Quarticle™

PRODUCT BRIEF

Rapid

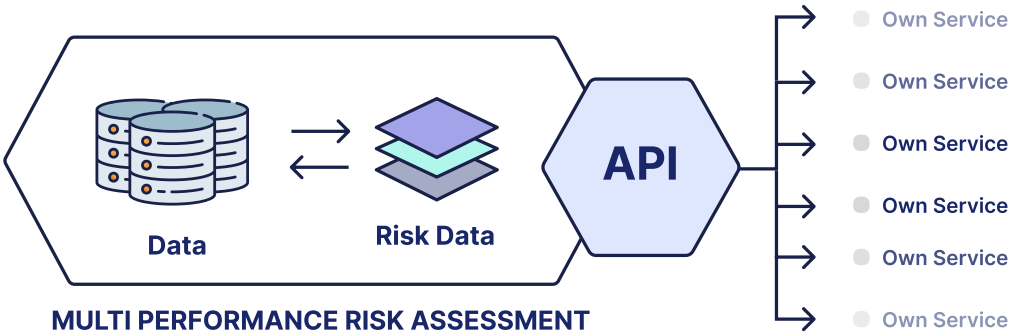
High-Performance GeoEnrichment API

Rapid
Product Overview

Rapid is a high-performance GeoEnrichment API built to process extremely large location datasets with speed and precision. It enriches millions of records with spatial attributes derived from vector datasets and raster-based layers, delivering consistent, structured outputs for downstream analysis and system integration.

> Blazing fast, cost-efficient, and easy to integrate, Rapid empowers our renewal processes and risk modeling. Fully automated geoprocessing and geo-enrichment of smaller books or larger portfolios are no longer an issue. We have reduced the amount of human intervention by more than 300%. From Core Insurance Systems to Scenario Modelling, all are connected and enabled within a short implementation phase.
>
> **Kai Ole Rogge,** Former Head of GIS, Global P&C Insurer with 150,000+ Employees

Rapid at a Glance



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Key Features and Capabilities

Real-Time Spatial Analysis

Analyzes location datasets in real time by intersecting coordinates with dynamic geospatial layers. Rapid identifies matching records and derives spatial attributes, enabling fast downstream processing in time-sensitive operations.

Massive-Scale Enrichment

Executes high-volume enrichment processes across millions of records in a single run. Rapid processes large datasets efficiently, supporting batch operations, continuous pipelines, and high-frequency workloads.

API-First Integration

Exposes enrichment and analysis capabilities through standardized, integration-ready APIs. Rapid connects directly with internal systems, data pipelines, and external platforms to enable seamless data flow.

Parallel Processing Architecture

Distributes enrichment tasks across multiple compute nodes, enabling high-throughput processing and consistent performance under heavy workloads.

Enterprise Readiness

Rapid is built for enterprise deployment with scalable architecture, automated data validation, and support for governed environments. Optional MCP Server integration enables structured interaction with enrichment processes for AI-driven and agent-based use cases.

Data Standardization & Validation

Validates, normalizes, and structures input data to ensure consistent enrichment results. Rapid produces standardized outputs that integrate reliably with downstream systems.

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Business Benefits

- **Faster Processing of Large Datasets**

  High volumes of location data are processed quickly, reducing turnaround times for analysis and operational workflows.

- **Seamless Integration into Existing Systems**

  Geospatial enrichment is embedded directly into current platforms and pipelines without additional reprocessing.

- **Reliable, Consistent Data Outputs**

  Enrichment results are consistent and reliable, reducing errors and rework across downstream workflows.

- **Scalable Performance as Data Grows**

  Consistent processing speed and reliability as data volumes and workload demands increase.

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Rapid is suited for:

- Large & Mid Corporations and Suppliers
- Risk Management & Compliance
- Other industries include:

Manufacturing & Production

Telecommunications

Energy & Utilities

Transportation & Logistics

Retail & E-Commerce

National & Global Public Health

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Quarticle™

Quarticle 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.

Transform large-scale datasets into analysis-ready outputs with high-performance processing.

Reach out at **contact@quarticle.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

contact@quarticle.ch

www.quarticle.ch

Brown Boveri Platz 3, 5400 Baden

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