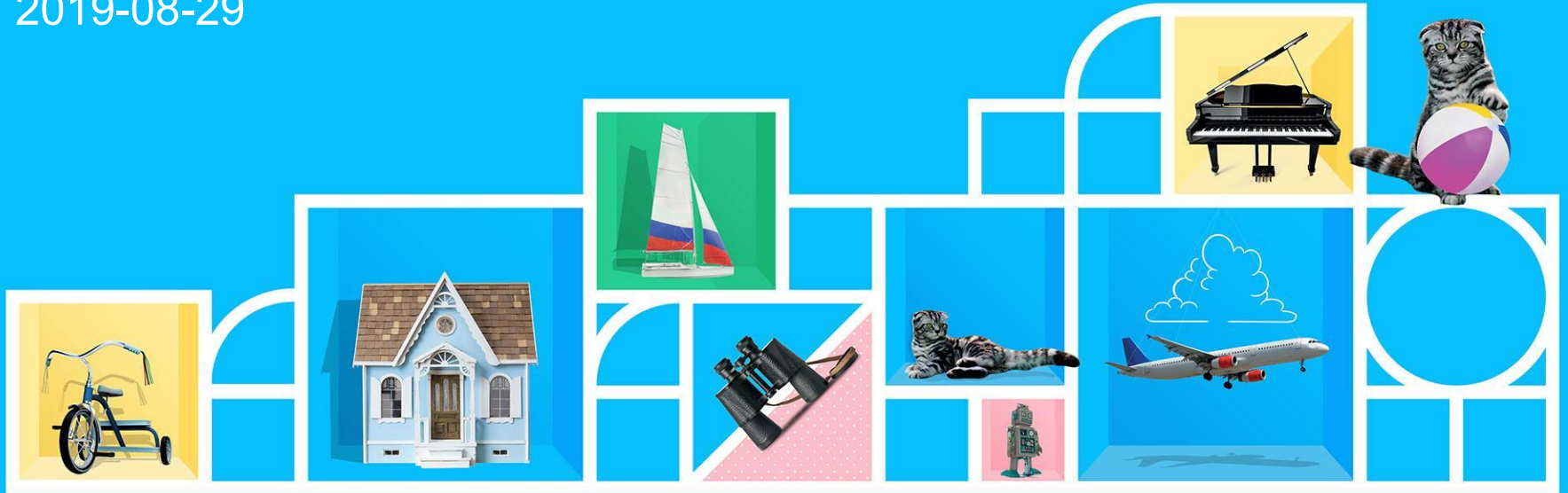# Introduction to FIAAS

2019-08-29

What is FIAAS?

FIAAS is ...
- an abstraction on top of Kubernetes
- a way to separate infrastructure concerns from application concerns
- an opinionated way to deploy applications
- a collection of interfaces that form a platform
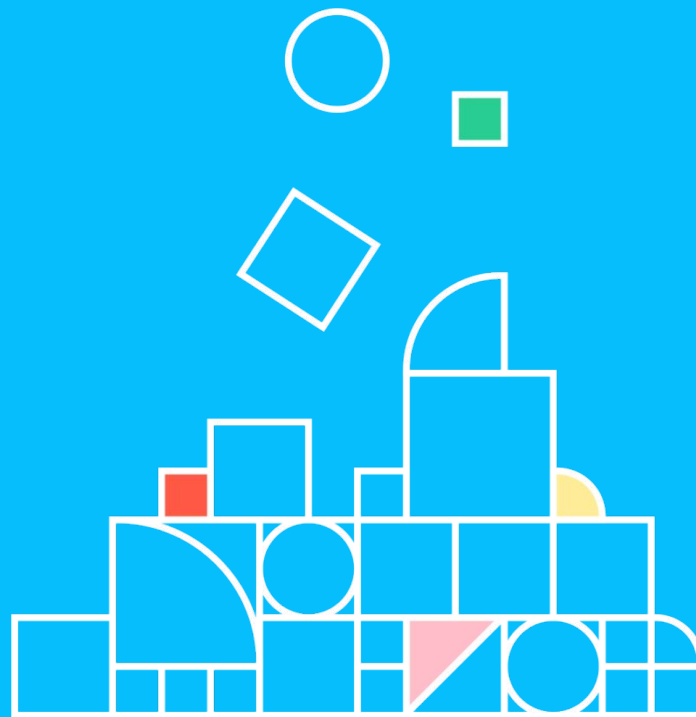- open source

Separation of concerns

- Application developers should care about applications, not infrastructure
- Infra teams should also be autonomous
- Allow for changes in infrastructure without needing to involve application developers
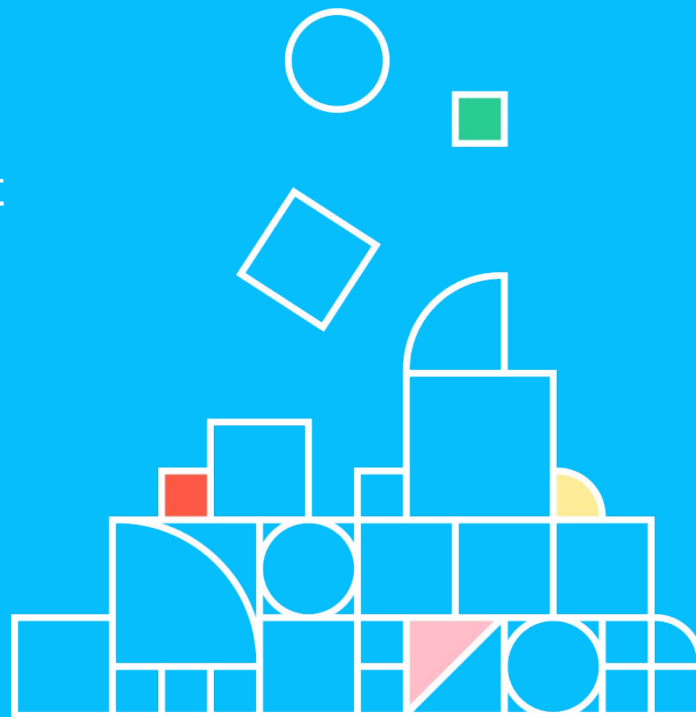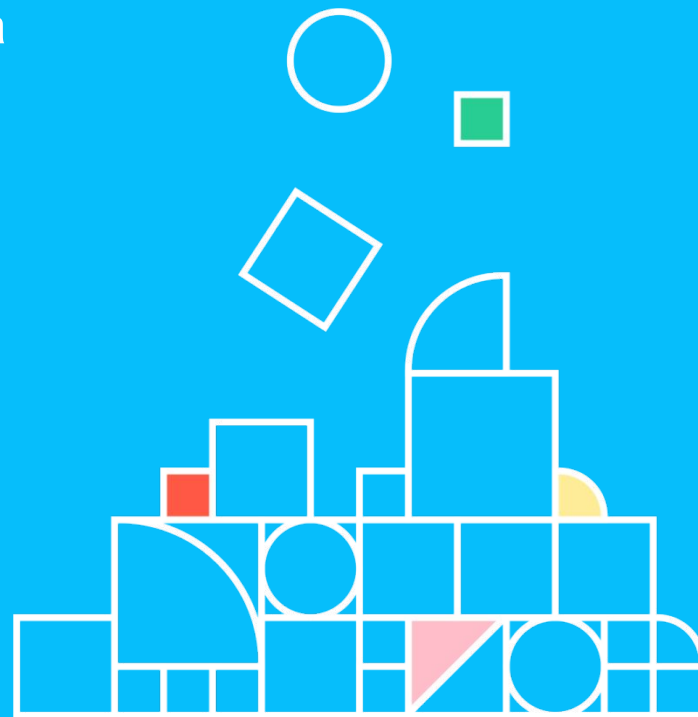
Opinionated deployment

- Drives applications towards a common convention
- Apply things we learn to all applications
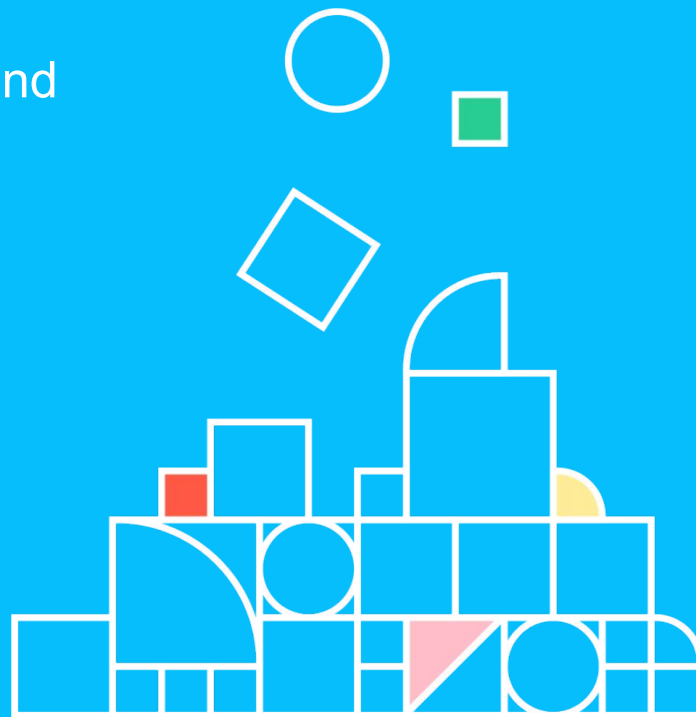- Avoid paradox of choice

A platform

- Integrate infrastructure components into a coherent whole
- Define interfaces to make moving simpler

Open Source
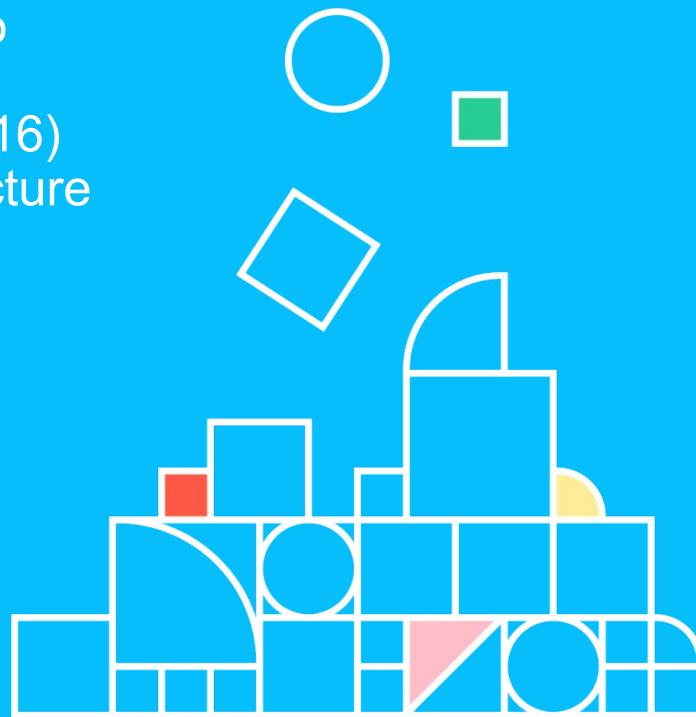
- FIAAS is open source
- In use by many companies in Schibsted and Adevinta
  - FINN
  - Lendo
  - LBC
  - Willhaben
  - SCM Spain
  - Subito
  - ...possibly more

Why did we make this?

- Maintain developer speed while shifting to different infrastructure
- No existing open alternatives (in 2015-2016)
- Create an integrated platform of infrastructure components

Developer speed

- FINN needed to move from VMs to container orchestrator (ie. Kubernetes)
- Reduce how much application developers needed to learn about new infrastructure
- Commit to production in less than 10 minutes
- Everything "just works"
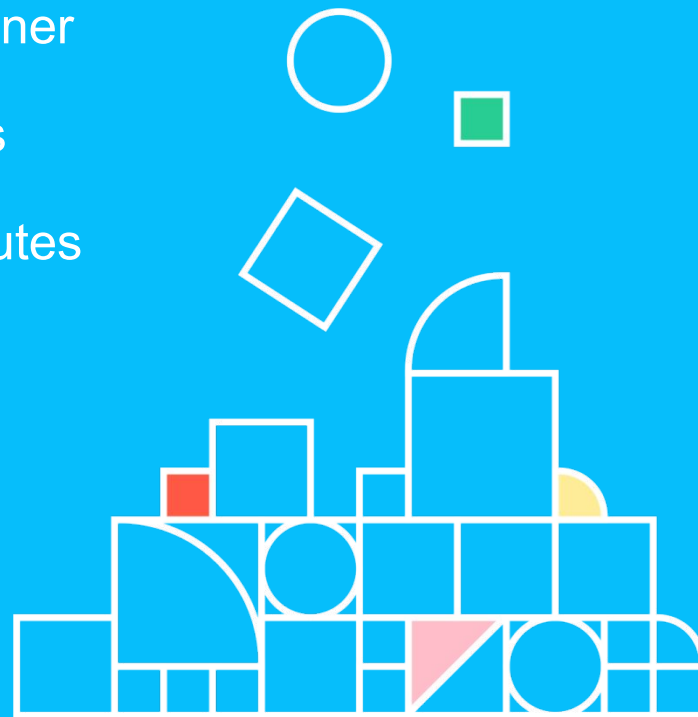
Infrastructure integration

- Logs
- Metrics
- Load balancing
- Secrets
- Service discovery
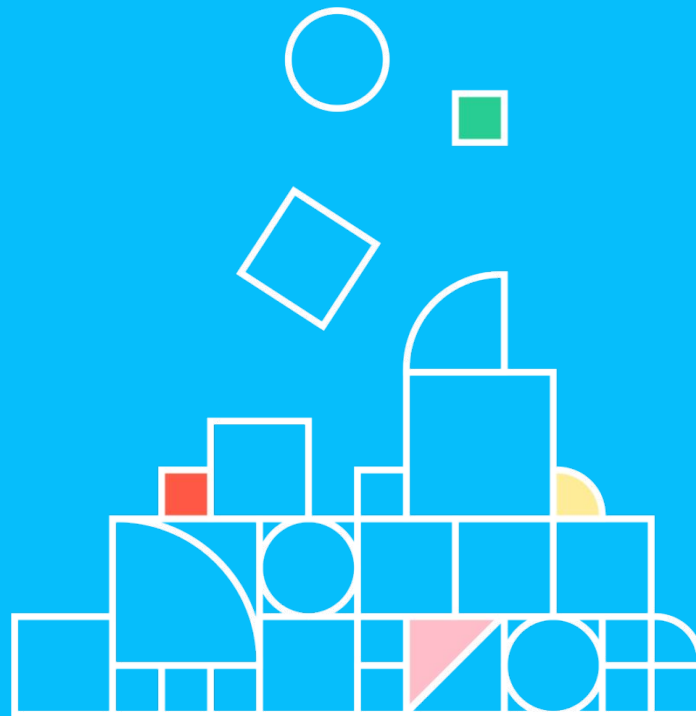
Questions, discussion and answers