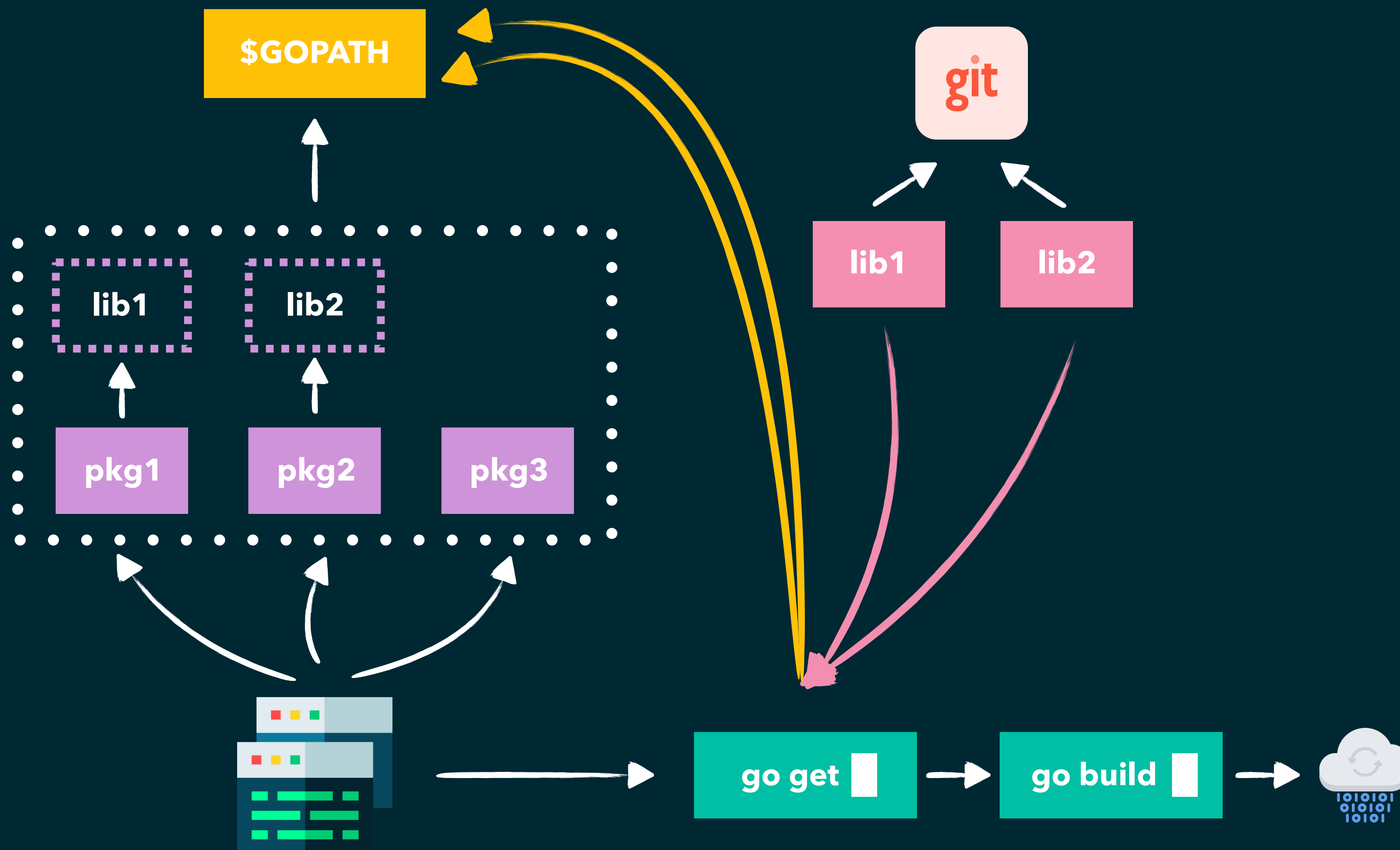




vendor dir in Go

# THE PROBLEM



# VERSIONING



lib1

lib2

■ master → v2.1.0

■ master → v3.1.1

■ v1.0.0

■ v1.0.0

...

...

■ v2.1.0

■ v3.1.2

# SEM VER

■ v3.1.2

■ **major** - breaking changes

■ **minor** - features, improvements

■ **patch** - patches, bug fixes



# GO 1.5 VENDOR EXPERIMENT

```
package main
```

```
import(
```

```
    _ "github.com/steevehook/project/package1"
```

```
    _ "github.com/steevehook/project/package2"
```

```
    _ "github.com/steevehook/project/package3"
```

```
)
```

**\$GOPATH/src/github.com/steevehook/project**

package1

package2

package3

main

 **vendor/github.com/steevehook/project**

package 3



# HOW DO IMPORTS RESOLVE?

**main.go**

```
import "github.com/u/p/pkg1"
```



`$GOPATH < vendorN < vendorN-1 < ... < vendor0`



`$GOPATH/src/github.com/u/p/pkg1`

...



`$GOPATH/src/github.com/u/p/pkg1`

...



`$GOPATH/src/github.com/u/p/pkg1`

...



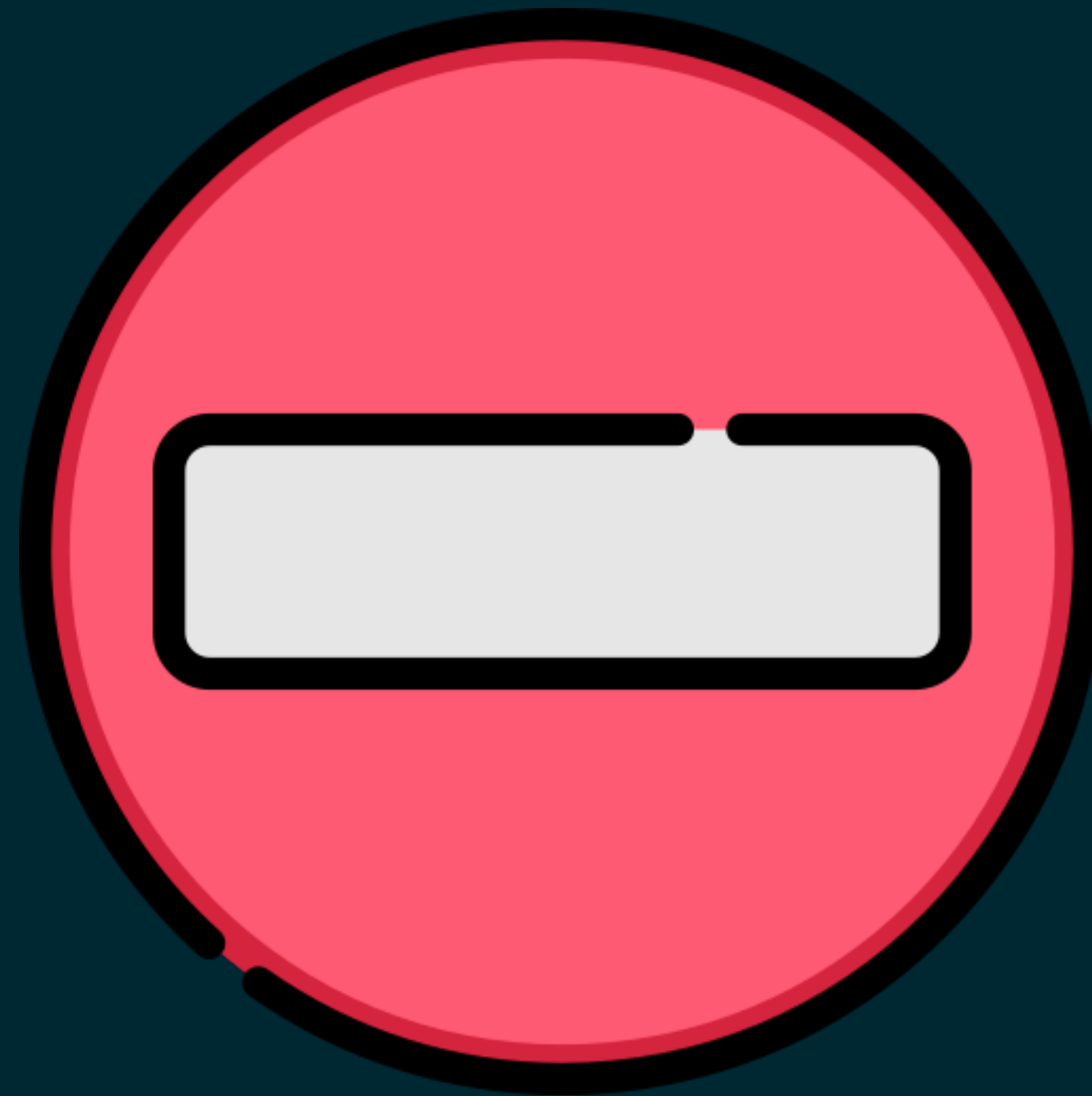
`$GOPATH/src/github.com/u/p/pkg1`



`main.go`



# NESTED VENDOR DIRECTORIES?



# IMPORTS INSIDE VENDOR



`$GOPATH < vendorN < vendorN-1 < ... < vendor0`



# IMPORT SHADOWING

**\$GOPATH**/src/github.com/steevehook/project

package1

package2

package3

main

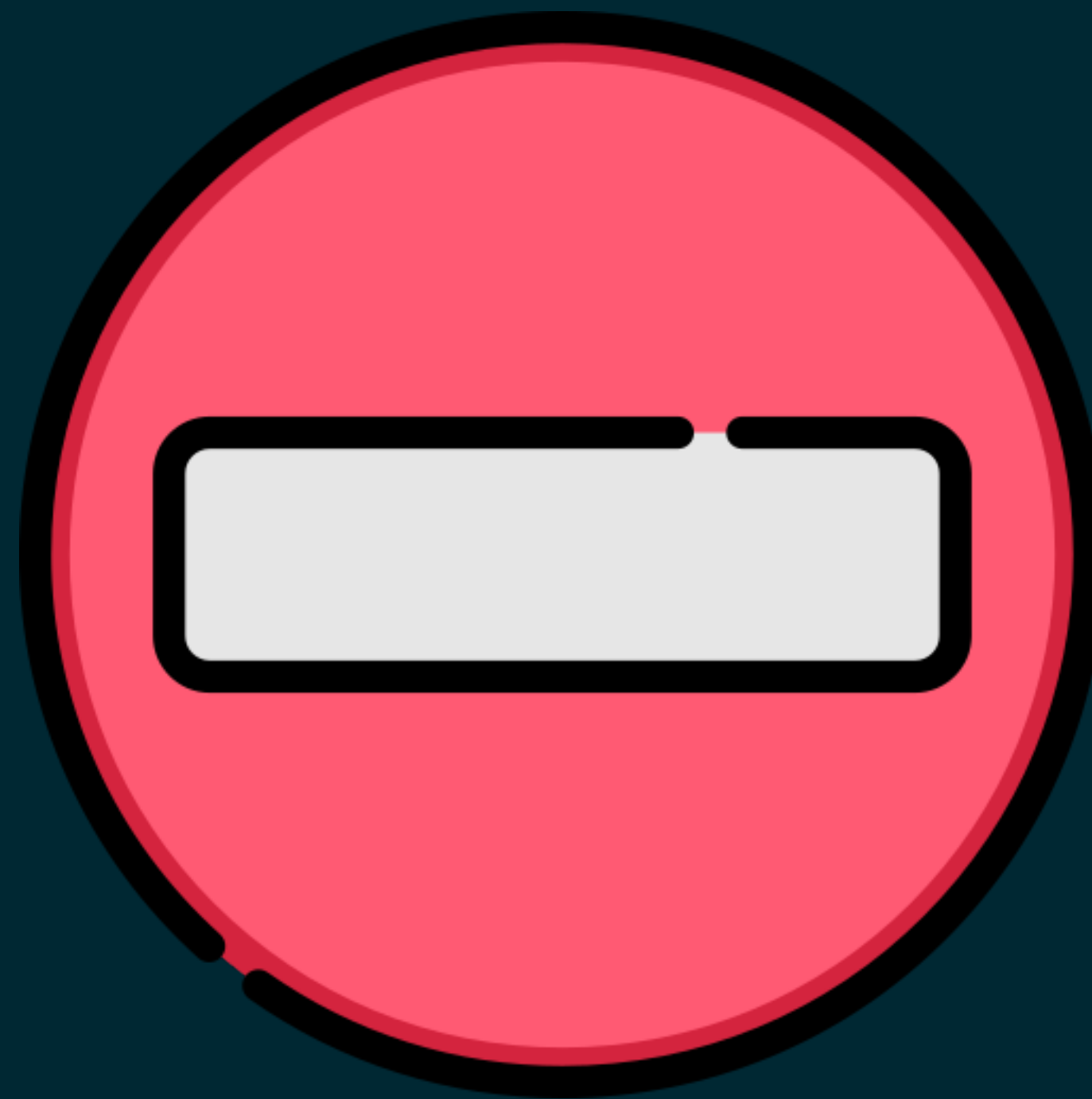


**vendor**/github.com/steevehook/project

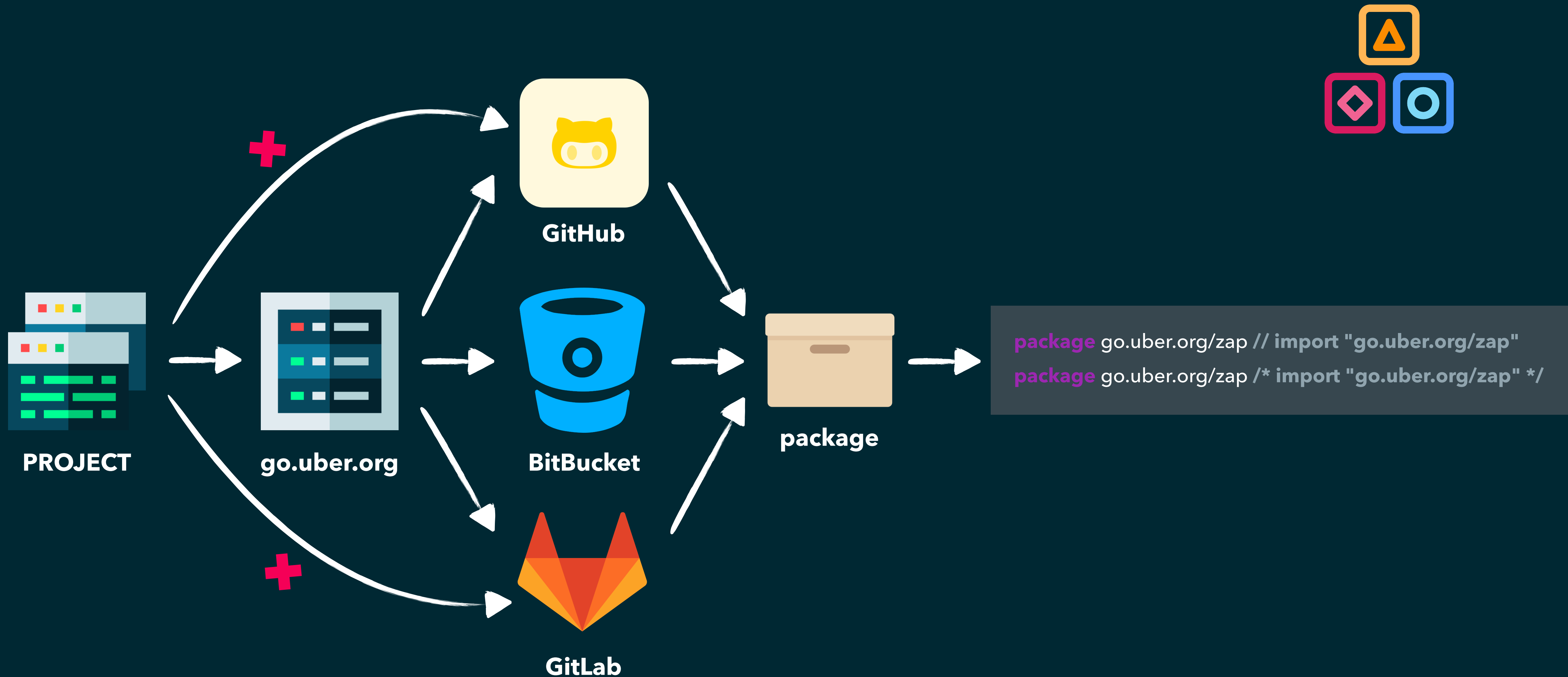
package 3



# IMPORT PATH CHECKING IS DISABLED FOR VENDOR



# IMPORT PATH CHECKING



# GO GET DOES NOT UPDATE VENDOR



go get



\$GOPATH



vendor