



tsuru

O caminho para deploys rápidos e simples



WHO AM I

desenvolvedor na globo.com desde 2008
tsuru core developer
curte contribuir com projetos open source

@andrewsmedina

“Software deployment is all of the activities that make a software system available for use.” - wikipedia

DEPLOY TIMELINE

FTP/SCP



PUPPET/CHEF



SSH COMMANDS



TSURU



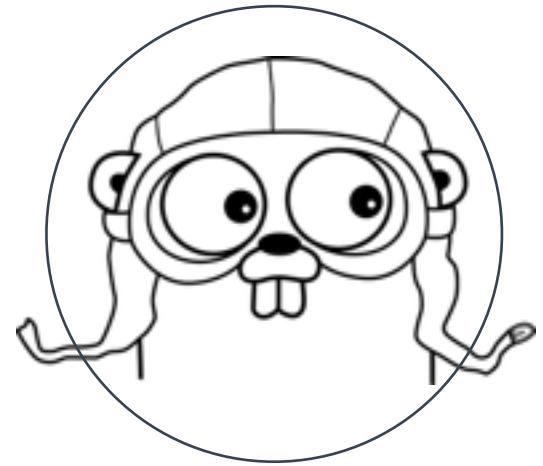


tsuru

O caminho para deploys rápidos e simples

diminuir o tempo que uma
aplicação entra em produção

tsuru



USE SUA
LINGUAGEM FAVORITA
GO



SIMPLES E RÁPIDO



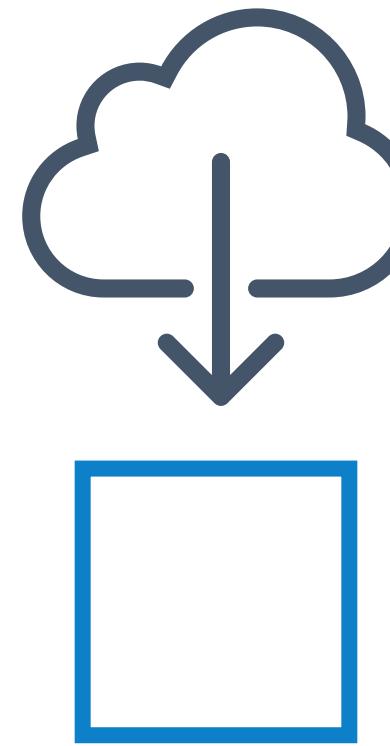
USE RECURSOS
DE FORMA INTELIGENTE



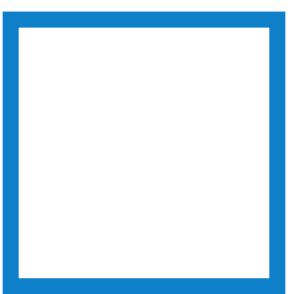
RESILIENTE

Deploy

```
$ tsuru app-deploy -a minhaapp -i grafana/grafana
```

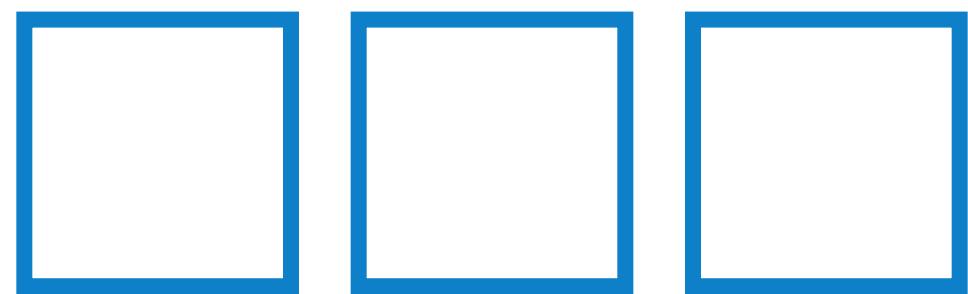
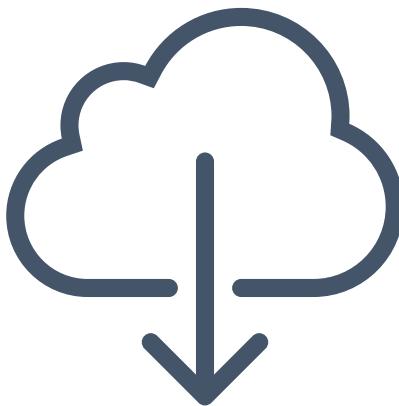


Scale

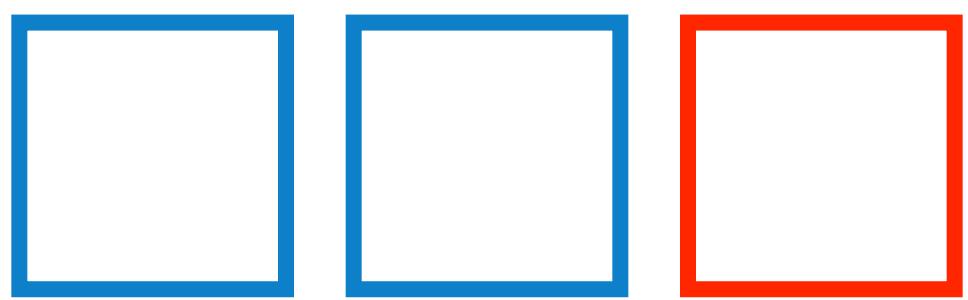


Scale

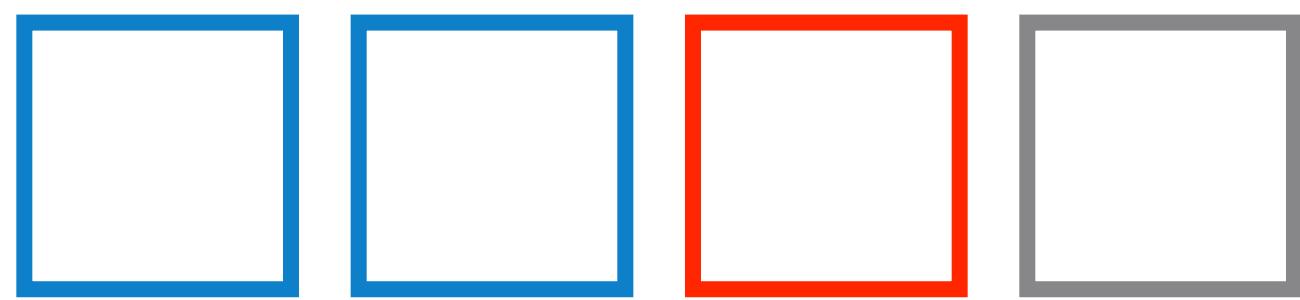
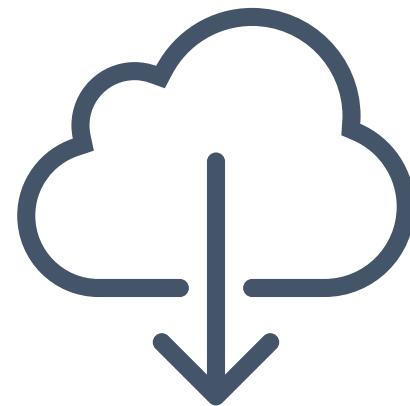
```
$ tsuru unit-add 2 -a minhaapp
```



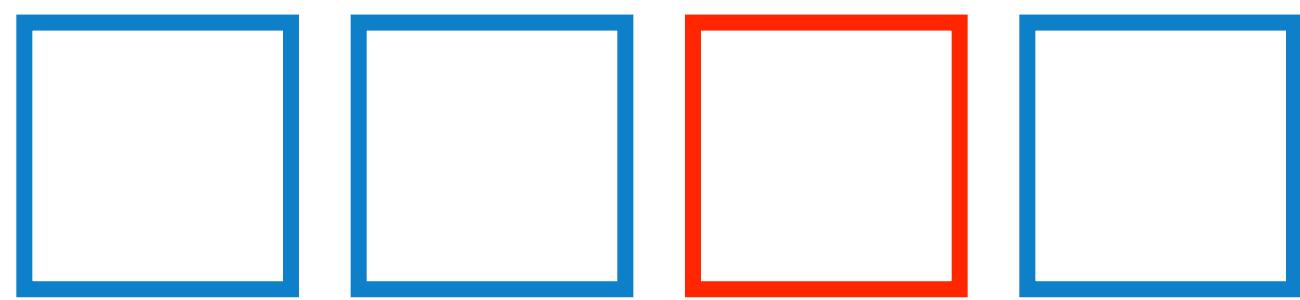
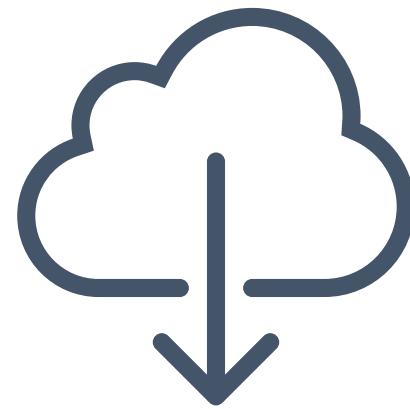
Alta disponibilidade



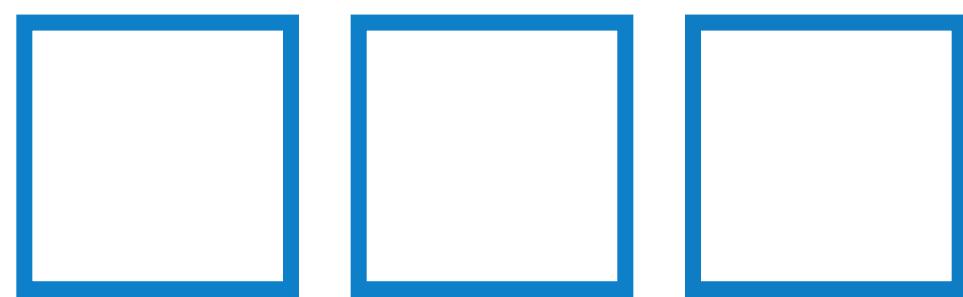
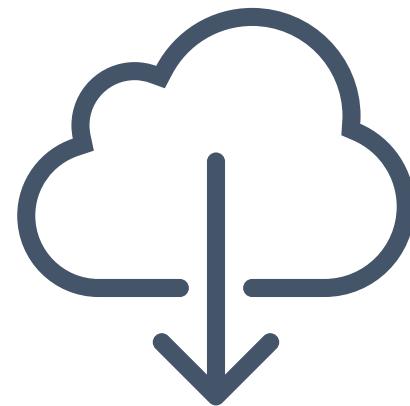
Resiliência



Resiliência



Resiliência



GO NO TSURU

```
package main

import (
    "fmt"
    "log"
    "net/http"
)

func main() {

    http.HandleFunc("/", func(w http.ResponseWriter, r *http.Request) {
        fmt.Fprintf(w, "Hello gophers")
    })

    log.Fatal(http.ListenAndServe("0.0.0.0:8888", nil))
}
```

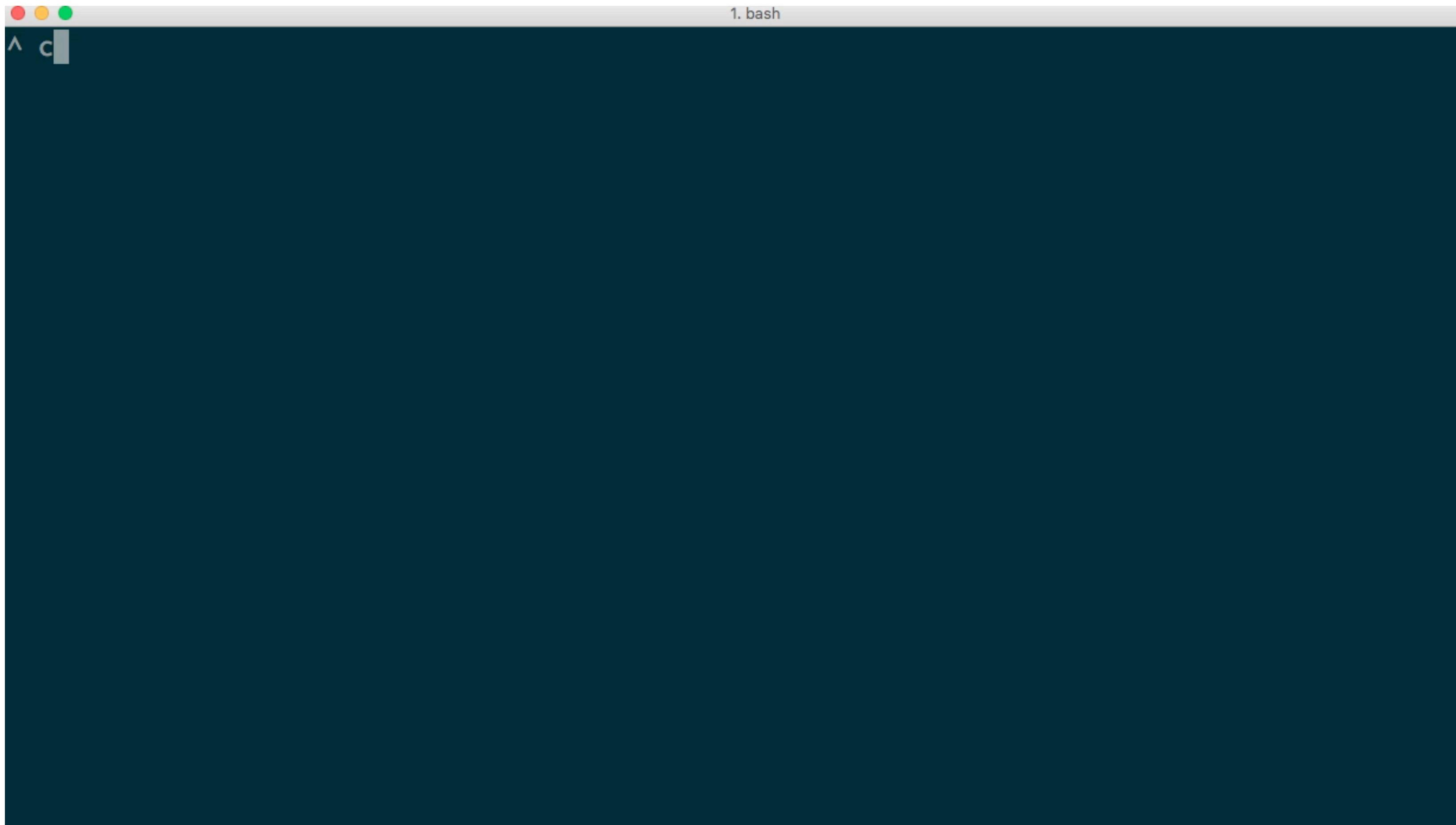
GO NO TSURU

```
$ tsuru app-create minhaapp go
```

GO NO TSURU

```
$ tsuru app-deploy . -a minhaapp
```

GO NO TSURU



tsuru na globo.com

em números

01

+300 deploys por dia

02

+800 aplicações

03

+300k acessos simultâneos

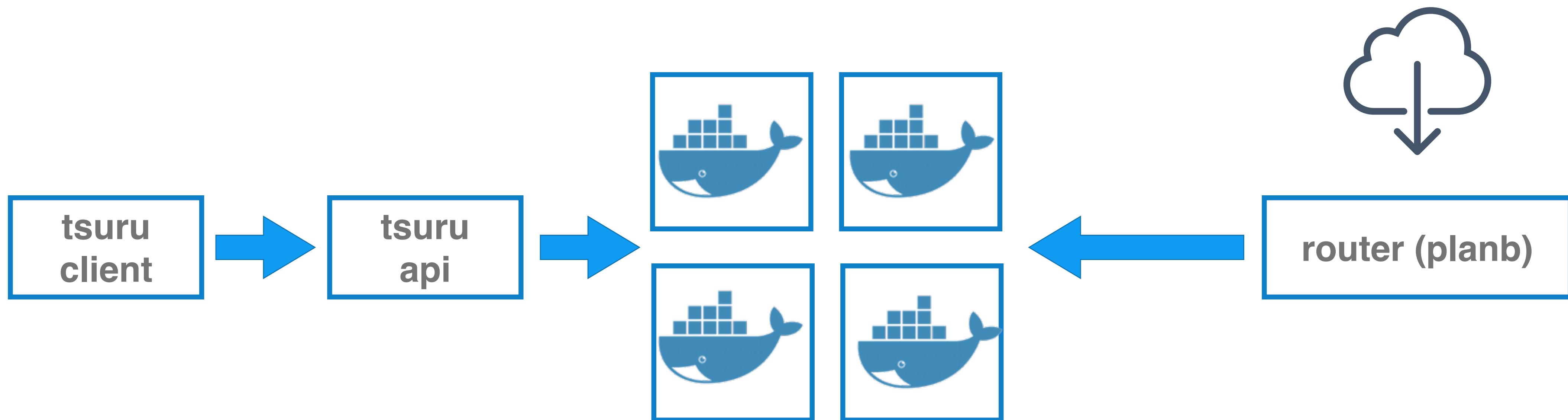
04

+1500 containers

QUEM USA TSURU

- globo.com
- hotel urbano
- jusbrasil
- eduk
- qdqmedia
- nuveo
- filmow

TSURU (ARQUITETURA)



TSURU E GO

- **api**
- **command line interface**
- **http router**
- **agents (bs, balrog)**

TSURU E GO

VANTAGENS

- Cross compilação
- Simplicidade
- Performance
- Tools

A EQUIPE



FUTURO

- "tsuru install"
- kubernetes
- swarm
- mesos/marathon
- flocker
- L4

DÚVIDAS?

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