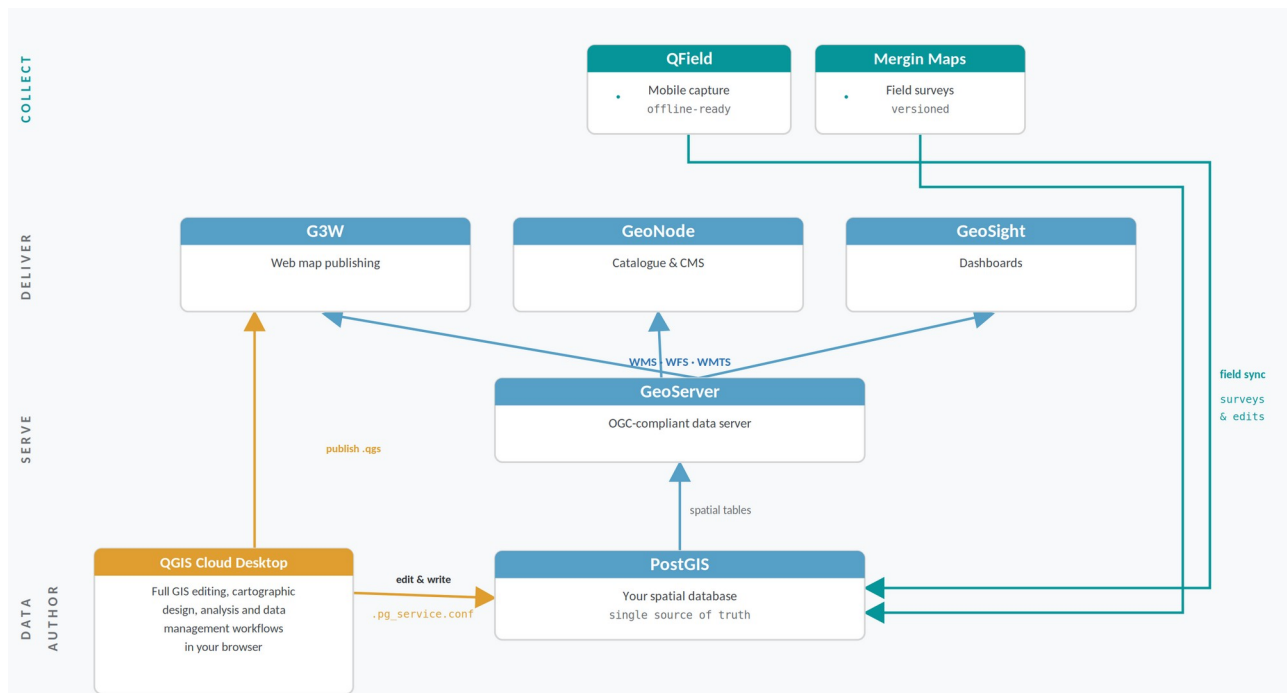
Talk to us about hosting

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One platform. Every layer connected.

GSH services are not silos. Teams capture data in the field on mobile, it syncs into your spatial database, a standards-compliant server publishes it, and your web maps, catalogue and dashboards bring it to life — while your authoring desktop writes straight back to the source. One coherent stack, all open source.

■ Available now ■ Coming soon — QGIS Cloud Desktop ■ Mobile field collection → direction of data flow



A typical workflow, end to end

- 1 Collect** — capture in the field with QField or Mergin Maps, then sync back online.
- 2 Store** — surveys and edits land in your PostGIS database; QGIS Cloud Desktop writes here too.
- 3 Serve** — GeoServer publishes those tables as OGC web services (WMS, WFS, WMTS).
- 4 Deliver** — G3W, GeoNode and GeoSight turn the data into web maps, catalogues and dashboards.

Why one connected stack matters

Because every layer speaks open standards (OGC services, the PostGIS spatial database, the QGIS project format), you are never locked to a single vendor. Add a service when you need it, retire one when you don't, and move the whole stack between cloud providers with minimal change.



Ready to map a better world?

MAPPING A BETTER WORLD WITH OPEN SOURCE

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Enterprise & deployment

Run GSH whichever way your organisation needs. The same modular, containerised platform deploys in our managed cloud or entirely inside your own infrastructure — with the commercial model to match.

 In the Cloud MANAGED SAAS	 On-Premise Enterprise FIXED MONTHLY FEE
Fully managed, multi-tenant hosting on our platform. Pick a service and tier, and we provision, monitor, back up and update it for you. ✓ Provisioned in minutes ✓ Per-hour or monthly billing ✓ Zero infrastructure to maintain	The same platform deployed inside your own data centre or private cloud — your data never leaves your walls. Billed as a predictable monthly service fee, not by the hour. ✓ Runs in your own infrastructure ✓ Predictable monthly service fee ✓ Backed by Kartoza support & updates

Built for enterprise

 Secure by design Encryption in transit and at rest, role-scoped access and isolated tenants.	 Single sign-on Integrates with your identity provider via Keycloak — one login across services.	 Containerised Every service ships as a container for clean, repeatable, portable deployment.
 Kubernetes-ready Orchestrate and scale horizontally on any conformant Kubernetes cluster.	 Modular Add a service when you need it, retire one when you don't. Pay only for what you run.	 Data sovereignty Keep data in your chosen jurisdiction or fully on-premise — you stay in control.



Field data, fully integrated

Capture in the field with **Mergin Maps** and **QField**, then sync straight back into your GSH stack. Surveys flow into PostGIS, publish through GeoServer, and appear live in your web maps and dashboards — a complete loop from the field to the boardroom.