

GraphQL

What is GraphQL?

- GraphQL is a query language created by Facebook.
- An attempt to solve the problem of sending large amounts of data over slow mobile connections.

Key Terminology

- Queries
- Mutations
- Subscriptions
- Schema
- Resolvers

Queries

- Queries simply fetch data. They are fairly equivalent with a REST get request.

Mutations

- Any operation that changes or adds a record.
- Comparable to put, post, and delete

Subscriptions

- Realtime connection to the server to be immediately informed of important events.
- Follows the same syntax as queries and mutations.

Schema

- The schema specifies the capabilities of the API and defines how clients request the data.
- This provides structure but not behavior.

Resolvers

- Provides the behavior to the schema's structure.
- In a basic form a GraphQL server will have one resolver function per field in its' schema.