

Join waitlist

You're signing up to receive emails from ByteSizeGo.



Waitlist

Building Production-Ready Services with gRPC and Go

Course • 55 Lessons

gRPC is the modern, high performance way to communicate across services.

You're signing up to receive emails from ByteSizeGo.



No filler content. Concise lessons with practical advice.



No experience with gRPC necessary. We start from the basics and finish with advanced topics.



Guided exercises along the way.



Purchase once, access forever.



Always up to date.



Receive a certificate for completing the course!

join the waitlist now to receive an exclusive, time-limited discount when the course launches.

Join waitlist

You're signing up to receive emails from ByteSizeGo.

Wondering what's in the course?

Contents

Introduction to Protobuf, gRPC & Protoc

≡ What are Protocol Buffers and What are the Benefits?

≡ What is gRPC?

You're signing up to receive emails from ByteSizeGo.

Building A Simple gRPC Service

- ≡ Defining a gRPC Service Contract
- ≡ Implementing a Server
- ≡ Implementing a Client
- ≡ Error Handling - Client & Server
- ≡ Exercise - Create your Own Application!
- ≡ Exercise Solution
- ≡ Running a Server Correctly

gRPC Streaming

- ≡ Implementing Server Streaming
- ≡ Implementing Client Streaming
- ≡ Implementing Bi-directional Streaming
- ≡ Exercise- Create Your Own Streaming Application!
- ≡ Exercise Solution

You're signing up to receive emails from ByteSizeGo.

- ≡ Implementing mTLS in gRPC
- ≡ Exercise: Add mTLS to Your File Upload Application
- ≡ Exercise Solution

Interceptors, Metadata & Authorization

- ≡ Interceptors - Introduction, Client Interceptors, Server Interceptors
- ≡ Setting Deadlines/Timeouts
- ≡ CallOptions & Metadata
- ≡ API key Authorization via Interceptors
- ≡ Auth via CallCredentials
- ≡ Exercise: Add Interceptor to Parse JWT Information
- ≡ Exercise Solution

Load Balancing in gRPC

- ≡ Client Service Config & Timeouts
- ≡ Automatic Client Retries in gRPC

You're signing up to receive emails from ByteSizeGo.

Testing gRPC Services

- ≡ Making gRPC Requests via Postman
- ≡ Making gRPC Requests via Grpcurl
- ≡ Creating Unit Tests for RPCs - Part 1 (Unary)
- ≡ Creating Unit Tests for RPCs - Part 2 (Streaming)
- ≡ Creating Integration/end-to-end Tests for gRPC Services - Part 1 (Unary)
- ≡ Creating Integration/end-to-end Tests for gRPC Services - Part 2 (Streaming)
- ≡ Exercise - Adding Unit Tests to our TODO Application
- ≡ Exercise Solution

Containerising & Deploying to Kubernetes

- ≡ What is Docker & Building a Go Service in Docker
- ≡ What is Kubernetes & What do I Need to do to Deploy There?
- ≡ TLS & Automatic Certificate Renewal Using LetsEncrypt
- ≡ Exposing a gRPC Service Part 1 - via LoadBalancer Service
- ≡ Exposing a gRPC Service Part 2 - via Ingress

You're signing up to receive emails from ByteSizeGo.

- ≡ Challenges With Maintaining A Large Number of Protobufs & What is Buf?
- ≡ Example Protobuf Registry Walkthrough
- ≡ ConnectRPC - Server & Client Implementation in Go
- ≡ ConnectRPC - Client Implementation for Web
- ≡ Buf Schema Registry & Dependencies Example - Protovalidate
- ≡ Exercise - Update our TODO Application to use ConnectRPC
- ≡ Exercise Solution

Wrap Up

- ≡ Thanks for Watching!

Frequently Asked Questions

Did we not answer your question? Contact us: hello@bytesizego.com

How long is the course?

Can I see a sample before purchasing?

I don't like the course, can I have my money back?

You're signing up to receive emails from ByteSizeGo.

Can I use my training budget at work to pay for this course?

How long will I have access to the course?

Is the course IDE specific?

You're signing up to receive emails from ByteSizeGo.



About the Course Author

You're signing up to receive emails from ByteSizeGo.

paced, hyper-growth startups, spanning across many different industries, including finance, cybersecurity, and the public sector.



[Terms of Service](#) [Privacy Policy](#)