Make Load-balancing great again!

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$ whoami

- French 🇫🇷 Developer
- I ❤️ Go, I ❤️ Docker 🐳 and 🐧
- CEO of Containous
- Creator and maintainer of traefik.io
WHY ANOTHER REVERSE-PROXY?
Microservices
LOSELY COUPLED
ROBUST TO CHANGE
POLYGLOTISM
DYNAMIC INFRASTRUCTURE
AND NOW

LET'S ADD A

REVERSE PROXY
```
http {
  include  mime.types;
  default_type application/octet-stream;
  
  log_format main  "remote_addr - remote_user [time_local] "request"  "status bytes sent "http_referer"  "User-Agent" ""HTTP_X_FORWARDED_FOR""
  sendfile  on;
  tcp_nopush on;
  gzip on;
  
  server {
    listen  80;
    server_name localhost;
    
    location / {
      root /var/www;
    }
  }
}
```
make it stop!
Here comes
Features

- Single binary (Did I say I ❤ Go ?)
- Backends: Docker, Swarm, Kubernetes, Mesos / Marathon, Rancher, Consul, Etcd...
- Hot reloading
- Load-balancing: WRR, DRR
- Circuit breakers
- Websockets
- HTTP2
Demo
Great!

But wait, how do you manage SSL certs?
FREE, AUTOMATED
Let’s Encrypt
CERTIFICATE AUTHORITY
$ docker pull traefik
What's new?

Cluster Mode, Swarm Mode, Generic Mesos, Basic Auth, Session Affinity
What's new?

RANCHER, EUREKA
PROMETHEUS, HEALTHCHECKS
TRAEFIK BUG
What’s new?

BASIC AUTH FRONTEND
DYNAMODB
DASHBOARD FILTER
TRAEFIK 1.4

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GRPC - AUTH FORWARD
SSL REDIRECT, CUSTOM ERROR PAGES
CUSTOM HEADERS, DATADOG, STATD
PROXY PROTOCOL
MULTI ARCH, HSTS, NEW DOC...
WE JUST RAISED €1M!
WE ARE HIRING!

docker run -it containous/jobs
I HAVE STICKERS!
THANK YOU!

traefik.io
@traefikproxy
@emilevaugue
emilevaugue.github.io/velocityLondon2017