API Days Paris 2018

Taming your Monoliths & Microservices

with Tyk API Management Platform





Agenda



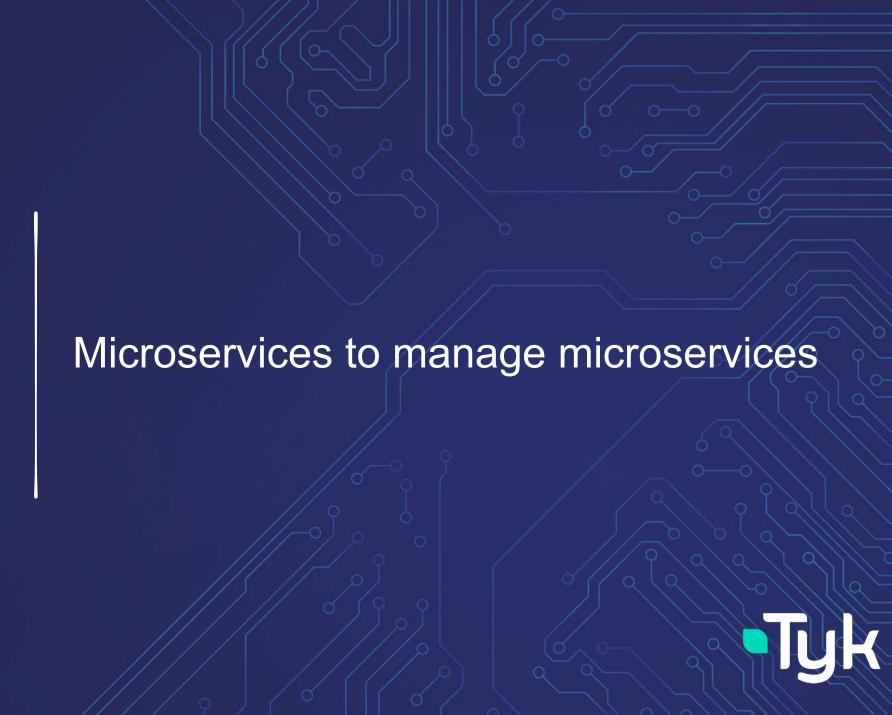
- Intro
- A little background about Tyk
- High-Level overview of the feature-set
- Key Stakeholders
- Some example deployment options & architecture diagrams
- Demo / Walkthrough (follow-along if you like)



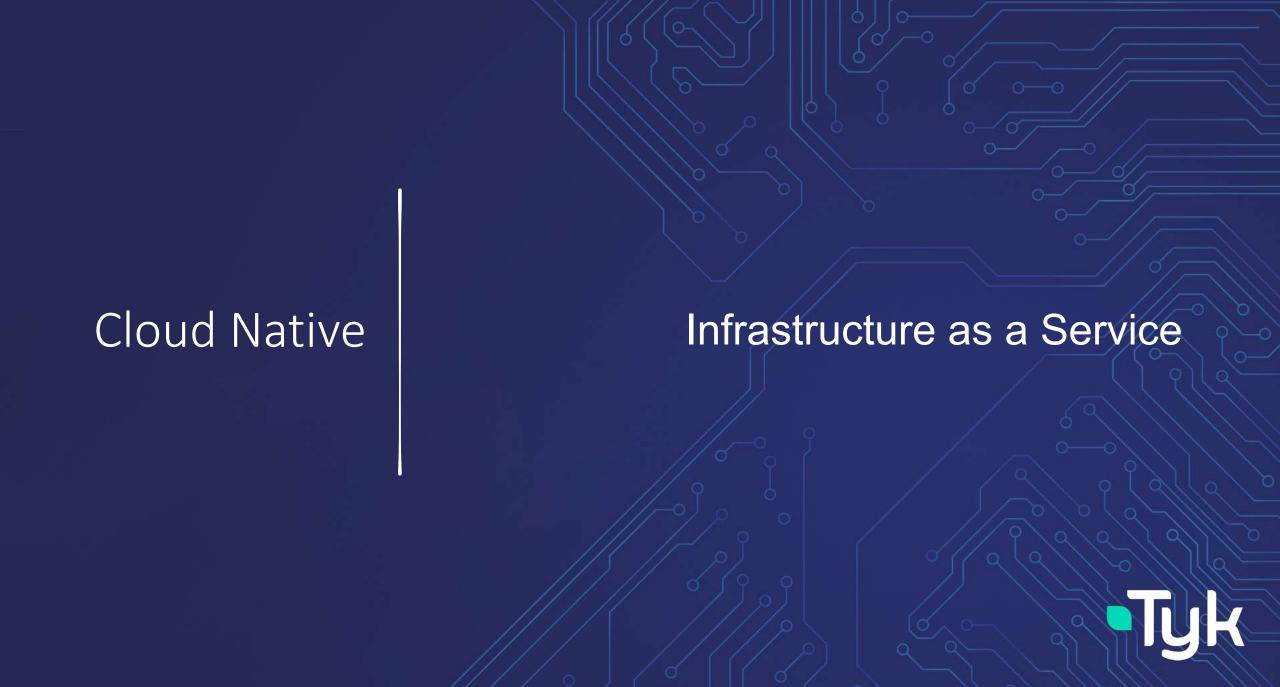
Background

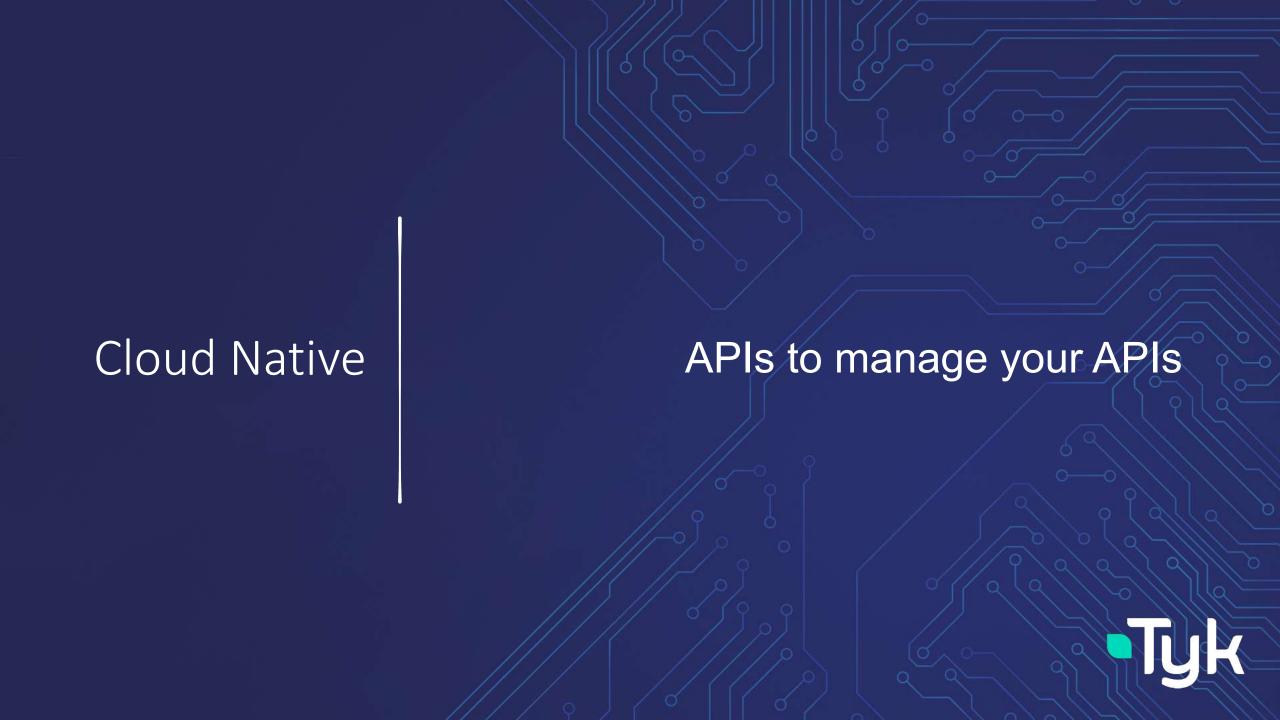
- Humble Beginnings from an Open Source Gateway
- Designed by Software Engineers, for Software Engineers
- Purely organic adoption growth & profitable
- Community & Client driven project

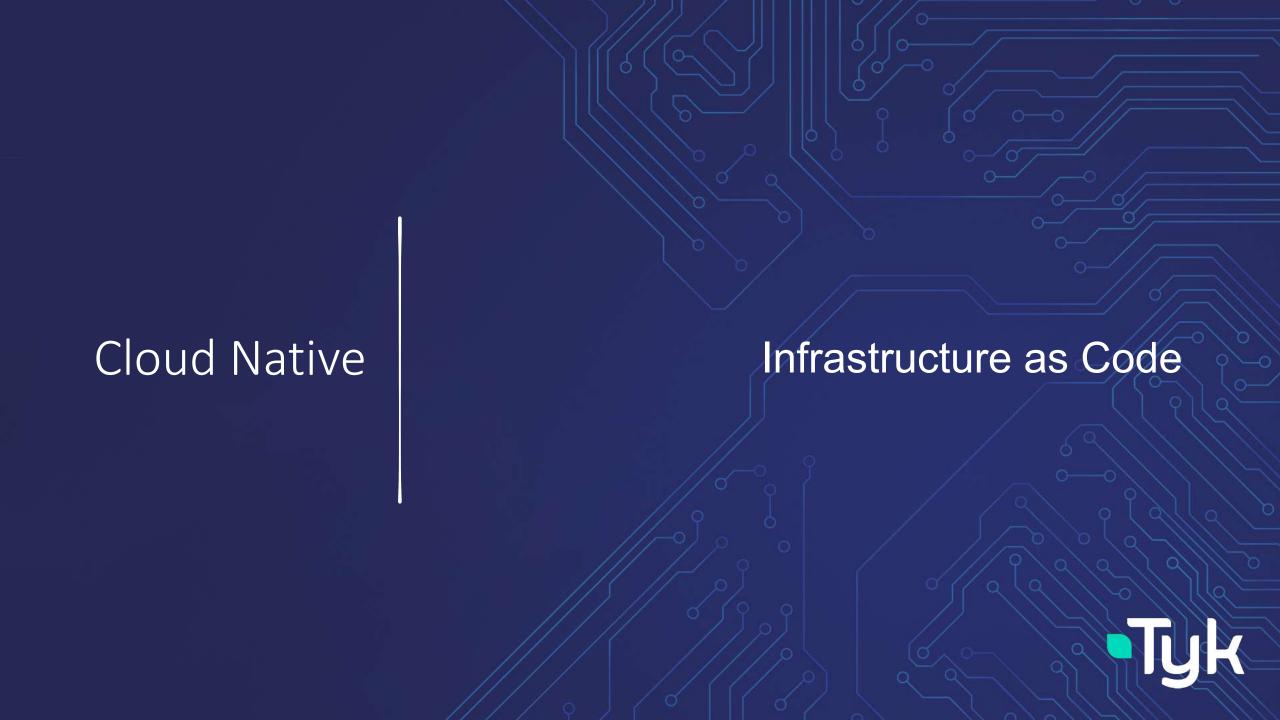




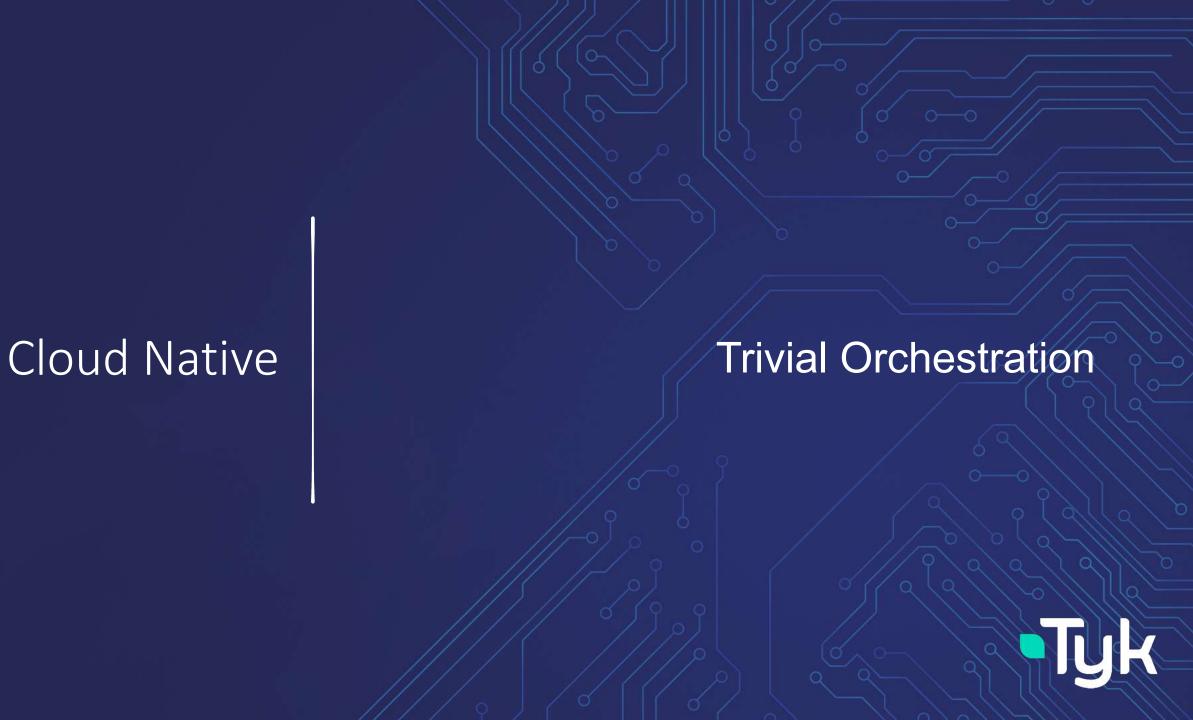
Cloud Native











Warp Speed

Token Hashing & Validation
Security Checks
Quota Management
Rate Limiting
Analytics Gathering

Optimising for benchmarks?

Deploying on SuperComputers?

Sub-Millisecond inner DC latency?

2-core, 2-GB \$20 DO Droplet stable ~3000 RPS



Warp Speed



Open Source Innovation

A thriving open source community, extending features, functions and services

- 3,000+ Cloud Users
- 1m+ DockerHub pulls
- ~1,900 Forum members
- 75+ Contributors
- https://github.com/TykTechnologies/tyk





Empowering the entire Organisation

Precision engineering, developed to support the needs of your teams

- Your API Owners
- Your API Developers
- Partners & 3rd Party Developers
- Your ops team



Functionality: API Owners



Authentication Authorisation



Policies
Quotas
Rate limits



Analytics



Active Monitoring



Functionality: API Developers







Request &
Response
Transforms



REST API



Virtual Endpoints



Extensible



Functionality: Partners & Third Party Devs



Developer Portal



Documentation



Self Catering



Functionality: Ops Team



System events



Gateway Sharding



Service discovery



Microservice Features



Architecture: A flavour for everybody



Cloud



Multi-Cloud



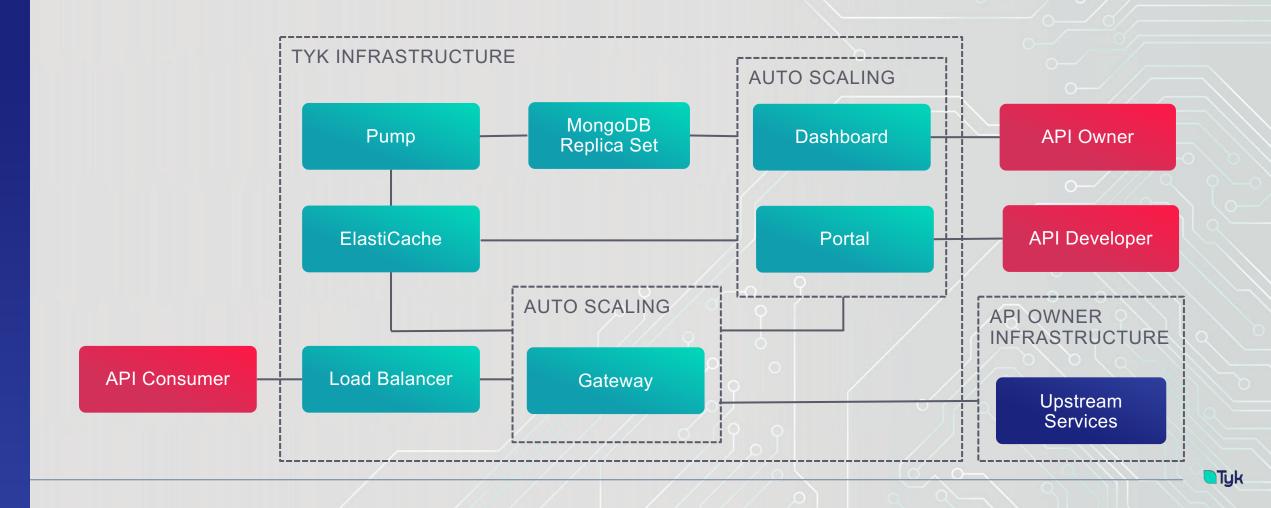
On-Premises



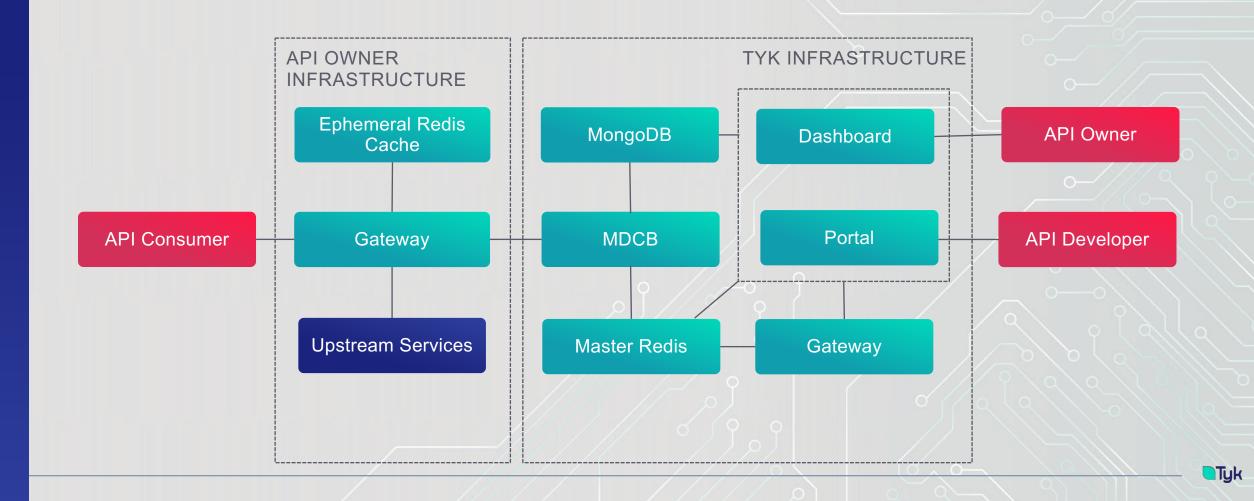
Multi-DC
On-Premises



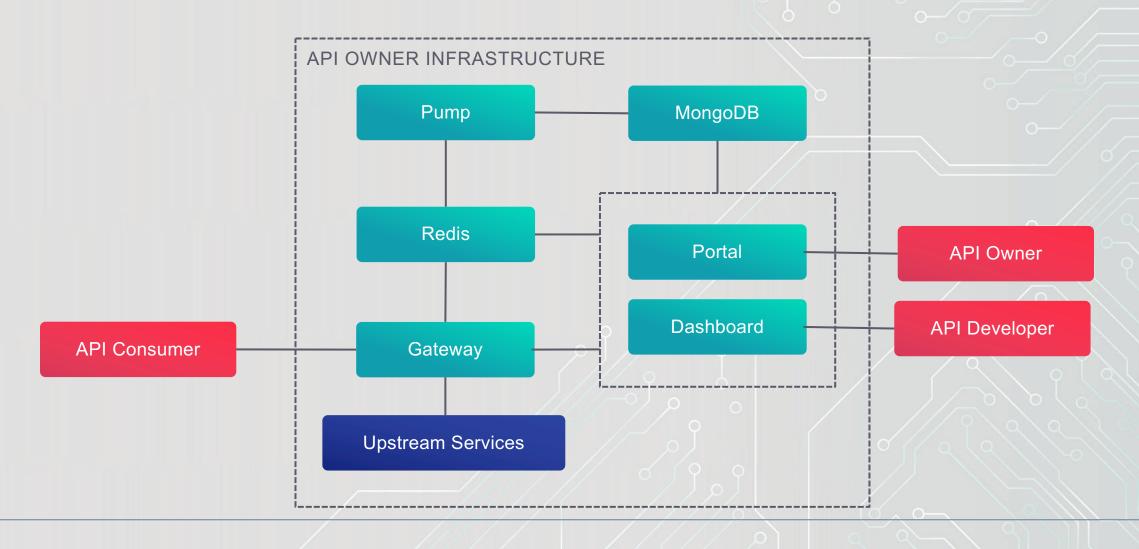
Architecture Example: Cloud



Architecture Example: Multi-Cloud

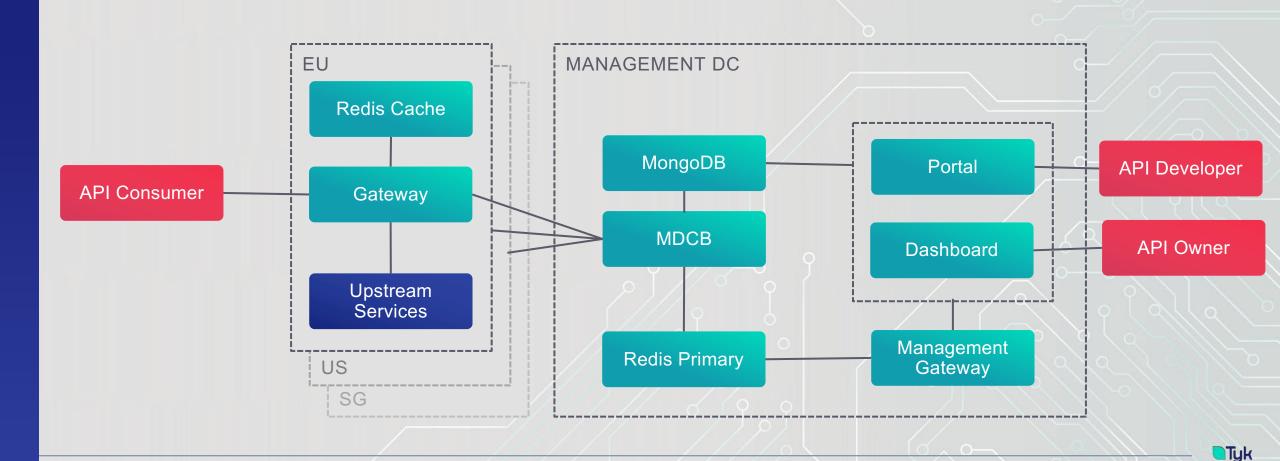


Architecture Example: On-Premises



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Architecture Example: Multi-DC On-Premises



Stop! Demo Time



