

# Supersonic, Subatomic, Kubernetes Native Java

# But first Maven

Quarkus Maven Plugin

<https://code.quarkus.io/>

QUARKUS

GET STARTED GUIDES COMMUNITY BLOG START CODING

### Application Info

Group

Artifact

Build Tool  [CONFIGURE MORE OPTIONS](#)

[Generate your application \(⌘ + ↵\)](#)

### Extensions

Selected Extensions

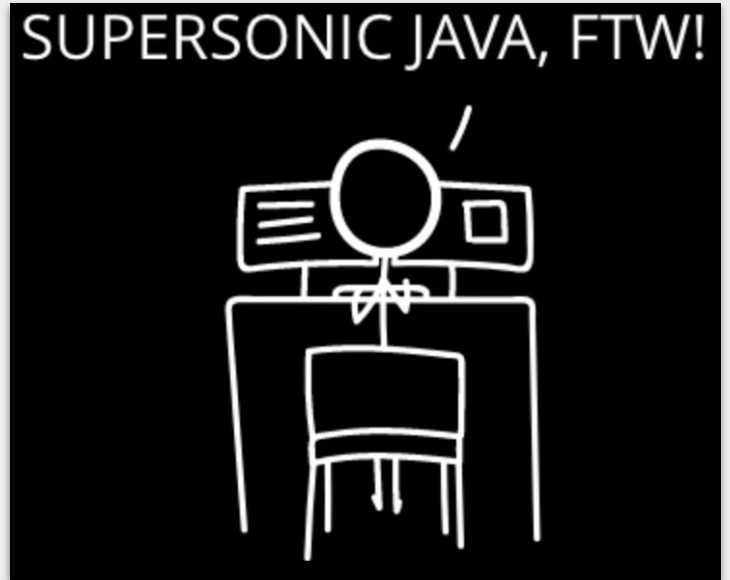
**Core**

Logging GELF [PREVIEW](#) Log using the Graylog Extended Log Format and centralize your...

**Info:** This page will help you bootstrap your Quarkus application and discover its extension ecosystem. Think of Quarkus extensions as your project dependencies. Extensions configure, boot and integrate a framework or technology into your Quarkus application. They also do all of the heavy lifting of providing the right information to GraalVM for your application to compile natively. Explore the wide breadth of technologies Quarkus applications can be made with. Generate your application! [Missing a feature? Found a bug? We are listening for feedback]

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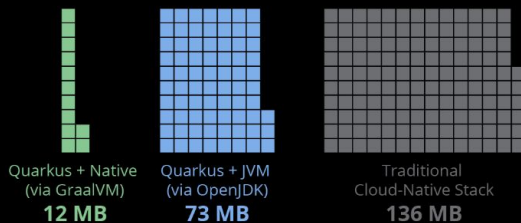
# Developer Joy



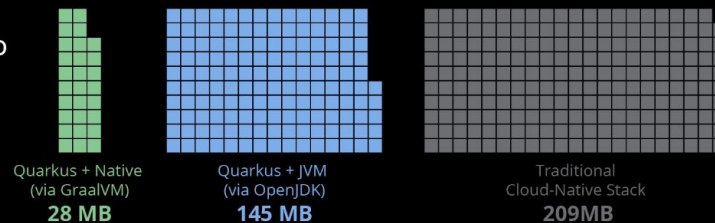
## Memory (RSS) in Megabytes\*

\*Tested on a single-core machine

REST



REST + CRUD



## BOOT + First Response Time

REST



REST + CRUD



# GraalVM™

High performance

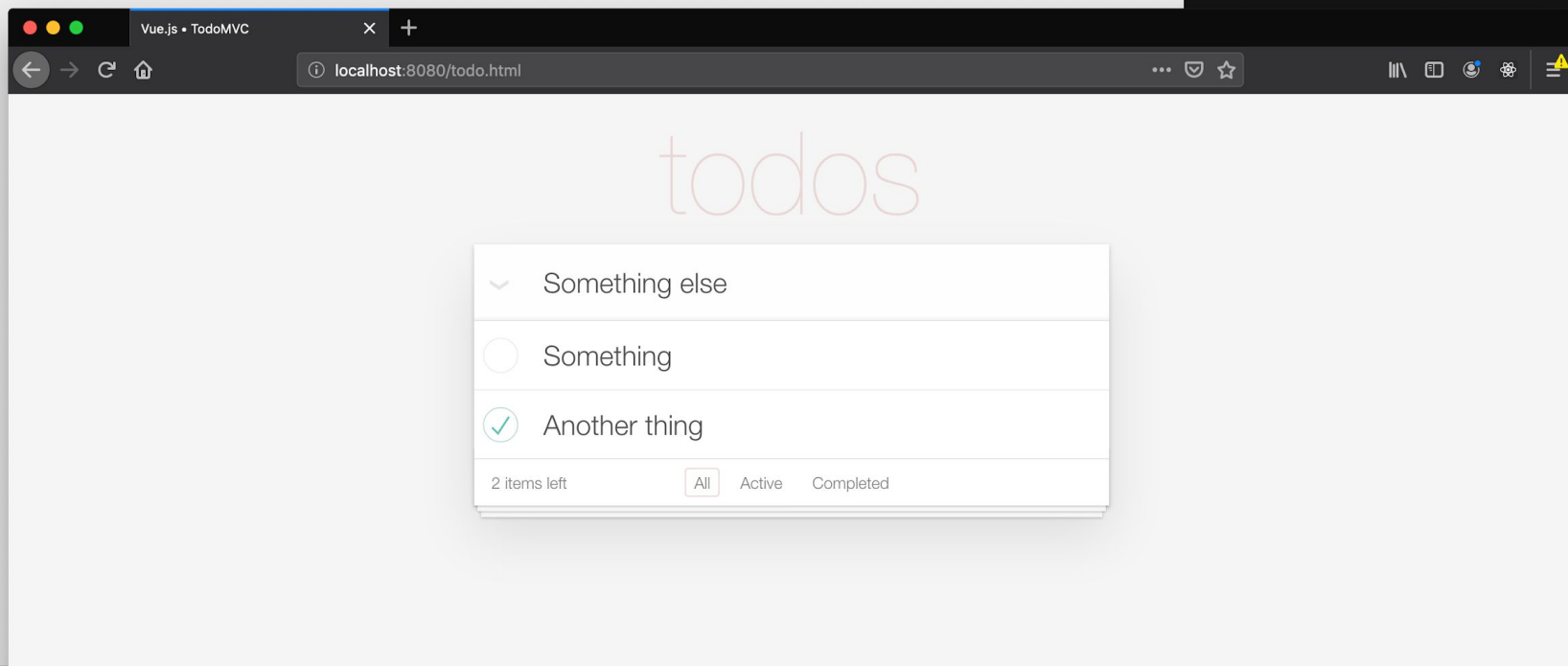
Polyglot

Native

Embeddable

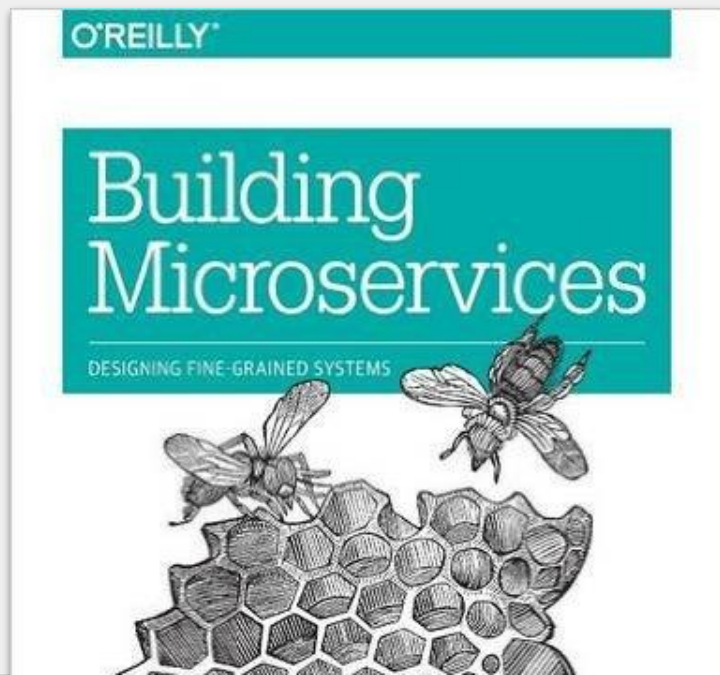
# Something Todo

REST API



Sam Newman's really excellent book

# Microservices



Why you should use  
OpenShift for your  
Microservices  
applications

Topology · Red Hat OpenShift

https://console-openshift-console.apps.ocp4.home.ocpcloud.com/topology/ns/cafe

Red Hat OpenShift Container Platform

Project: cafe Application: all applications

```
graph TD; kafkasource[kafkasource-kaf...] --> barista[DC barista]; kafkasource --> kitchen[DC kitchen]; barista --> core[DC core]; kitchen --> core; kitchen --> web[DC web]; core --- backend[backend]; web --- frontend[frontend]; web --> frontend;
```

Administrator

- Home
- Operators
- Workloads
- Serverless
- Networking
- Storage
- Builds
- Service Catalog
- Administration

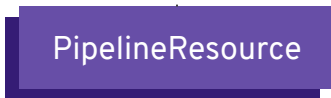
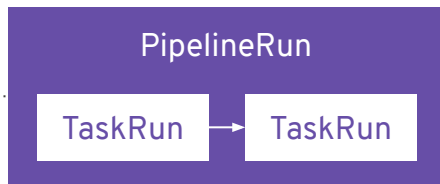
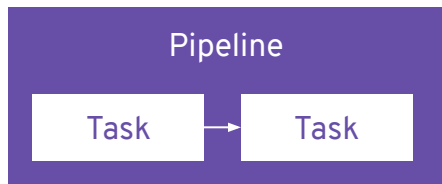
Search, Refresh, Full Screen icons



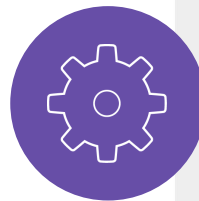
# OpenShift Pipelines



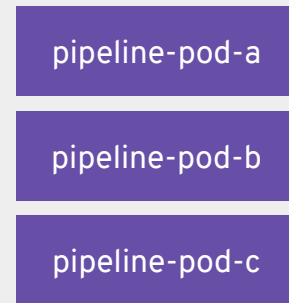
Define



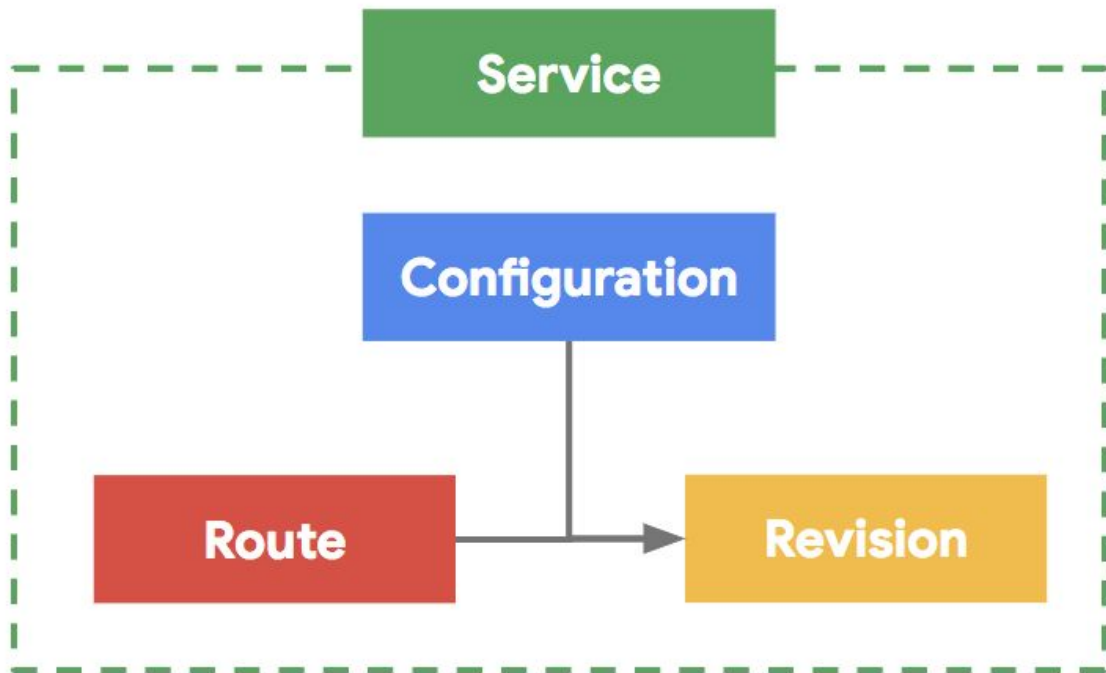
Run



Pipeline Controllers  
(Tekton, ext, ...)



# Knative Serving



**Service**  
combined lite version of the objects below to enable simple use cases

**Configuration**  
the desired state for your service, both code and configuration

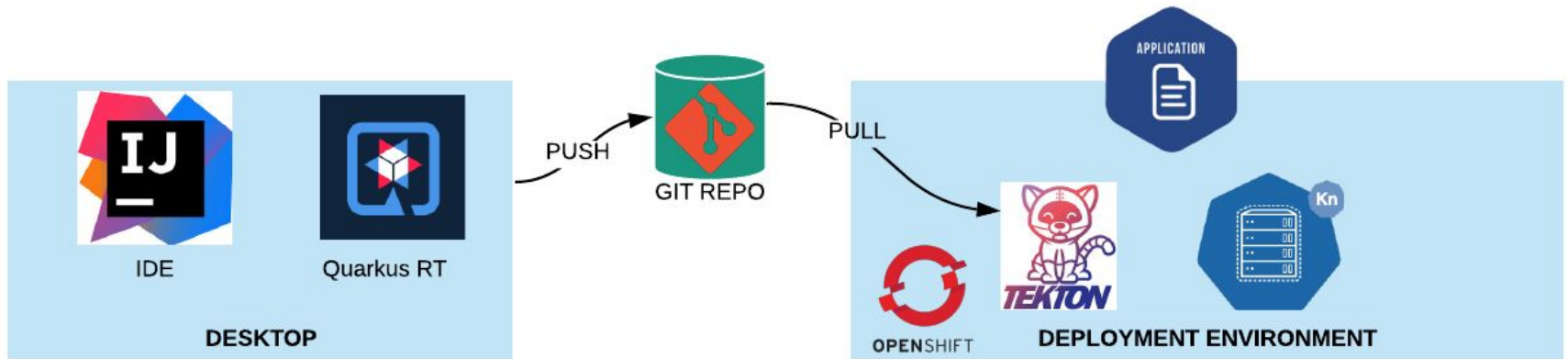
**Revision**  
an immutable point-in-time snapshot of code and configuration

**Route**  
assigns traffic to a revision or revisions of your service

# Demo

APP DEV

APP OPS



# Thank You!



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