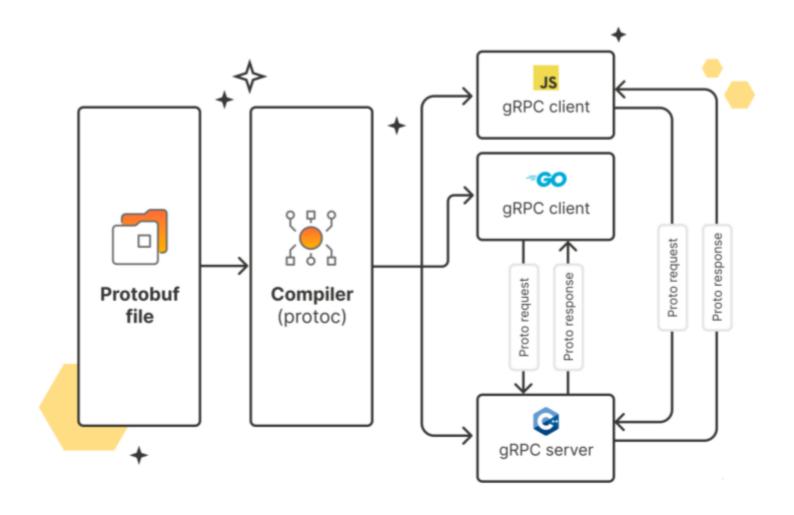
What is gRPC?





gRPC is a schema-driven framework that facilitates service-to-service communication in distributed environments.

It is a language-agnostic implementation of the RPC (Remote Procedure Call) protocol that supports streaming and strongly typed service contracts through its use of HTTP/2 and Protocol Buffers (Protobuf).

gRPC defines four primary service methods that are used for remote procedure calls (RPCs) between clients and servers. These methods represent the basic communication patterns between clients and servers.

Unary RPC: In a unary RPC, the client sends a single request to the server and waits for a single response. This one-to-one communication pattern is the simplest form of RPC, and it is similar to traditional HTTP requests. Server streaming RPC: In a server streaming RPC, the client sends a single request to the server and receives a stream of responses in return. Client streaming RPC: In a client streaming RPC, the client sends a stream of requests to the server and waits for a single response. This method is useful when the client needs to send a series of data to the server, and the server responds after processing the entire stream of requests.

Bidirectional streaming RPC: In a bidirectional streaming RPC, both the client and the server can send a stream of messages to each other concurrently. This enables real-time communication between the client and server, with the ability to send and receive messages as the need arises.

Thanks for reading!



