



Make Load-balancing great again!

Emile Vauge — Velocity London 2017

\$ whoami

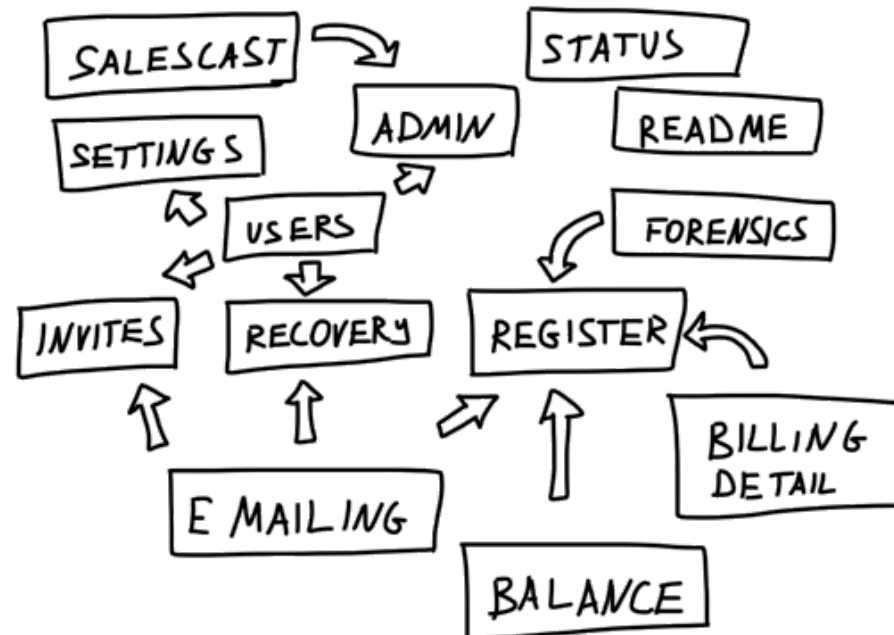
- French 🇫🇷 Developer
- I ❤️ Go, I ❤️ Docker 🐳 and 🐧
- CEO of Containous
- Creator and maintainer of traefik.io

WHY ANOTHER



REVERSE-PROXY?

Microservices



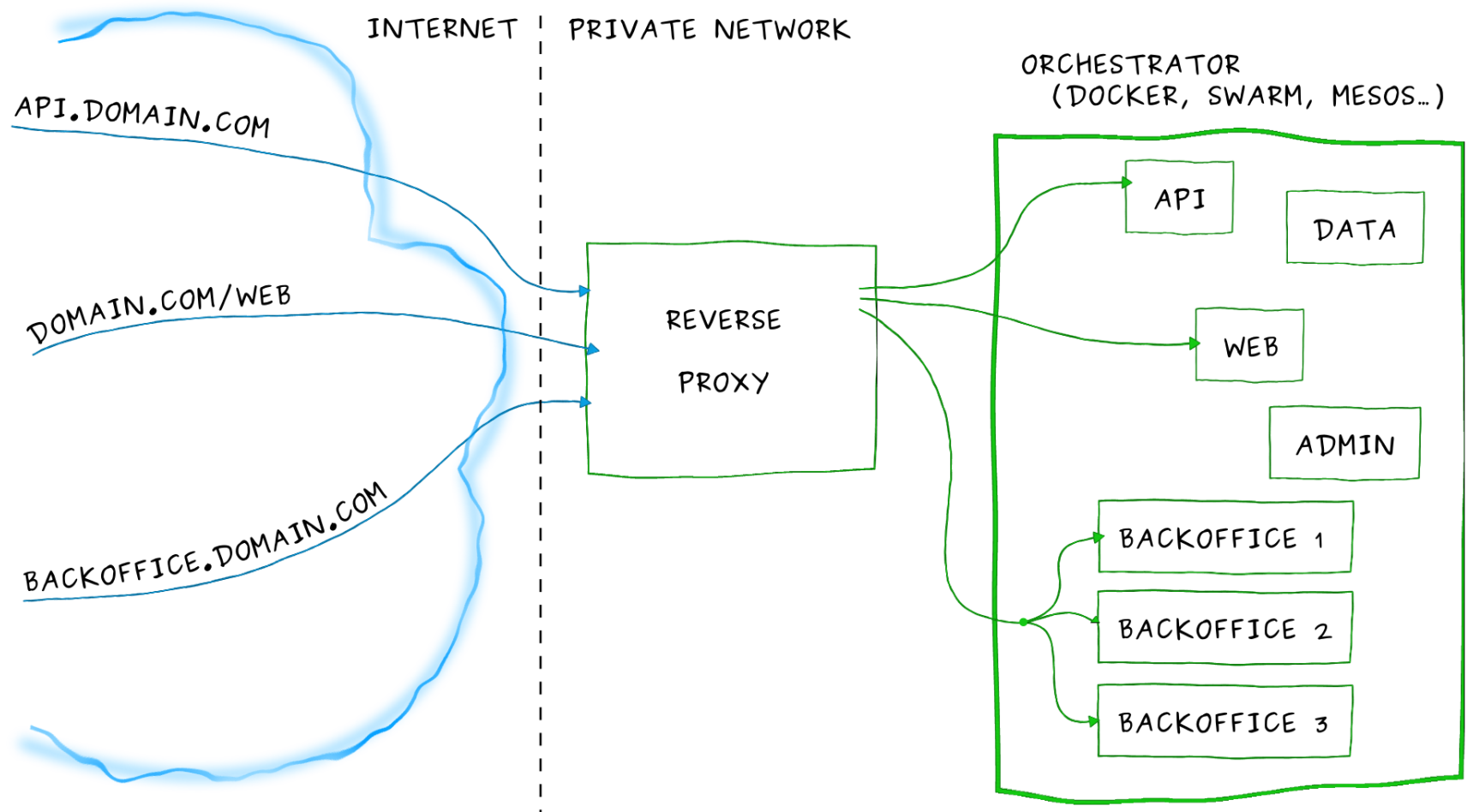
LOSELY COUPLED
ROBUST TO CHANGE
POLYGLOTISM

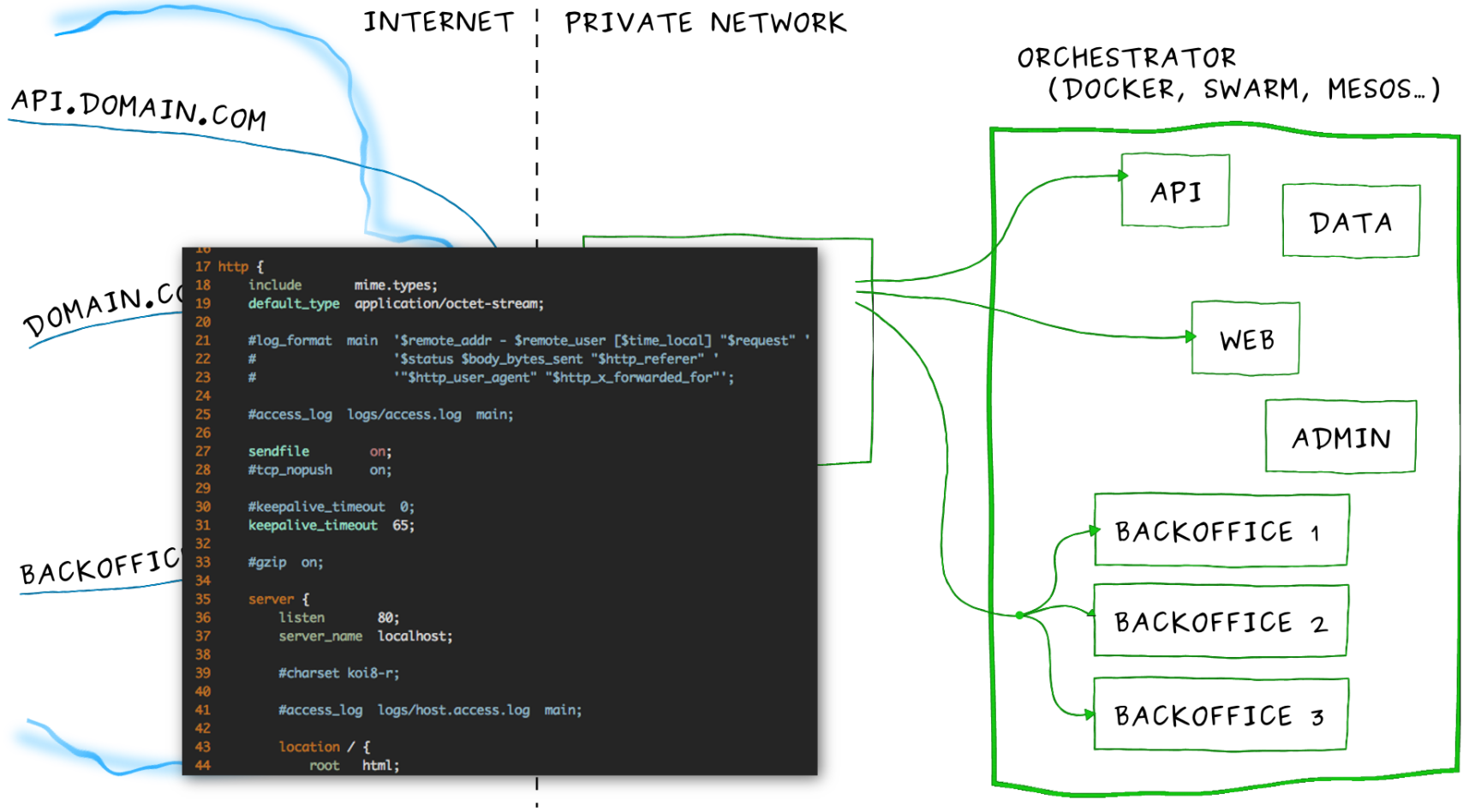
DYNAMIC INFRASTRUCTURE

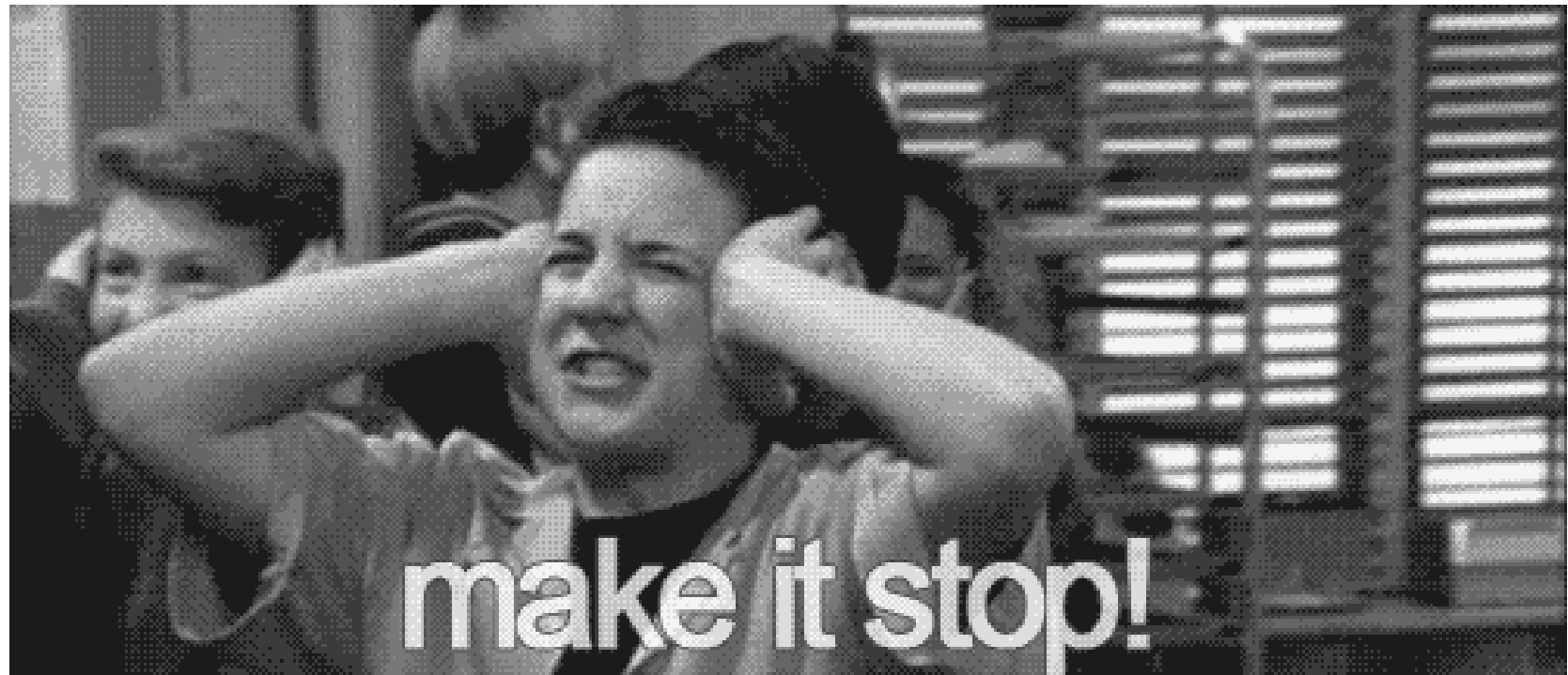
AND NOW

LET'S ADD A

REVERSE PROXY





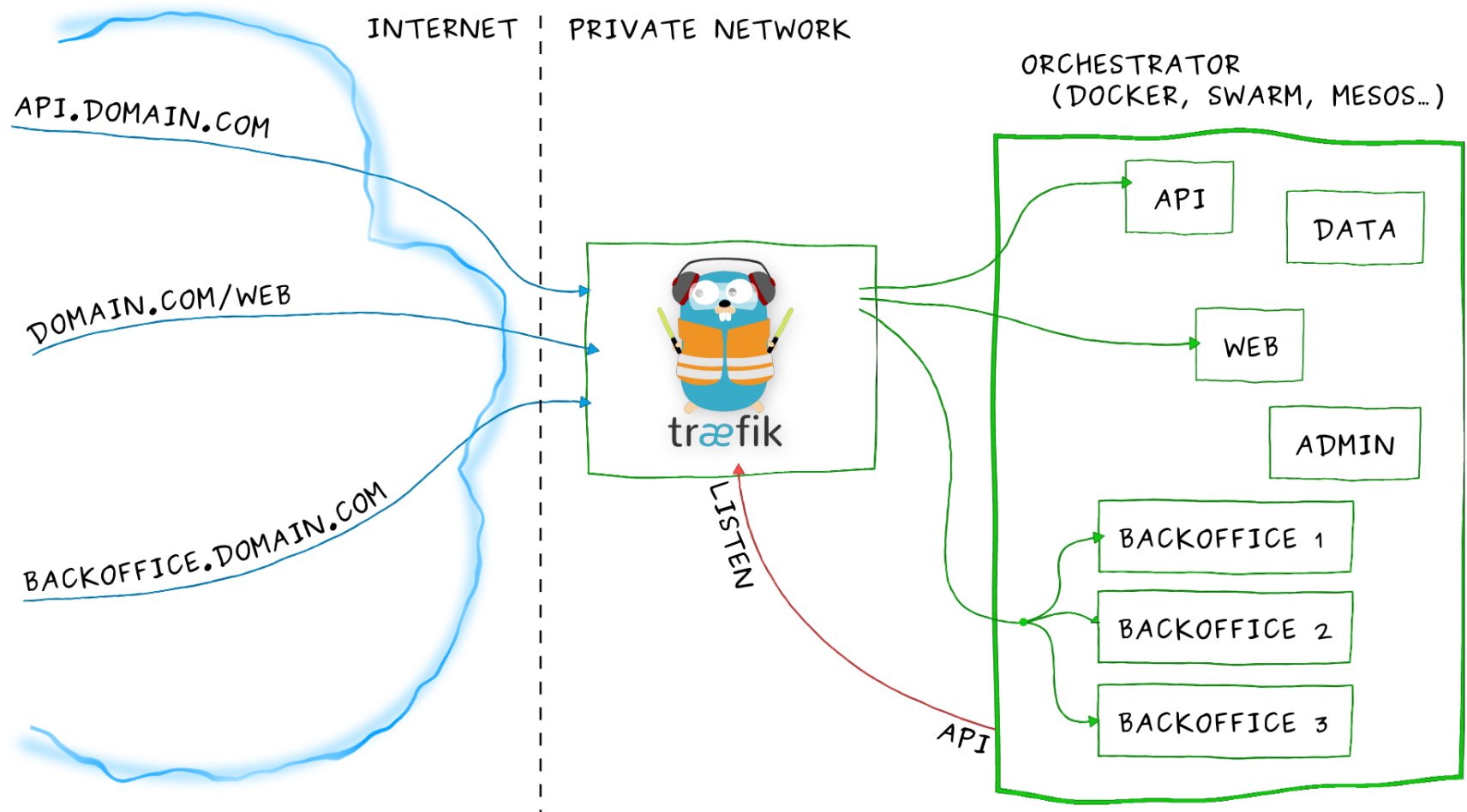


make it stop!

Here comes



træfik



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

Official image

\$ docker pull traefik



[Dashboard](#)

[Explore](#)

[Organizations](#)

OFFICIAL REPOSITORY

traefik ★

Last pushed: 8 days ago

[Repo Info](#)

[Tags](#)

TRAEFIK 1.1



CAMEMBERT

November 2016

What's new?

CLUSTER MODE, SWARM MODE

GENERIC MESOS, BASIC AUTH

SESSION AFFINITY

TRAFFIK 1.2



MORBIER

March 2017

What's new?

RANCHER, EUREKA

PROMETHEUS, HEALTHCHECKS

TRAEFIK BUG

TRAEFIK 1.3



June 2017

What's new?

BASIC AUTH FRONTEND

DYNAMODB

DASHBOARD FILTER

TRAEFIK 1.4



October 2017

GRPC - AUTH FORWARD

SSL REDIRECT, CUSTOM ERROR PAGES

CUSTOM HEADERS, DATADOG, STATD

PROXY PROTOCOL

MULTI ARCH, HSTS, NEW DOC...



10.000+ ★

22M+ DOWNLOADS

1000+ LGTM, 180+ 🧑‍🔧

WE JUST



RAISED €1M !

**WE ARE
HIRING !**

`docker run -it containous/jobs`

I HAVE



STICKERS!

THANK YOU!

traefik.io

[@traefikproxy](https://twitter.com/traefikproxy)

[@emilevaugue](https://twitter.com/emilevaugue)

emilevaugue.github.io/velocityLondon2017