

A developer platform with batteries included for Oslo kommune

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Eirik Opheim

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Sopra Steria

About me

Some quick facts

- Sopra Steria since 2020
- Red Hat Enterprise Linux, Ansible and OpenShift
- Technical Architect for OpenShift initiative in Sopra Steria Operations
- Favorite tool: OpenShift GitOps
- Hobbies: Boulderling and Downhill cycling

Agenda

01 | Introducing
Oslo kommune

02 | Vision for
developer platform

03 | Why OpenShift?

04 | A developer platform
with batteries included

01

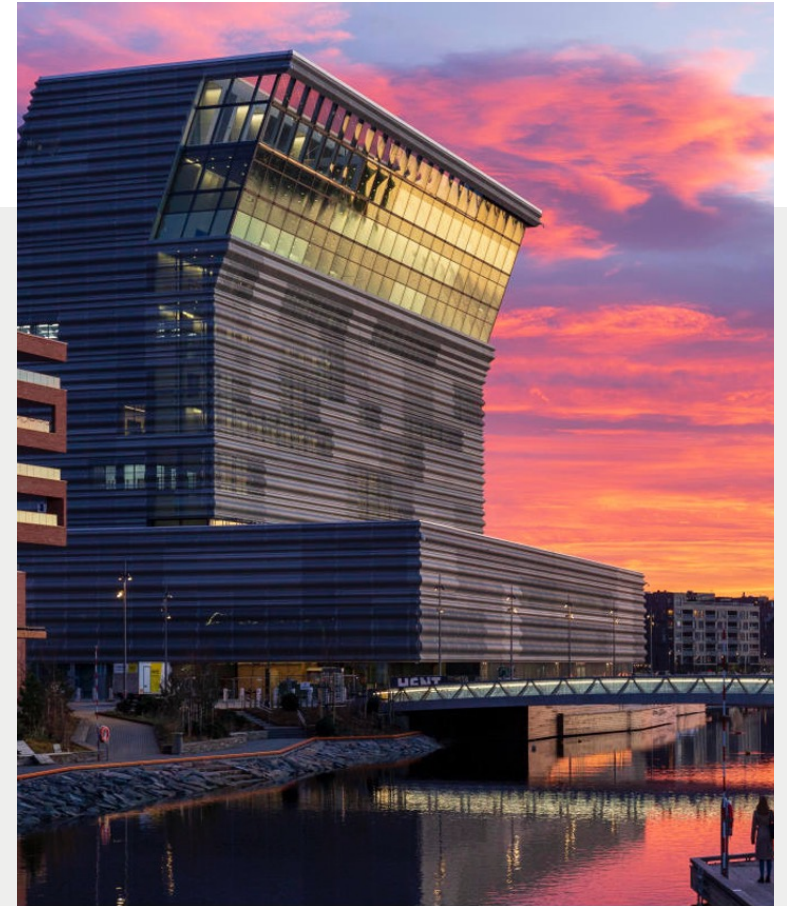
Introducing Oslo kommune



Oslo kommune

By the numbers

- 33 Municipal agencies
- 200 schools
- 90 000 pupils
- 2.7 million m² of property
- 110 million m³ sewerage cleansed yearly



The development and competency agency (UKE)

- Internal and external communication systems
- Salary and accounting
- IT infrastructure
- Support other agencies with training and expertise
- Marvin developer platform

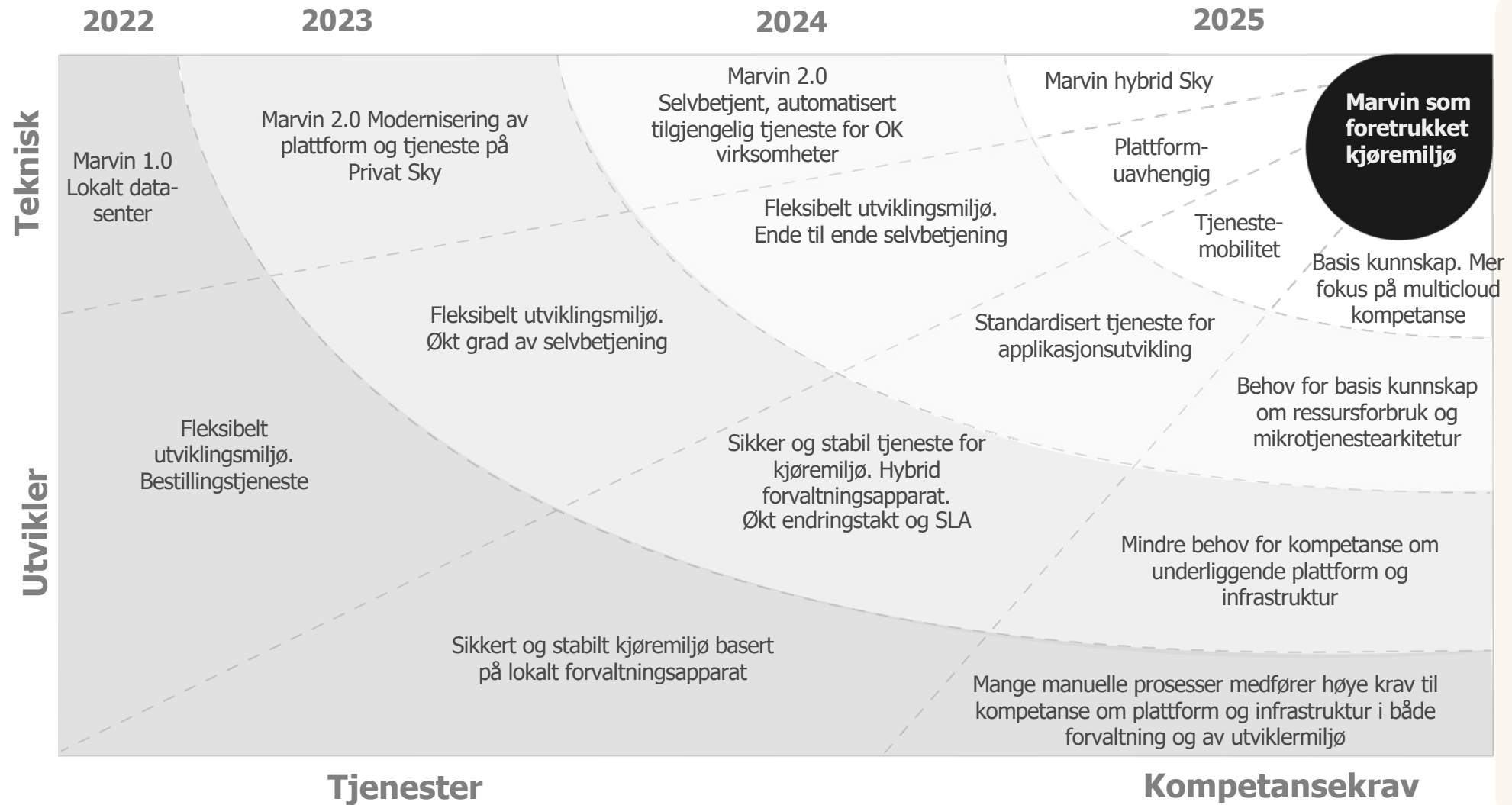


02

Vision for developer platform



Målbilde – Veikart Marvin



Målbilde for sluttbruker tjenester og felles IKT-plattform

Vision: The preferred platform for Oslo kommune developers

Hybrid Cloud

- Compliance
- Benefit from hyperscalers
- Dynamic integrations between environments

Self-service

- Autonomous developer teams
- Speed
- Portable applications

Standardized and reliable

- Standards for application development
- Reliable platform
- Automated processes
- Built-in security

Easily adoptable

- Lower skill requirements for kubernetes and infrastructure
- Focus on development

03

Why OpenShift?



Why OpenShift?

Maturity

- Battle-tested platform
- Experienced vendor and service provider

Adoption and day 2 operations

- Automated installation across platforms
- Operator framework

Supporting applications

- Monitoring
- GitOps
- Pipelines
- +++

Multi-cloud

- ARO
- VMWare
- GDPR

04

Batteries included



Kubernetes challenges

Staying up to date

- Must update regularly with security patches
- Update is quite complex

Kubernetes is not enough

- Monitoring, logging, security.
- Developer tooling

Large cloud native landscape

- Hard to get overview
- Choose your application stack

Broad skill requirements

- Must support platform and application stack

OpenShift

Automated upgrade

- Kubernetes and core platform components

Supporting applications

- Monitoring and logging stack
- Advanced cluster security
- Data Foundation

Developer tooling

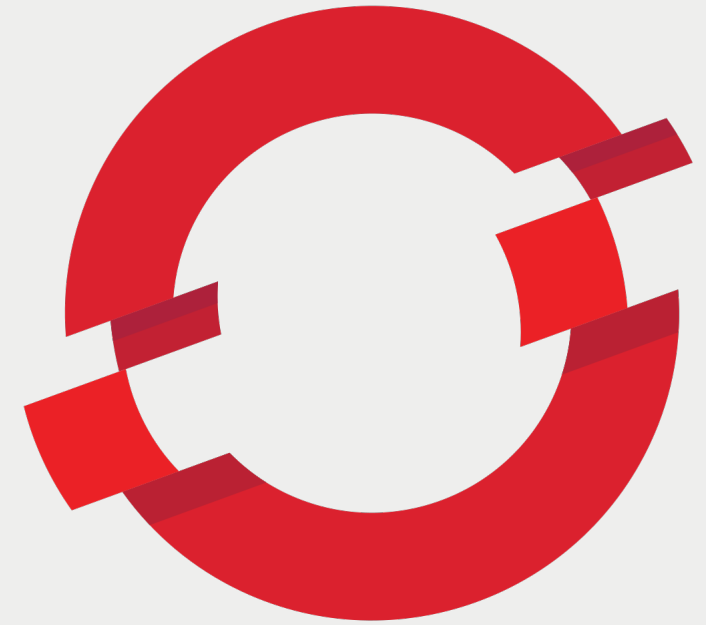
- OpenShift GitOps
- Packaged open-source projects

Support from Red Hat

- Platform
- Supporting applications
- Developer tooling

Container Platform as a Service

- Sopra Steria standard for OpenShift
- Lifecycle management
- Managed add-ons
- Standardized developer workflows

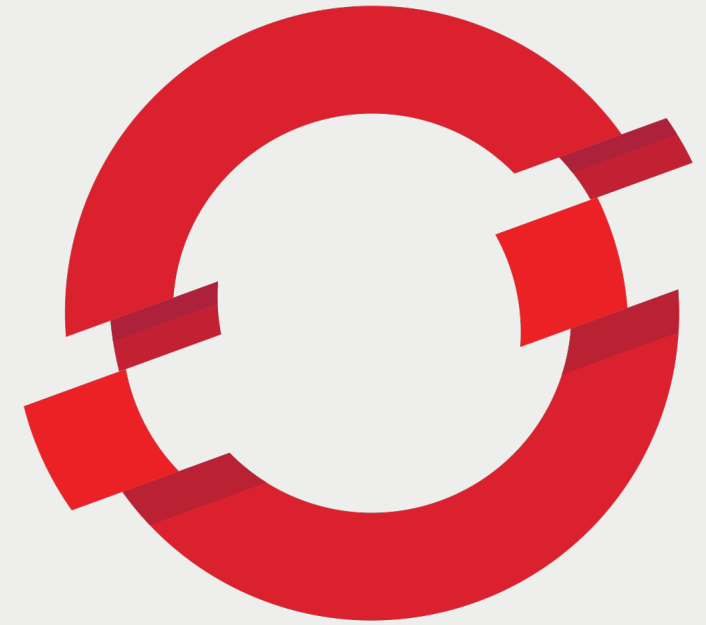


OPENSHIFT

Container Platform as a Service

Customer value

- Time to market
- Deployment frequency
- 24/7 incident response
- Streamlined development process
- Batteries included



OPENSIFT

Q&A



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