

Point One Navigation's GraphQL API Enables Seamless Integration of Precision Location for Innovative Products

Developers building RTK-enabled products can now integrate precise location into products and services - at a fraction of the cost of traditional solutions.

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As a developer-focused company, we are excited to launch an API that vastly simplifies both integration and operations for RTK-enabled products.”

Aaron Nathan, Point One Navigation CEO

One Navigation's GraphQL API unlocks precision navigation - providing developers instant integration and unprecedented observability into [precision location](#) for their [GNSS](#) powered devices.

Today, Point One Navigation announces the public launch of its GraphQL API, delivering instant integration and unprecedented observability into precision location for GNSS-powered devices.

The GraphQL API radically simplifies development, eliminating the need for vendor libraries, intermediate data stores or working with convoluted networks of REST endpoints. Developers building RTK-enabled products can now seamlessly integrate precise location into their products and services - all at a fraction of the cost of traditional solutions.

Legacy REST-based APIs are built around how the vendor stores their data, not around how developers use that data.

Before developers can do anything useful, they need to learn all the vendor's endpoints, verbs, and relationships between entities across endpoints. Integration with these APIs has historically required costly infrastructure development to collect and store data for usage in applications. Besides the cost and complexity, this adds significant timing overhead that makes real-time operations impossible.

However, by using Point One's GraphQL API, developers can now send a single HTTPS request and receive plain, well-formed JSON data that can be used natively without an intermediate

datastore or application. Getting all the data needed from a single request drastically simplifies integration for developers. In most cases, the solution can be integrated into a RTK-enabled product within a single day, without costly additional infrastructure.

GraphQL subscriptions are available for real-time applications, enabling developers to subscribe to changes and events. This empowers developers to create reactive, event-based systems rather than having to juggle timers, polling intervals, and quotas.

“We’ve seen the adoption of precision location being held back by the lack of straightforward APIs for integration, credential provisioning, and management. As a developer-focused company, we are excited to launch an API that vastly simplifies both integration and operations for RTK-enabled products. We look forward to seeing the innovative products developers will create with this unprecedented technology, and are proud to provide unmatched observability,” says Aaron Nathan, Point One Navigation CEO.

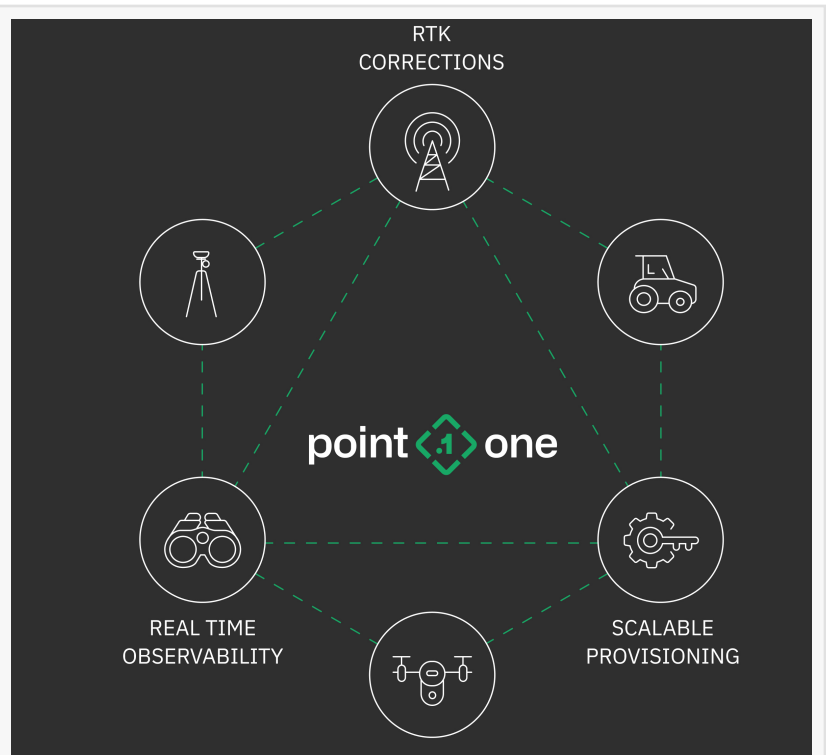
The GraphQL API enables effortless provisioning and credential management for product creators. Corrections can be automatically associated with devices, so there's no need to share NTRIP credentials with end users or provide support around NTRIP passwords and mount points.

Combined with a web-based management portal, the API is designed to empower product creators and operations teams to easily manage and troubleshoot devices or consume events in real time into their own systems.

To learn more about the GraphQL API, visit <https://pointonenav.com/graphql-API/>

About Point One Navigation

Point One Navigation specializes in building precise location services with accuracy down to a few centimeters at a cost 100x less than existing solutions. Even in challenging environments, where competing products fail, Point One’s Polaris RTK Network, sensor fusion and signal management deliver consistent accurate location, enabling customers to operate with a high degree of confidence.



Point One Navigation’s GraphQL API enables Precision Location for Innovative Products

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