



Remote Procedure Calls

Andranik Barseghyan

<https://github.com/Rebiss/Presentation>

Introduction ...

What is gRPC ...

Protocol Buffer ...

Who's using gRPC and why!

What are you learning

gRPC service using Nodejs(Nestjs)!

gRPC client using Nodejs(Nestjs)?

Google

gRPC



gRPC

It is a language-independent, platform-independent framework for remote procedure call (RPC) and a Suite of tools developed at Google.

<protobuf>

Is a method of serializing structured data. It is useful in developing programs to communicate with each other over a network or for storing data.

Advantages

Offers type safety.

Message Broker.

Transmits data in binary.

Auto-generation of client code.

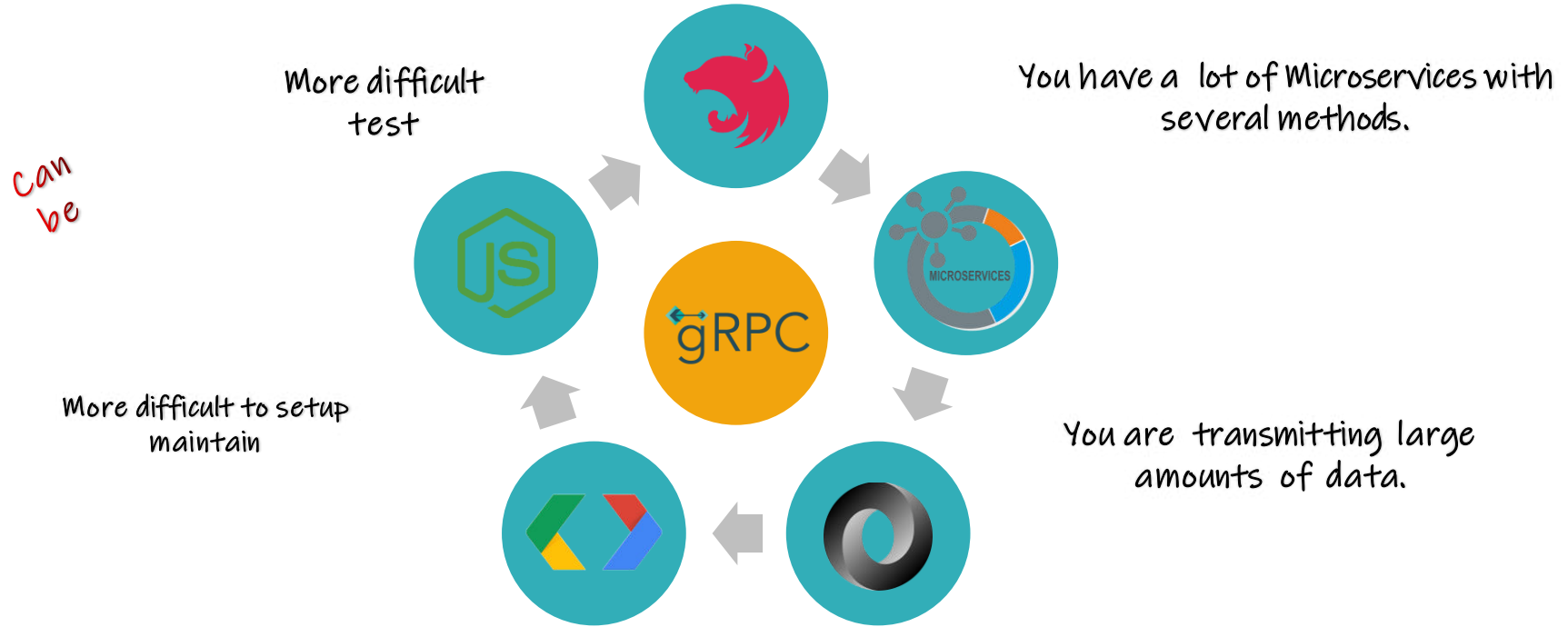
Disadvantages

More complicated to set up than
TCP/Redis/NATS.

Transmitted data is not human-readable.

Will not work with some cloud load balancer.

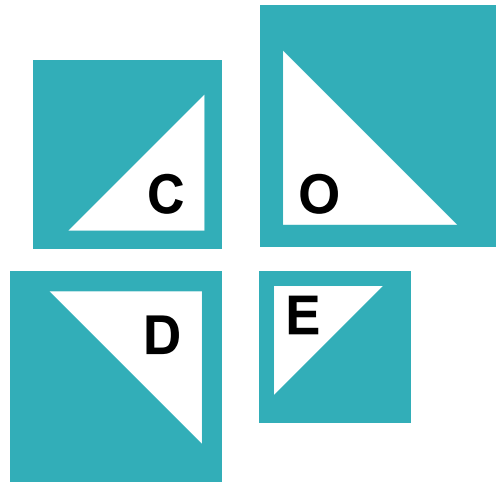
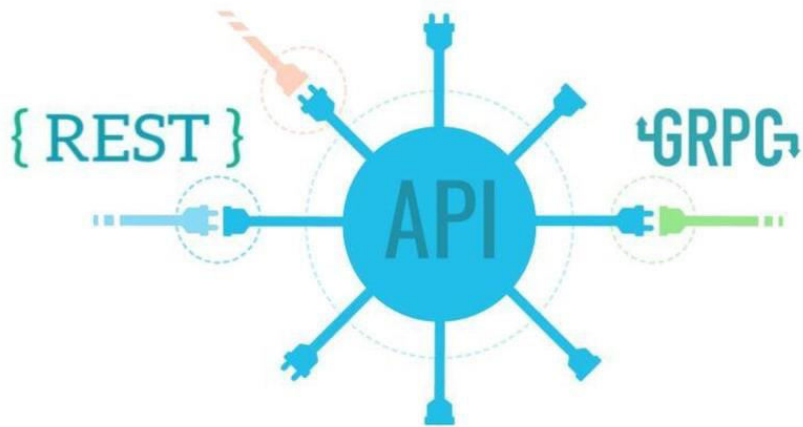
It is used by clients from different programming languages.



Example



gRPC



<https://github.com/Rebiss/nest-gRPC>

Thank you