



code intelligence

# Using C++ from Go

Hi!

I'm Henning Perl from Code Intelligence

# Outline

Main topics:

- cgo basics
- How to call C++ code from Go
- Best practices on how to communicate between C/C++ and Go (to be discussed!)

Side topic:

- Bazel!

Not covered:

- Calling Go from C/C++

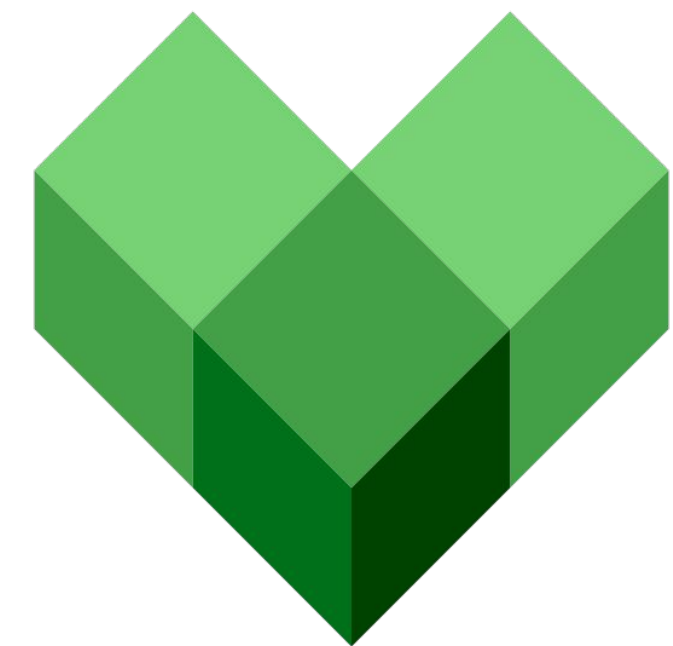
# Play along!

<https://github.com/hperl/cppgo-demo>

1. `git clone https://github.com/hperl/cppgo-demo.git`
2. Install bazel → <https://bazel.build>
3. `bazel build //`

Why bazel?

- Multilanguage!
- Deterministic through hermetic builds!
- Extensible!



## Final remarks before code

Idea: Print functions of a C/C++ file

Bird's eye view of the implementation

- Use Clang / LibTooling for parsing and traversing the AST
- Use Protobuf to pass information from C++ to Go
- Wrap everything in a Go library
- Call that library from a Go executable