

Realie Enhances Property Data API, Achieving Sub-10ms Latency

New API optimizations cut response times to under 10 ms, enabling real-time property data access with scalable, costeffective infrastructure.

WASHINGTON, DC, UNITED STATES, June 2, 2025 /EINPresswire.com/ --<u>Realie</u>, a pioneer in AI-powered real estate data solutions, announced significant updates to its Property Data API that have reduced average response times to under 10



milliseconds. These enhancements deliver near-instantaneous access to comprehensive property data, empowering businesses to build more responsive, scalable applications.

--<u>Industry Latency Benchmarks</u>: In recent comparisons of leading property data APIs, average response times were observed between 400 and 500 milliseconds

--Realie's Sub-10ms Performance: Following these updates, <u>Realie's API</u> now consistently delivers average latencies below 10 milliseconds—a more than 40× performance advantage over the industry baseline.

--High-Volume Throughput: With the new optimizations, fetching 100 records sequentially completes in under one second, dramatically improving data heavy workflows such as portfolio analytics or automated valuations.

--Scalable, CostDEfficient Infrastructure: Built on a serverless architecture that automatically adjusts computing resources based on demand, Realie's API not only achieves ultra-low latency but also maintains a cost structure that remains substantially lower than traditional providers.

"Today's businesses demand data at the speed of thought," said Alex Franzen, Collfounder & CTO of Realie. "By bringing average latency down to under 10 milliseconds, we're enabling real estate platforms, fintech applications, and market analytics tools to operate in real time—without sacrificing affordability or scalability."

Key Technical Improvements:

1. Advanced Query Routing: Realie's request handling layer now incorporates an optimized

routing algorithm that dynamically selects the lowest load compute instance. This ensures that each API call routes to a serverless function with the shortest queue time, reducing queuing delays and keeping end to lead latency under 10 ms for typical lookups.

2. In Memory Caching Enhancements: Frequently accessed datasets—such as standardized address lookup tables and county level boundary polygons—are now cached in a distributed in memory layer. This reduces the need for repeated disk I/O on cold queries, improving P50 response times by up to 30% over the previous implementation.

3. Parallelized Data Fetching: For multi parcel requests (up to 100 parcels per call), Realie now parallelizes fetch operations across multiple serverless instances. As a result, bulk data pulls that once incurred 100–200 ms per parcel now see sub 20 ms per parcel, preserving sub 1 second throughput for 100 parcel batches.

4. Smarter Throttling & Backoff: To eliminate "thundering herd" events during traffic spikes, Realie's API layer employs predictive throttling. It adjusts per [function concurrency limits in real time, preventing cold starts and ensuring consistent sub[]10 ms responses even under sudden load surges.

Benefits for Developers and Businesses:

--Instant User Experiences: Applications that rely on property lookups—such as home search portals, mortgage calculators, and interactive mapping tools—will now exhibit virtually no wait time. With Realie's sub[]10 ms latency, interactive workflows remain fluid and unbroken, even when chaining multiple API calls.

--Simplified Architecture: At latencies under 10 ms per call, developers can often handle queries sequentially in a single thread without needing complex batching or parallelism. This leads to simpler codebases and lower maintenance overhead.

--Scalable Cost Model: By leveraging a serverless backbone, Realie scales from zero to millions of queries per day without incurring idle infrastructure costs. The reduced compute time per request translates directly into lower per call pricing, benefiting startups and enterprises alike.

Background: Industry Latency Trends:

A recent performance analysis compared multiple property data APIs, revealing that average response times hovered between 400 and 500 milliseconds over a seven-day rolling period. Spikes up to several seconds were also observed under peak load conditions, forcing developers to adopt aggressive caching or parallel requests to hide latency. In contrast, Realie's updated API achieves average end-to-end latencies below 10 milliseconds, transforming the way real estate data can be consumed at scale.

About Realie:

Founded in 2024, Realie provides the next generation of property data solutions powered by artificial intelligence. By sourcing directly from county level records and leveraging serverless infrastructure, Realie delivers comprehensive, normalized property information—including ownership history, tax assessments, valuations, and geospatial details—through a developer-friendly API. Realie strives to make property data more accessible, affordable, and accurate, serving clients ranging from real estate startups to enterprise financial institutions.

Availability & Access:

The updated Property Data API is available immediately. Existing customers will see automatic performance improvements; new users can sign up for a free tier to test the low latency service.

Joshua Dormody Realie Inc. email us here Visit us on social media: LinkedIn X

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