

Go

The “What?”

- High-level
- Garbage collected
- **Statically typed**
- **Strongly typed**
- **Structurally typed**
- **Compiled**
- **CSP-style concurrency**
- **Maven-style package management***

The “Why?”

- Simple language
- Powerful standard library
- Mature ecosystem
- Growing job opportunities
- Comfortable experience

The “Where?”

- Web Development
- CLI Utilities
- Network Services
- System applications

The “How?”

1. Install Go toolchain (compiler, package manager, formatter, etc...)
2. Setup IDE/Editor (Goland, VSCode + Go plugin)
3. Setup project
4. Start learning
5. ...
6. Profit???

The “Good”

- Simple and easy to use language
- Simple and easy to use tooling
- Mature libraries and frameworks
- Backed by large companies

The “Bad”

- Module system
- Generics with runtime cost
- Easy to write code with data races
- Error handling

The “Ugly”

- Date parsing
- Dependency management
- Implementing interfaces implicitly
- Able to define methods of anywhere
- Easy to write code with data races
- Error handling

The “Summary”

- What?
- Why?
- Where?
- How?
- Code examples
- The Good, The Bad and The Ugly