precisely
Data Integrity Suite

Data Graph API

Access the world of data enrichment with a single API

Overview:

The Data Graph API exposes a vast network of connected data and leverages pre-established relationships between datasets for easy enrichment and accessibility. This solution is designed to be flexible, enabling a wide range of use cases across different industries. Available data categories include address, property, business, natural hazards, boundaries, demographics, and more.

The Data Graph API helps organizations:

- Make data more accessible
- Ensure that only relevant data is accessed
- Create faster, more responsive applications
- Make it easier to manage data vendor relationships
- Boost operational efficiency

The Data Graph API is built on a network of connected data that spans all our enrichment data products. Each dataset is given a unique identifier for an addressable location, the PreciselyID, allowing for easy linkage and interaction across our entire portfolio. This connected data network improves efficiency, increases transparency, and allows you to combine data from multiple sources in powerful new ways, adding value across your organization.

Benefits:

- **Informed Decision-Making:** Access accurate, comprehensive data that supports more confident and reliable decisions.

- **Get Exactly What You Need:** Request just the specific information you require, increasing data search efficiency.

- **Enhanced Performance:** Run applications faster and improve user experience by only retrieving necessary data.

- **Easier Data Integration:** Access hundreds of connected datasets and deliver insights through a single endpoint.

- **Up-to-date Information:** Access new data sources and solutions as they become available, ensuring that your data is always current and accurate.

- **Maintain, Adapt, and Scale with Ease:** Easily make updates, maintain data services, and handle more complex data requests as your needs evolve—all with a flexible design that doesn't require major changes.

- **Developer-Friendly:** Make it easier for developers to work with data, saving time and reducing the effort needed to incorporate enriched data into applications.
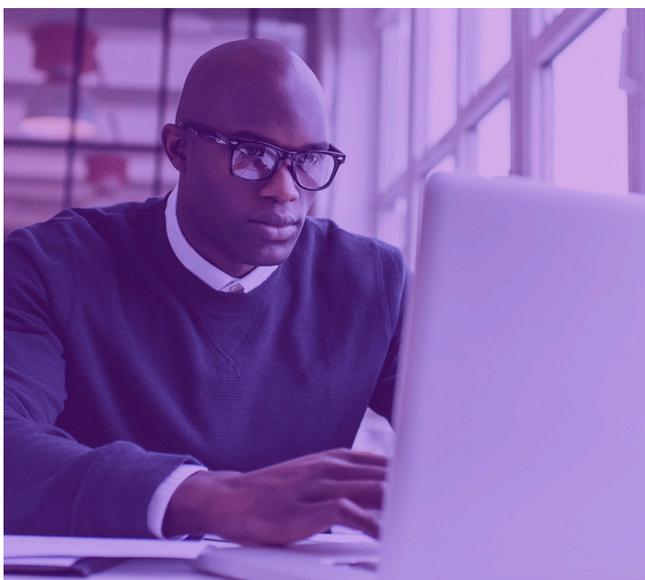
Understand data like never before

The Data Graph API offers a modern approach to accessing data, setting itself apart from traditional methods. It uses GraphQL, a technology that lets you request exactly the data you need, customized to your specific requirements. Unlike REST, which gathers data from multiple endpoints for different resources, GraphQL handles API requests through a single, unified endpoint that spans all available data sources. Additionally, responses from this endpoint are flexible, as the client's request dictates the server's response by specifying which resources, fields, and relationships to retrieve. This enables developers to fetch exactly the data they need with a single query.
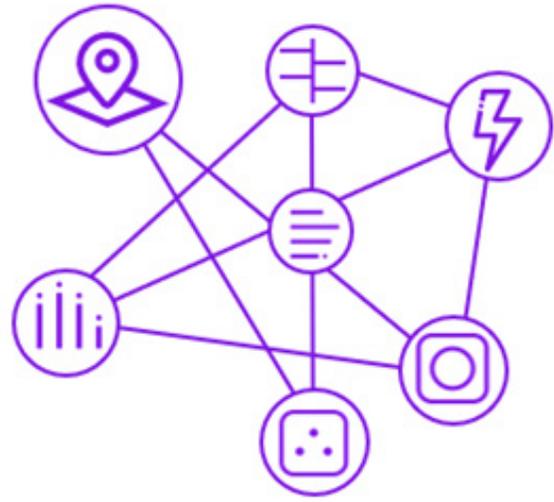
Unparalleled access
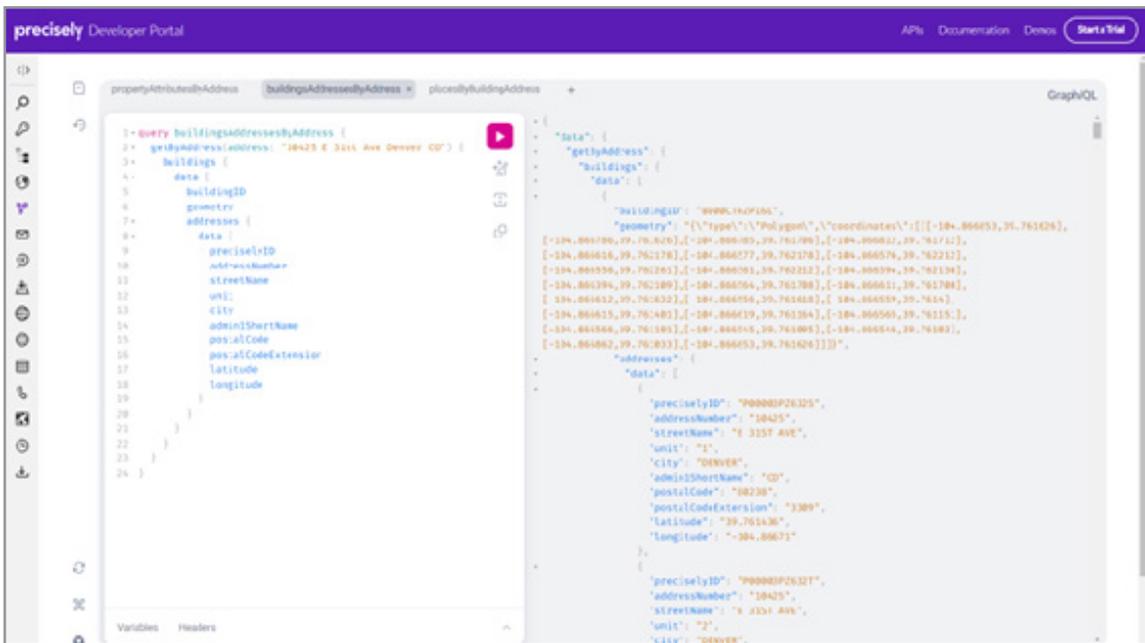
Features

- **Flexible Queries, One Access Point**
  - Retrieve attributes and surface relationships from our network of connected datasets via a single API, enabling you to uncover hidden patterns and trends while reducing the complexity of fetching data from multiple sources.

- **Enhanced Data Discovery**
  - Search for data based on its metadata, making it easier to discover relevant information.

- **Scalability and Performance Optimization**
  - VReduce the load on both servers and networks with GraphQL, making your data access more scalable, responsive, and ready to grow with your business.

- **Structured, Consistent, Accurate**
  - Our datasets are multi-sourced, curated, validated, and structured to ensure they support your data integrity goals.

To learn more about all the Enrichment data available from Precisely, see the **Precisely Data Experience.**