

Hello World



Nigel Poulton

Author & Trainer

@nigelpoulton nigelpoulton.com



Overview



Modules, Packages, and Source Code

Initializing a Go Module

Writing Your First Program

Functions Primer

Importing Packages

Running and Compiling Go Apps

Configuring Visual Studio Code

Recap



Modules, Packages, and Source Code



Version Check



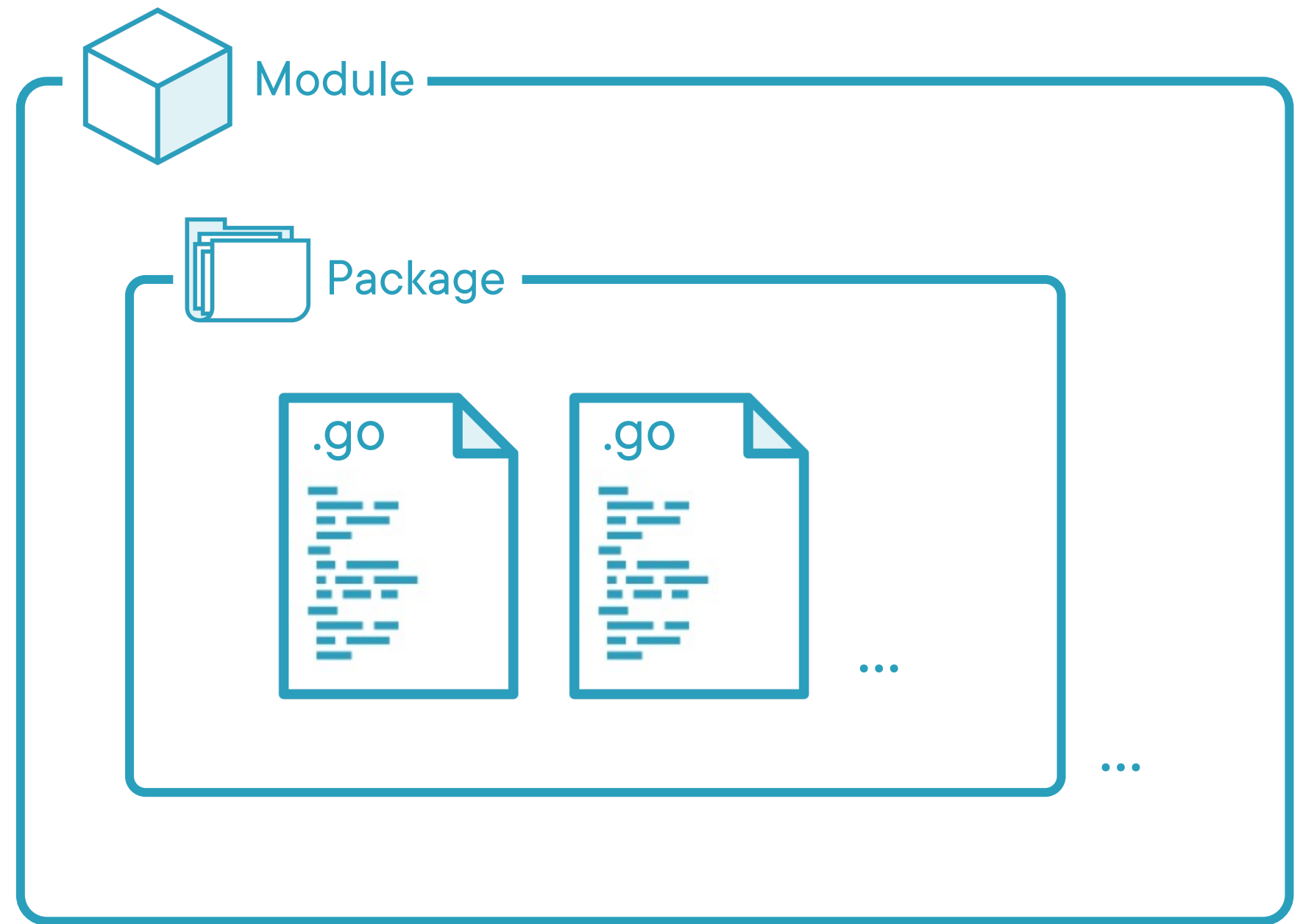
Go versions 1.14 and newer will work fine

Go versions 1.11, 1.12, and 1.13

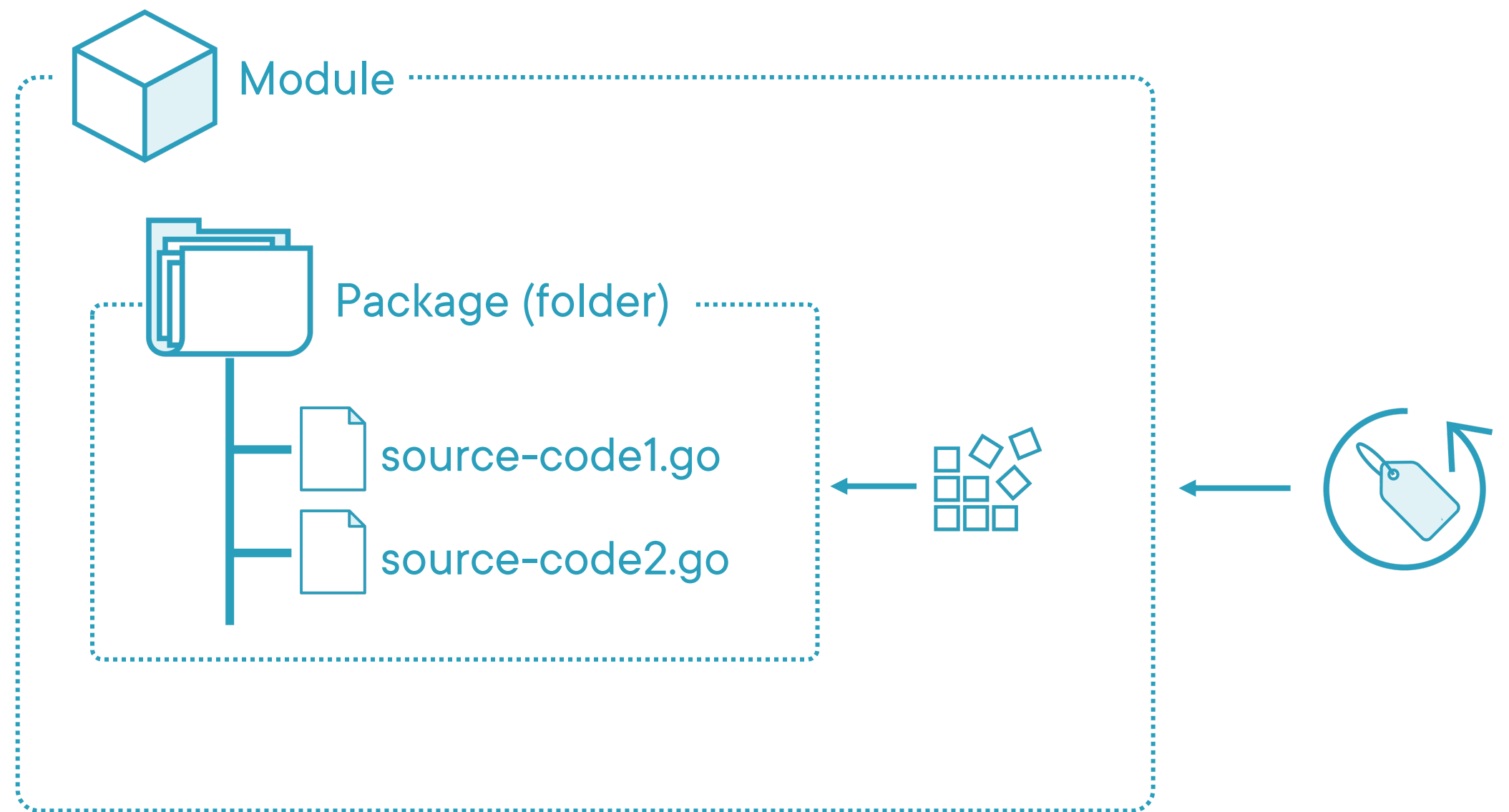
- `$G011MODULE` must be set to “on”



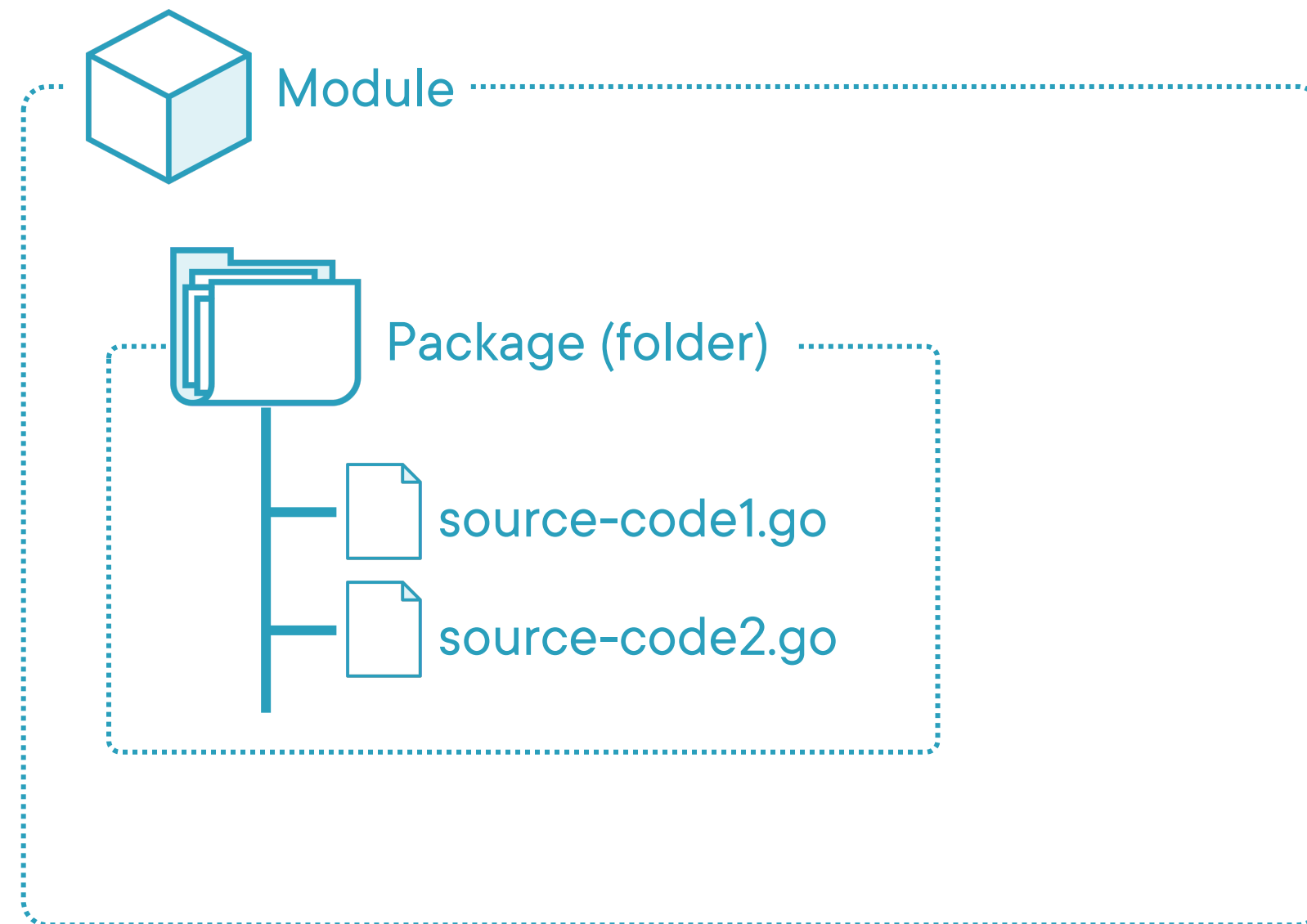
Modules, Packages, & Source Code



Modules, Packages, & Source Code

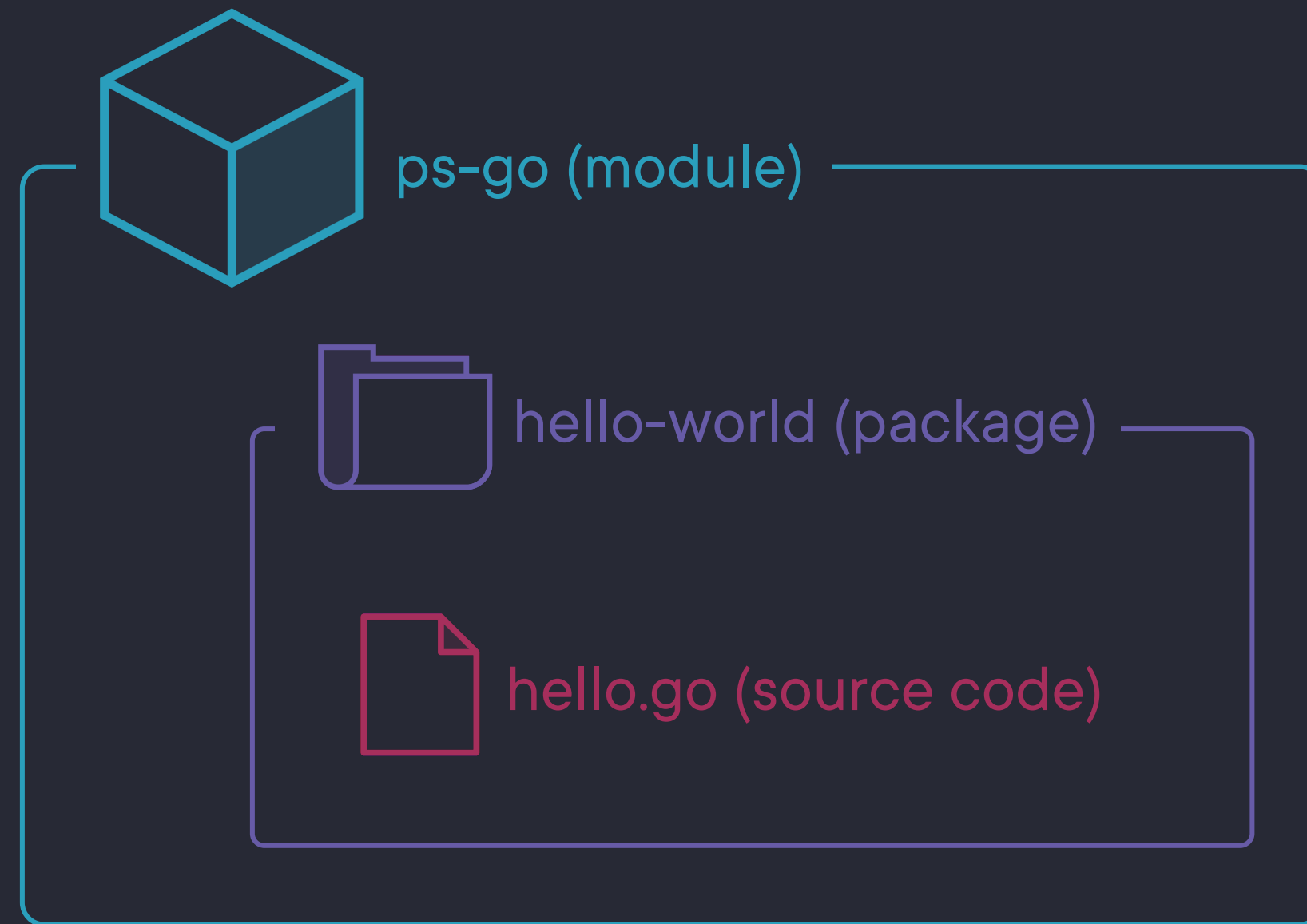


Modules, Packages, & Source Code



Initializing a Go Module





Run

Build

Install



Run

For dev and
testing

Build

Install



Run

For dev and
testing

Build

Creates app when
ready to ship

Install



Run

For dev and
testing

Build

Creates app when
ready to ship

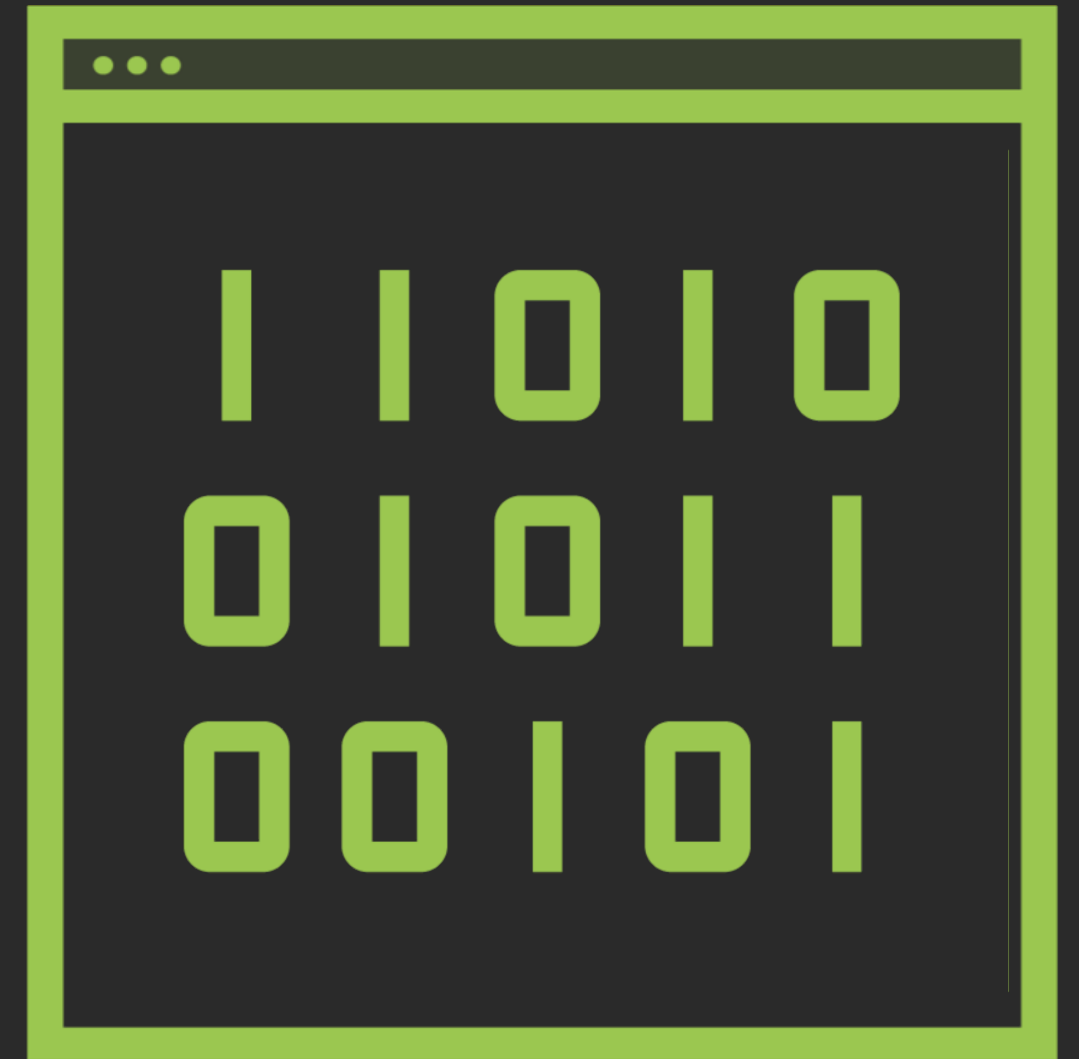
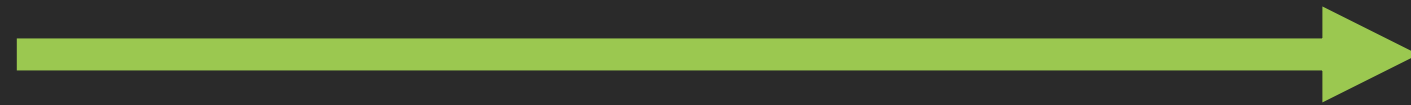
Install

Installs locally



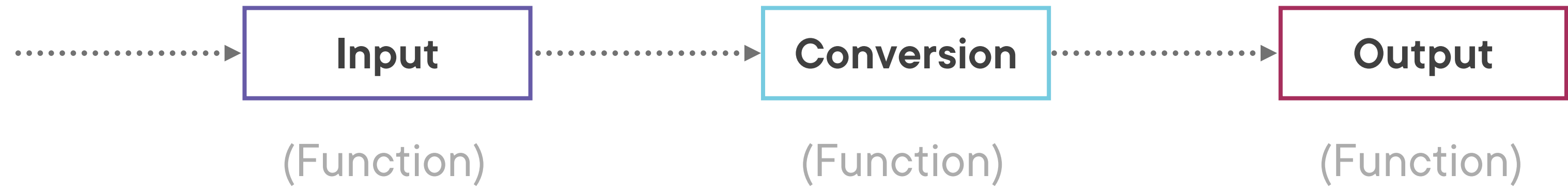


Compile



Functions Primer






```
func <name> (params) (returns) {  
    <code>  
}
```

“func” is a Go *keyword* indicating the start of a function

<name> should be something meaningful

Arguments and return values are passed inside parenthesis

Function code goes between the curly braces

Up Next:
Visual Studio Code



Visual Studio Code



Relevant Notes



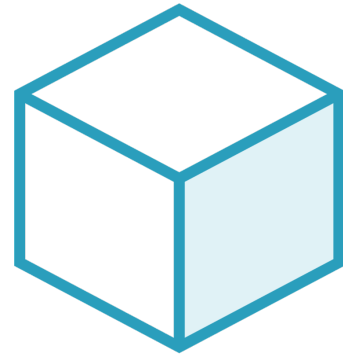
This lesson will be quick

Some of the detail may change over time

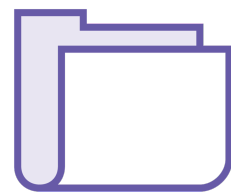


Recap





Module
(Dependency and version tracking)



hello-world package



hello.go (source code)



go run

For dev and
testing

go build

Compiles an
executable app



Up Next:
Working with Variables and Constants

