

Como migrar do GoDep para o Go Modules sem medo

Júlio Lustosa
Engenheiro DevOps

globo
.com



Primeiros Passos

GO 1.11+

`$GO111MODULE=on`



Fim do GOPATH Obrigatório

```
$ mkdir -p ~/dev/golang
```

```
$ cd ~/dev/golang
```

```
$ git clone https://github.com/tsuru/tsuru
```

```
$ cd tsuru
```

```
$ export GO11MODULE=on
```

```
$ go mod init github.com/tsuru/tsuru
```

Cópia dependências do GoDep

```
julio@julionote:~/dev/golang/tsuru$ go mod init github.com/tsuru/tsuru
```

```
go: creating new go.mod: module github.com/tsuru/tsuru
```

```
go: copying requirements from Gopkg.lock
```

```
go: converting Gopkg.lock: stat github.com/rancher/kontai
```

```
go: creating new go.mod: module github.com/
```

```
go: copying requirements from Gopkg.lock
```

```
go: converting Gopkg.lock: stat github.com/
```

Versão no arquivo **Gopkg.lock**

≡ *Gopkg.lock* *Gopkg.lock*

```
[[projects]]  
  digest = "1:28181cff95634e84b01ac  
  name = "cloud.google.com/go"  
  packages = ["compute/metadata"]  
  pruneopts = "NUT"  
  revision = "a5913b3f7deecba45e98f  
  version = "v0.10.0"
```

Versão no arquivo **go.mod**

```
≡ go.mod go.mod
```

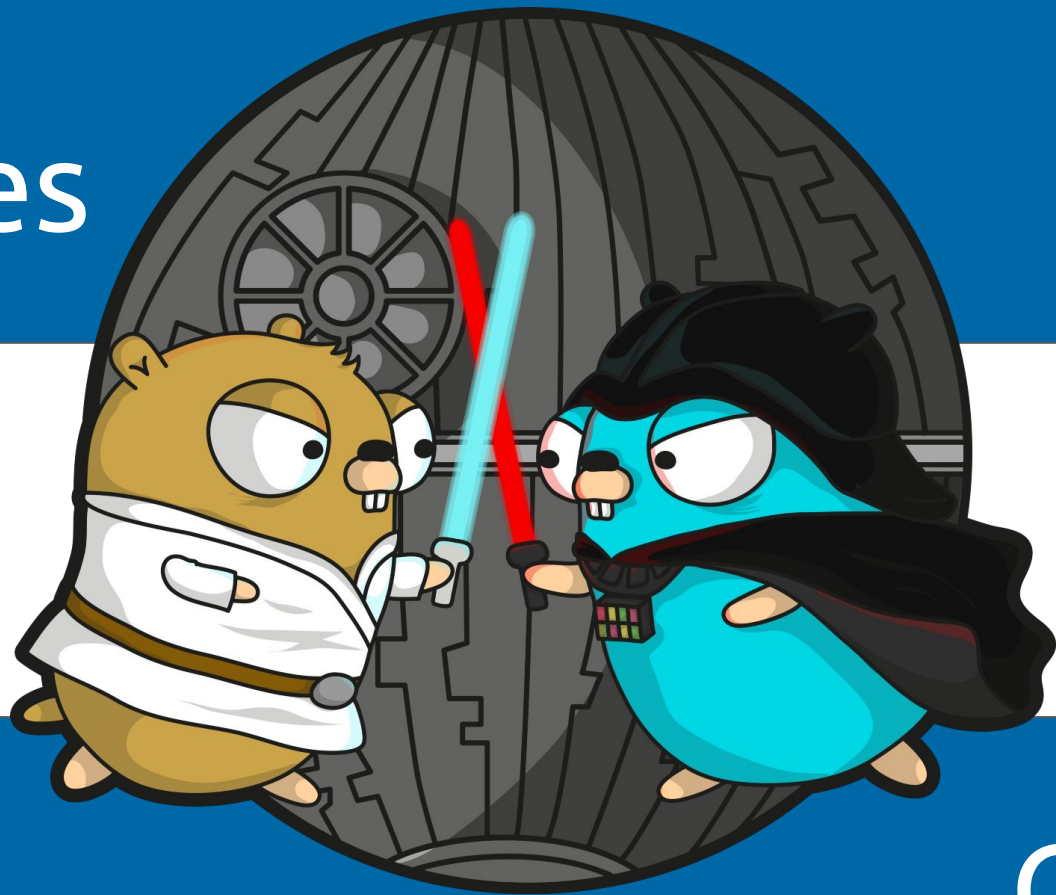
```
module github.com/tsuru/tsuru
```

```
go 1.12
```

```
require (
```

```
    cloud.google.com/go v0.10.0
```

Go Modules



GoDep

go mod verify

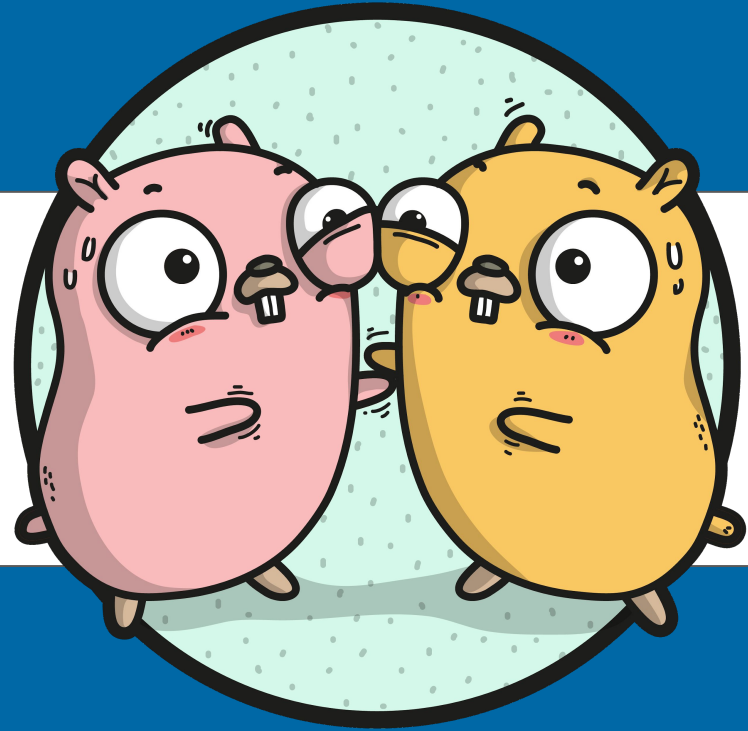
```
julio@julionote:~/dev/golang/tsuru$ go mod verify
go: finding github.com/diego-araujo/go-saml v0.0.0-20170526170210-115109910000
go: finding github.com/Microsoft/go-winio v0.0.0-20170603204602-7386a98f656d
go: finding github.com/docker/go-connections v0.4.0
go: finding github.com/PuerkitoBio/urlesc v0.0.0-20170816154922-cdb257e548d0
go: finding github.com/PuerkitoBio/purell v1.1.0
go: finding github.com/coreos/go-semver v0.2.0
```


go get pacote@(tag ou branch)

```
$ go get github.com/pkg/errors@v0.8.1
```

```
julio@julionote:~/dev/golang/tsuru$ go get github.com/pkg/errors@v0.8.1  
go: finding github.com/pkg/errors v0.8.1  
go: downloading github.com/pkg/errors v0.8.1  
go: extracting github.com/pkg/errors_v0.8.1
```

Gerenciando Múltiplas versões



```
package hello
```

```
import (  
    "rsc.io/quote"  
    quoteV3 "rsc.io/quote/v3"  
)
```

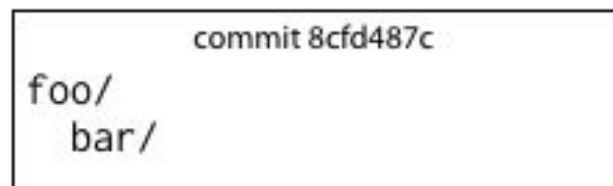
```
func Hello() string {  
    return quote.Hello()  
}
```

```
func Proverb() string {  
    return quoteV3.Concurrency()  
}
```

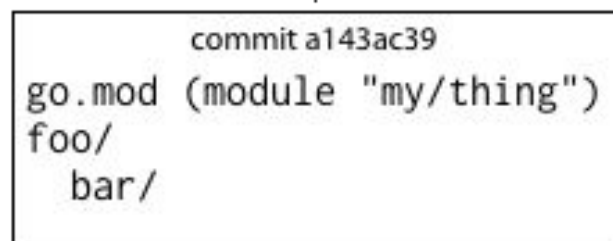
rsc.io/quote v1.5.2

rsc.io/quote/v3 v3.1.0

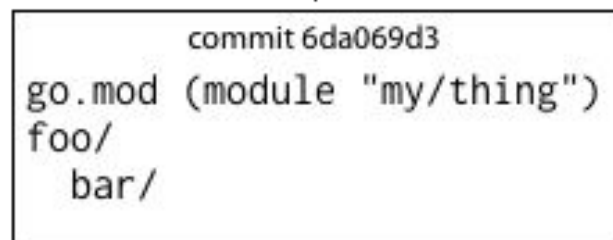
master branch



← **tag v1.0.0**

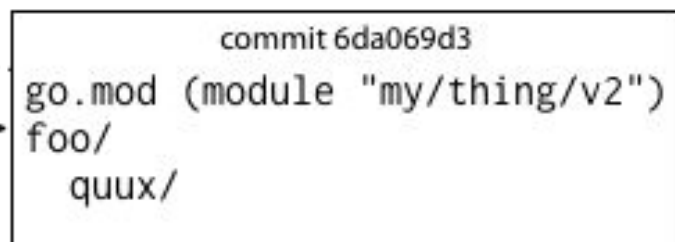


← **tag v1.0.1**

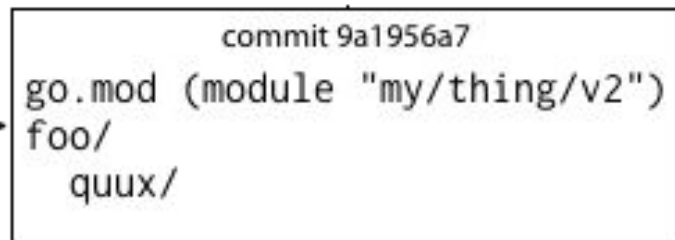


← **tag v1.1.0**

v2 branch



tag v2.0.0 →



tag v2.0.1 →

Estamos contratando

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**Obrigado !
Júlio Lustosa**



[linkedin.com/in/juliolustosa](https://www.linkedin.com/in/juliolustosa)