



PRODUCT BRIEF

GeoPublisher

**Streamlined Workflow For
Spatial Layer Publishing**

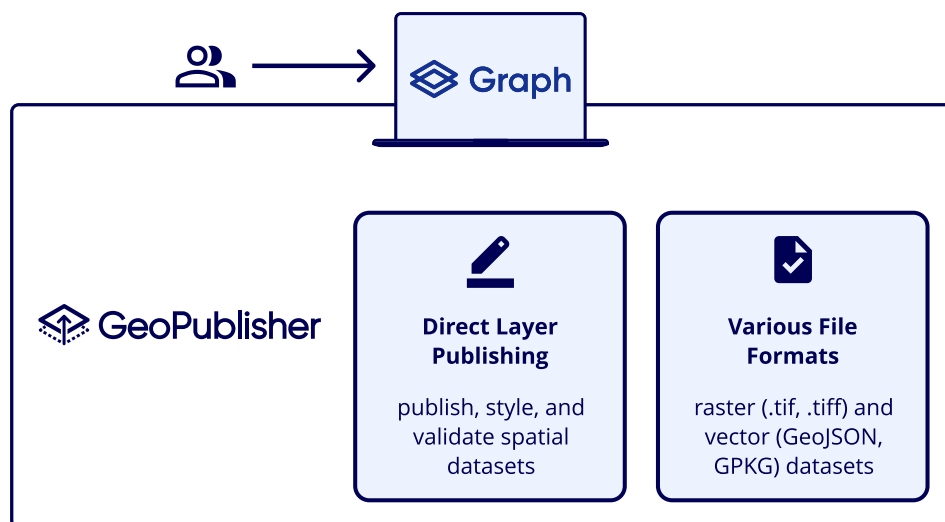
GeoPublisher

Product Overview

GeoPublisher is a streamlined publishing solution that unifies data preparation, validation, and publication into a single workflow. By removing dependencies on external tools and manual handoffs, it enables faster iteration and more efficient management of spatial layers.

Built for operational independence, GeoPublisher ensures repeatable workflows and consistent outputs. It supports frequent updates and pre-release validation, allowing teams to manage and refine geospatial layers within one controlled environment.

GeoPublisher at a Glance



Key Features and Capabilities



Sandbox Environment

A dedicated, isolated workspace where users can independently publish, style, and validate spatial datasets without impacting production systems.



Direct Layer Publishing

Enables publishing of raster (.tif, .tiff) and vector (GeoJSON, GPKG) datasets directly from prepared data, removing the need for intermediate tools or manual transfer steps.



Integrated Styling and Configuration

Supports styling through SLD and other configuration files, allowing consistent visual outputs and centralized management of layer presentation.



Validation of Published Services

Built-in validation ensures datasets are correctly rendered and accessible via WMS/WFS endpoints before being consumed downstream.



Fast Iteration and Updates

Supports rapid modification, validation, and republishing of layers, enabling continuous updates without disrupting dependent systems.



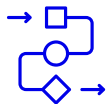
Operational Independence and Workflow Control

Users can execute the full publishing workflow (upload, style, validate, publish) within one environment, including refreshing or reloading data in connected systems.



Reduced Tooling Dependency

Eliminates reliance on external tools such as QGIS plugins and minimizes interaction with separate GeoServer interfaces, simplifying the overall stack.



Unified Publishing Layer

Combines data preparation, validation, and publishing into a single execution layer, reducing complexity and improving maintainability.



Stable, Repeatable Environment

Designed for frequent iterations, supporting regular updates and re-publication while ensuring consistent and reliable outputs.



Performance and Security Controls

Ensures publishing operations and service responses are delivered within practical timeframes, with access control and isolation to support secure experimentation.

Business Benefits

✓ Faster Time to Publication

Reduces the time between data preparation and live geospatial services, enabling quicker response cycles.

✓ Simplified Operations

Minimizes manual steps and reduces reliance on multiple tools, lowering operational overhead.

✓ Consistent and Reliable Outputs

Standardized workflows ensure that spatial layers are published in a structured, repeatable way across teams and environments.

✓ **Improved Maintainability**

A unified publishing pipeline reduces long-term maintenance effort and simplifies system management.

✓ **Greater Control and Autonomy**

Teams can independently manage publishing workflows without dependency on specialized GIS tooling or external support.

✓ **Secure Experimentation**

Sandbox isolation allows testing and validation without risk to production systems.

GeoPublisher is suited for:



Insurance &
Reinsurance



Finance &
Banking



Utilities &
Energy



Logistics &
Transportation



Government & Public
Sector



Quartile is an innovative company founded to help organizations harness the power of geospatial information and drive informed decision-making for their businesses. We use cloud-native technology and are enterprise-ready, delivering geocontent in a fast, flexible, and secure way for the world's largest corporations. Businesses use our products and services to translate real-world geospatial information into actionable insights and reach their full geolocation potential.



Ready to simplify your geospatial publishing workflow?

Reach out at **contact@quartile.ch**

Company Information

Headquarters: Baden, Switzerland
Development Centers: Arad and Timișoara, Romania
Founded: 2018
Core Expertise: Cloud-native
GeoServer-as-a-Service in any environment

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