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A comparison of Open Source FaaS technologies

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Master of Transformation



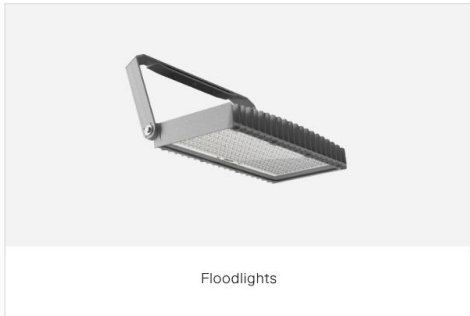
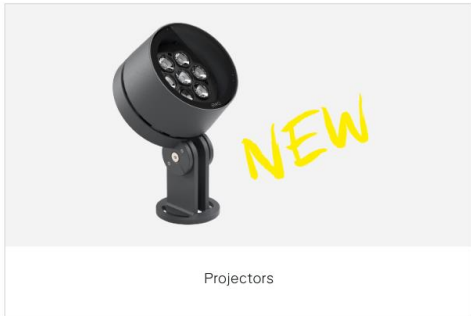
Our use cases



→ Product configuration

1. Choose your start basing on your needs: product family or better product category?

Product Family Product category



Skip this step

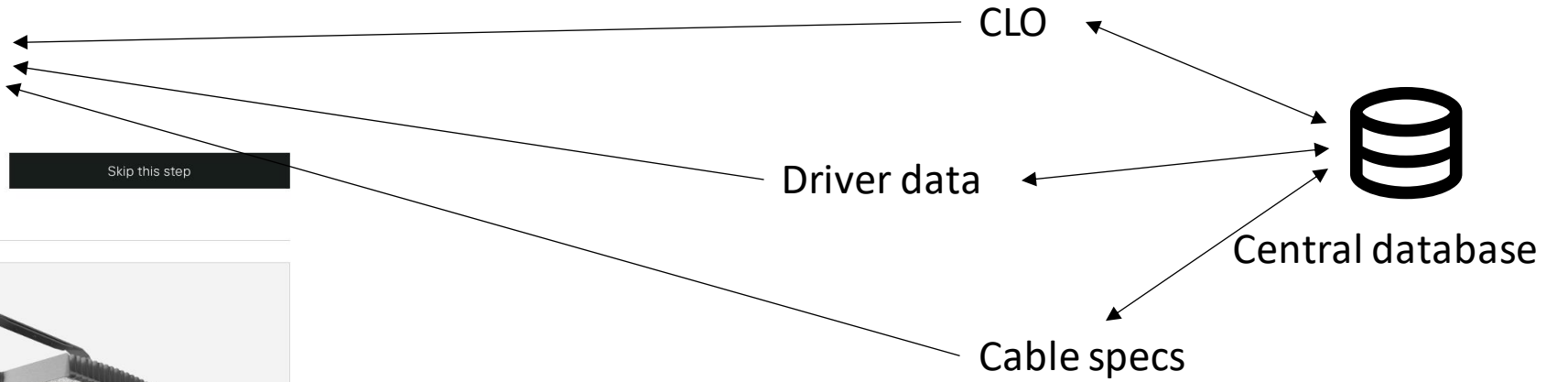
CLO

Driver data

Cable specs

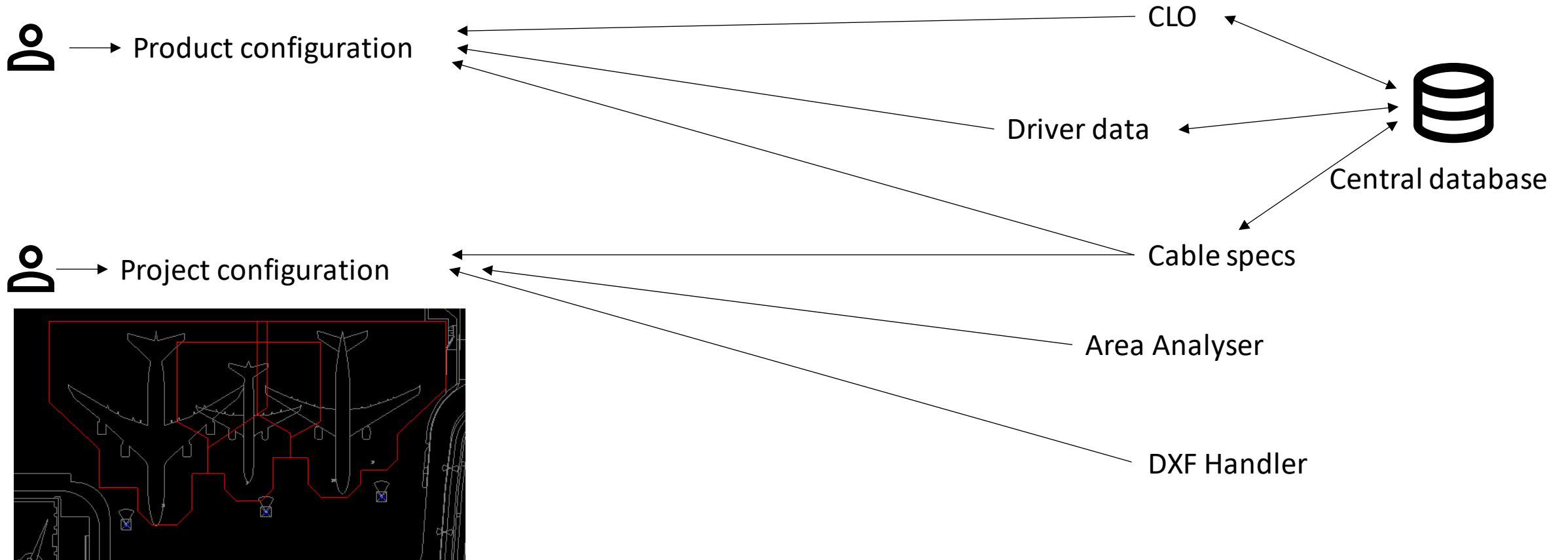


Central database



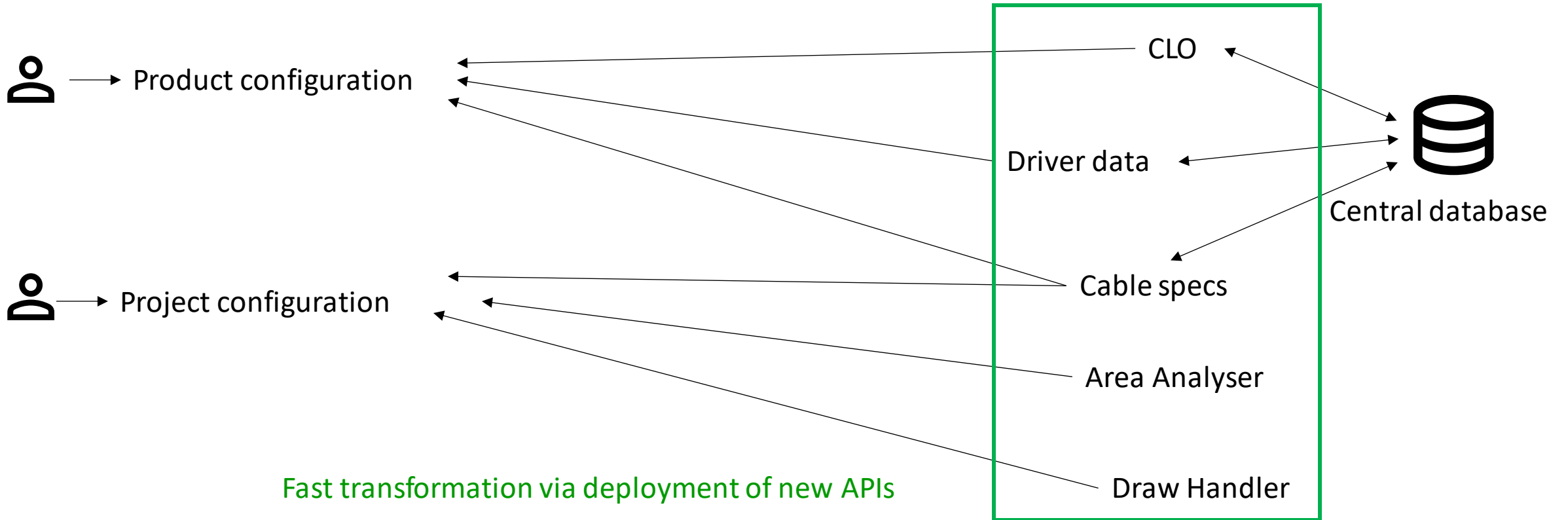
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Our use cases





Our use cases



Fast transformation via deployment of new APIs

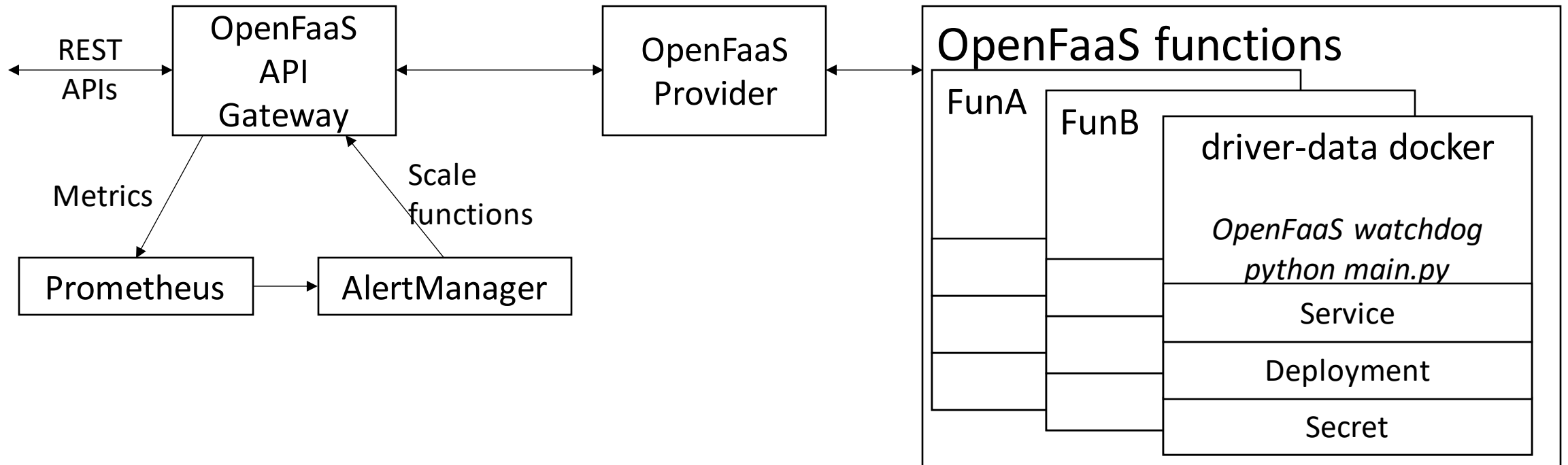
Manage load requests by scaling

Reducing cost by using interruptible workflow



FaaS: OpenFaaS

- Easy to deploy thanks to great documentation and easy cli to abstract deployment
- Few components on top of Kubernetes





Why migrating from OpenFaaS?

- Features which were available as open-source moved to paid (e.g., multiple namespaces)¹
- Deprecation of old releases to force upgrade²

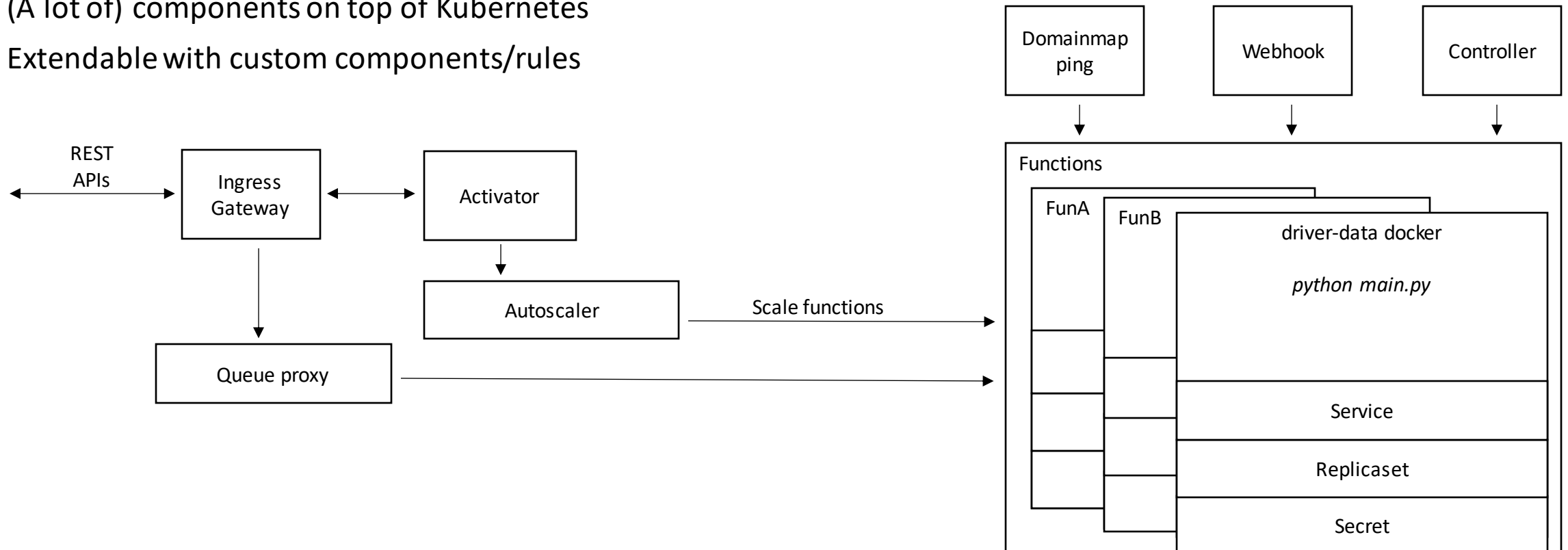
1: <https://docs.openfaas.com/reference/namespaces/> available for opensource version with 11.0.11

2: <https://www.openfaas.com/blog/time-to-update/>



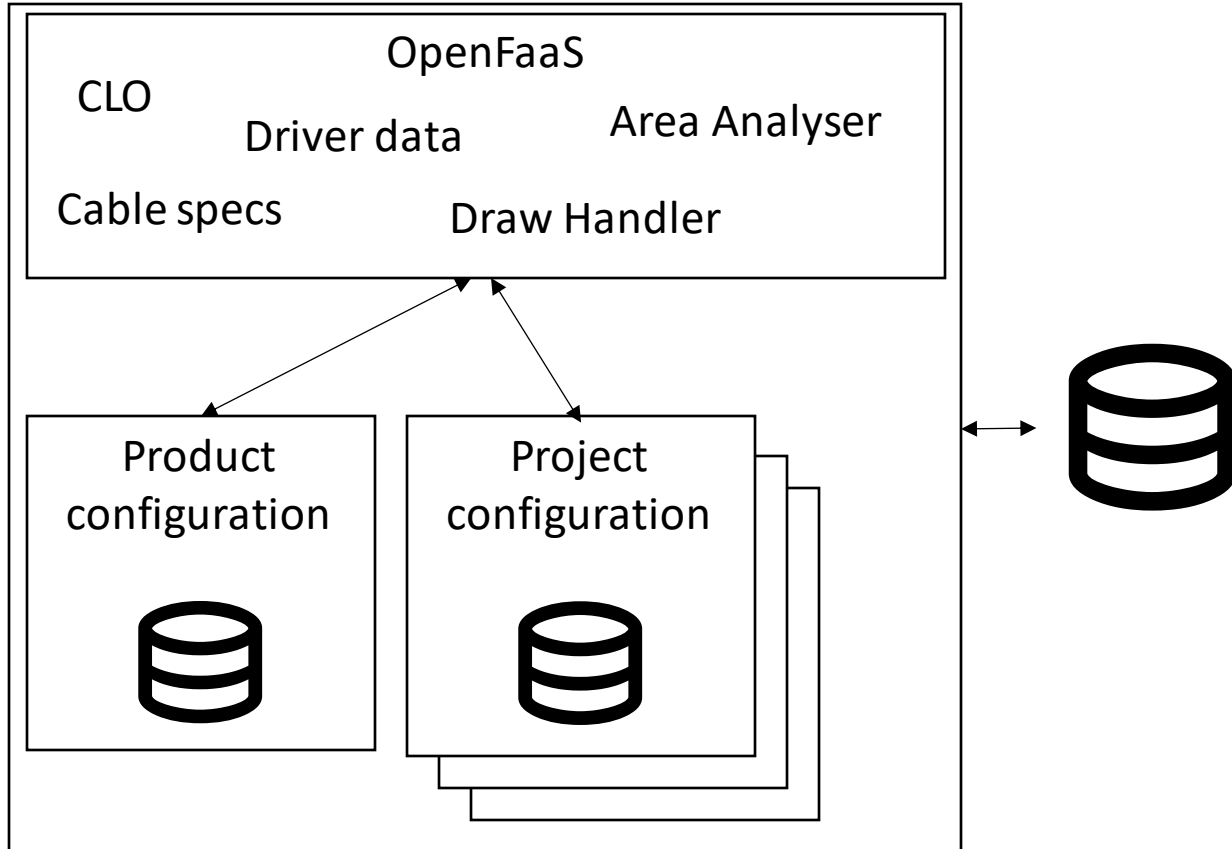
FaaS: Knative

- Not only focused on FaaS, since it is a platform for serverless workloads
- (A lot of) components on top of Kubernetes
- Extendable with custom components/rules



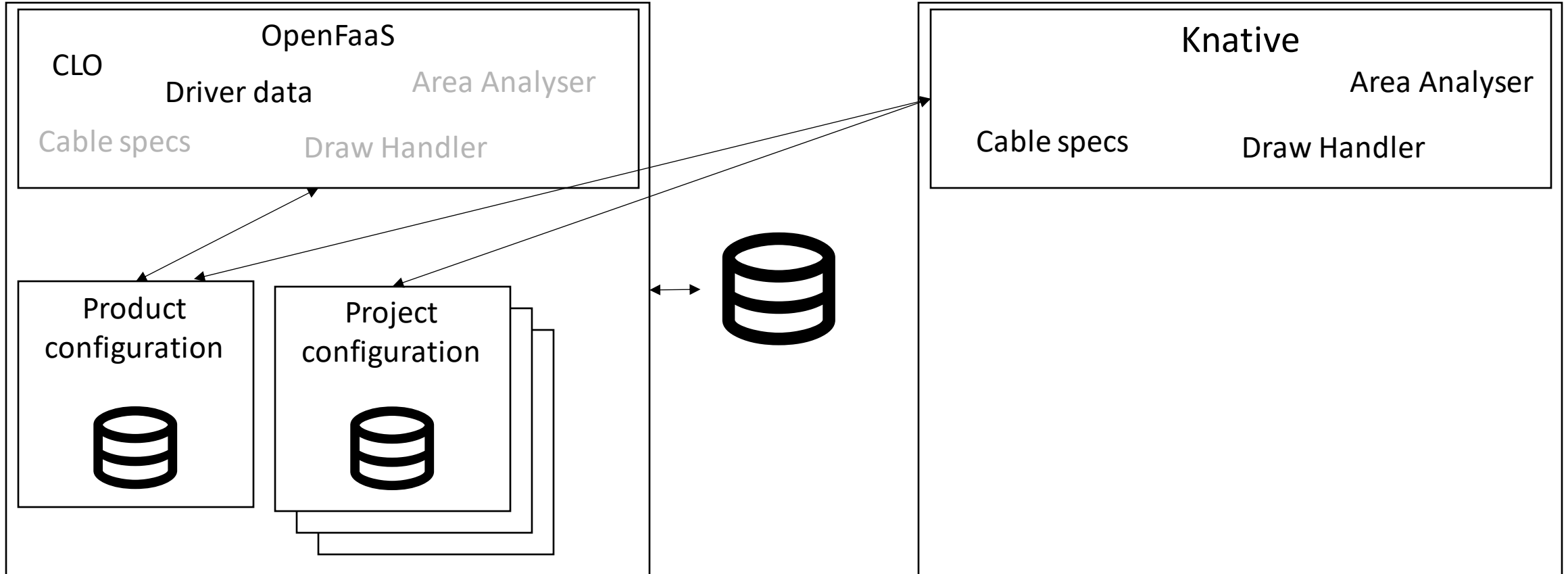


Our migration journey (with our small team)



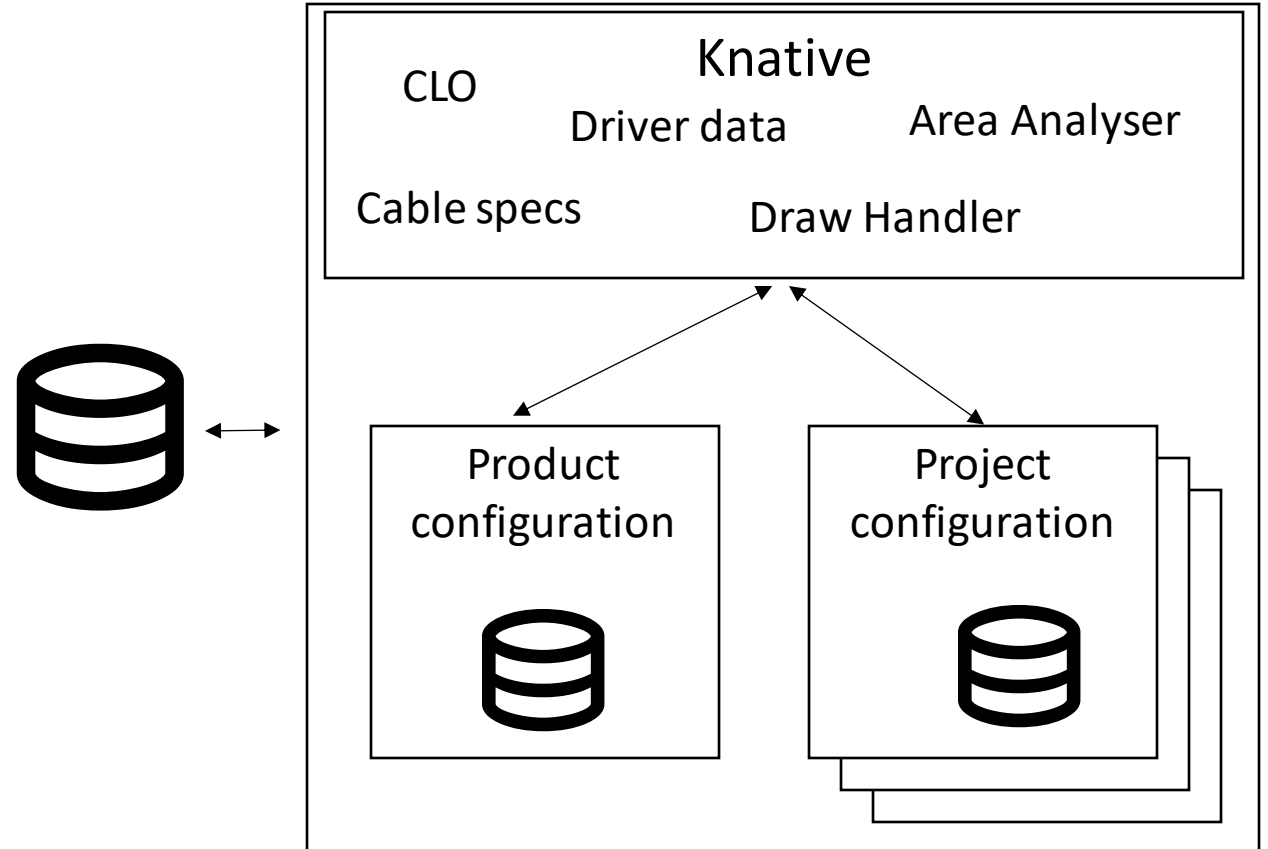


Our migration journey





Our migration journey





Our experience

- Change of licenses or business plan in Open Source tools force team to adapt quickly
- Open Source documentation is not always complete
- Avoid tools that requires code to be linked to a specific FaaS technology

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