



# Cloud-native development with Eclipse MicroProfile on Kubernetes

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# Microservices

# Microservices

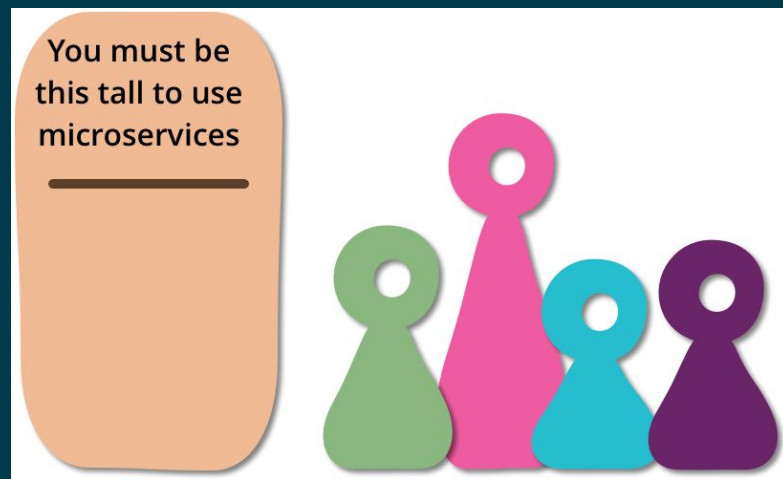
## The good

- Small team
- Developers choose technology
- Faster tests
- Independent deployment
- Easier maintenance
- Independent scaling
  
- **Fast development**

# Microservices

## The bad

- More deployments
- Require self-service, on-demand infrastructure
- More network communication
- Monitoring



Martin Fowler, [MicroservicePrerequisites](#)

# Cloud

# Cloud native

# Kubernetes and OpenShift

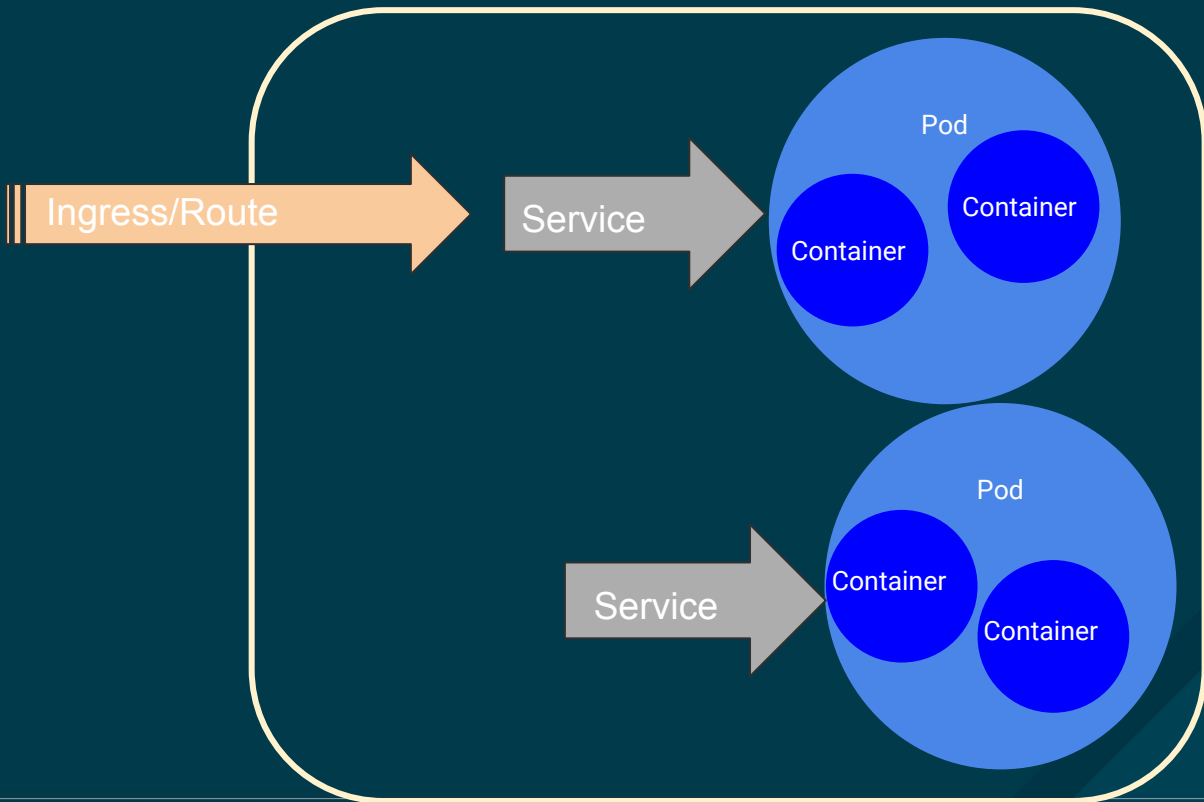
Use [minikube](https://minikube.sigs.k8s.io/) or [minishift.io](https://minishift.io/) for working locally



kubernetes



OPENSIFT



# MicroProfile

JSON-P 1.1

JSON-B 1.0

JWT  
Propagation

Config

OpenAPI

REST  
Client

CDI 2.0

JAX-RS 2.1

Fault  
Tolerance

Metrics

Open  
Tracing

Health  
Check



# Demo

# Links

Demo: <http://bit.ly/microprofile-on-kube>

<http://thorntail.io>   <https://groups.google.com/forum/#!forum/thorntail>  
#thorntail on FreeNode

<http://smallrye.io>   <https://github.com/smallrye/>

<http://microprofile.io>   <https://groups.google.com/forum/#!forum/microprofile>  
[MicroProfile data sheet](#)   <http://bit.ly/MP-ebook>   [MicroProfile calendar](#)



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