A (quick) introduction to TraefikEE

https://jlevesy.github.io/slides/docker-meetup-lyon-may-2019

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- **Browse the slides:** Use the arrows
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- **Overview of the slides:** keyboard’s shortcut "o"
- **Speaker mode (and notes):** keyboard’s shortcut "s"

whoami

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  - TraefikEE developer @containous (we're hiring!)
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What is Traefik ?

The world of production is changing

- Containers as a standard execution unit
- Era of orchestrators and flexible workloads
- Everything goes dynamic

What about reverse proxies ?

- Static configuration in a dynamic environment
- HTTPS is possible, yet painful
- Lack of observability

Say hello to Traefik

- Cheese based HTTP/HTTPS reverse proxy
- Dynamic at its core
- Versatile
- Highly observable
- Let’s encrypt built-in
- Advanced features out of the box

All included into a single binary

Open Source & Written in Golang

Contributions are welcome !

And it gets better with time !

- v2.0 in alpha stage
- Flexible architecture
- TCP support
- Updated Kubernetes ingress configuration based on CRD
- Improved routing rule syntax
- And more to come !

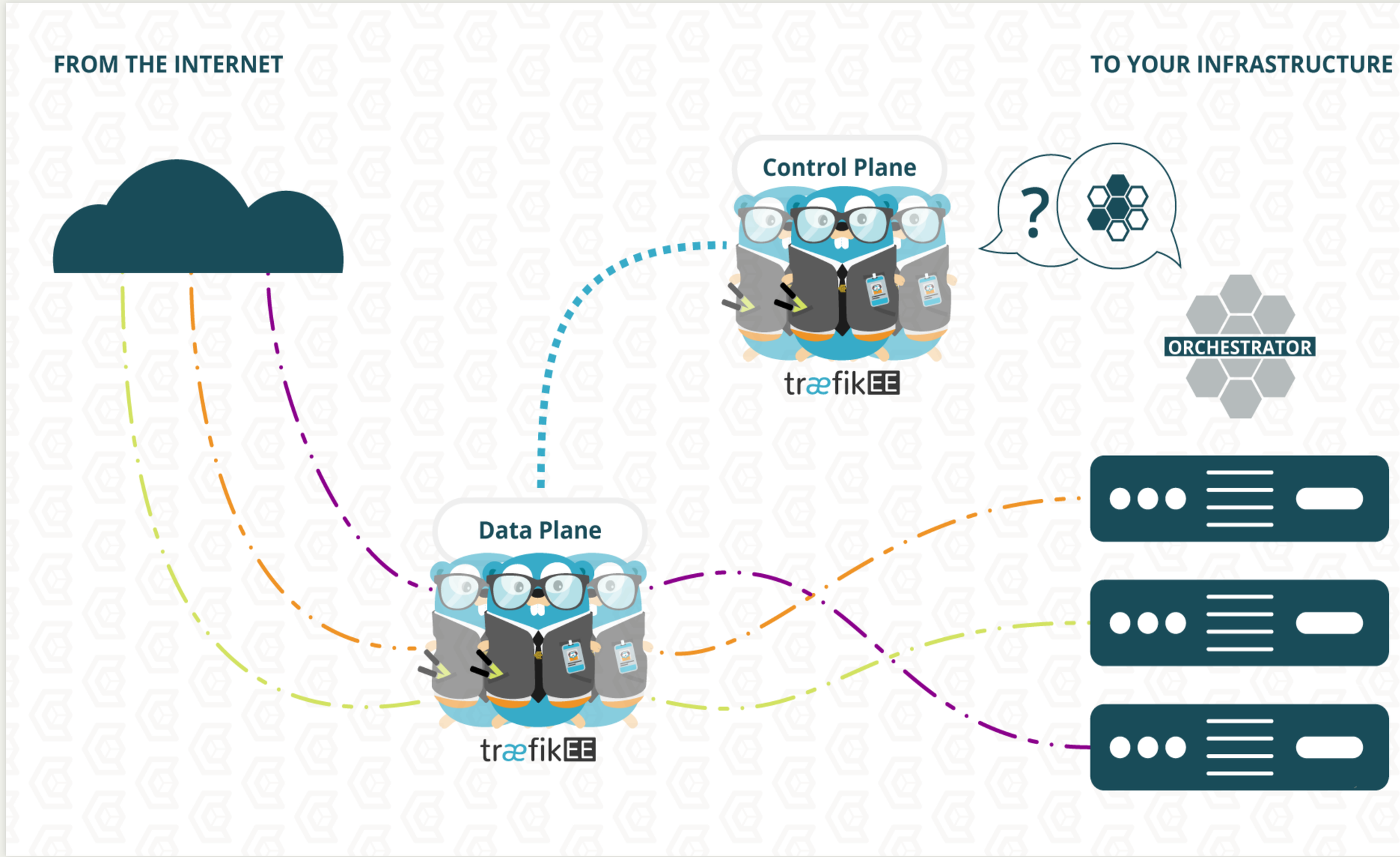
How to make Traefik ready for the enterprise ?

We gave him a suit !

What a company wants from a reverse proxy ?

- Reliability
- Security
- Full support
- All the features from Traefik !
- Scalability

So we made Traefik distributed !


FROM THE INTERNET
Control Plane
træfikEE
TO YOUR INFRASTRUCTURE
?
ORCHESTRATOR
Data Plane
træfikEE

And there is more !

- No restart needed to configure the proxy
- Backup and restore system
- Distributed features out of the box
  - Let’s encrypt support
  - Rate limiting (1.1)
  - Max connections (1.1)
  - Circuit breaker (1.2)

All included into a single binary

(No need of an external key value store)

Actually, there is another binary

`traefikeectl` our CLI

- Installs TraefikEE automatically on k8s and swarm
- Deploys configuration
- Get cluster informations
- Create backups
- Fetch the logs

Thanks

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- Slides (HTML): https://jlevesy.github.io/slides/docker-meetup-lyon-may-2019
- Slides (PDF): https://jlevesy.github.io/slides/docker-meetup-lyon-may-2019/slides.pdf
- Source on : https://github.com/jlevesy/slides/tree/docker-meetup-lyon-may-2019