

Creating gRPC Servers with Go



Michael Van Sickle

@vansimke



Introduction



Generating Source Code

Creating a Secure Connection

Receiving Metadata

RPC Calls

- Unary
- Server Streaming
- Client Streaming
- Bidirectional Streaming

Integrating gRPC into Real Apps



Generating Source Code

```
# install gRPC tooling
```

```
go get -u google.golang.org/grpc
```

```
#install protocol buffer tooling
```

```
go get -u github.com/golang/protobuf/proto
```

```
go get -u github.com/golang/protobuf/protoc-gen-go
```



Generating Source Code

```
protoc
```

```
-I ./pb
```

```
./pb/messages.proto
```

```
--go_out=plugins=grpc:./src
```



Summary



Generating Source Code

Creating a Secure Connection

Receiving Metadata

RPC Calls

- Unary
- Server Streaming
- Client Streaming
- Bidirectional Streaming

Integrating gRPC into Real Apps

