

Introduction to Quarkus:

A Container-First Cloud Native Framework

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*Quarkus is a Cloud Native, Container First
framework for writing Java applications.*

Container First

Minimal footprint Java applications optimal for running containers

Cloud Native

Embraces 12 factor architecture in environments like Kubernetes

Unify imperative and reactive

Brings under one programming model non-blocking and imperative styles of development.

Standards-based

Based on the standards and frameworks you love and use today.

(RESTEasy, Hibernate, Netty, Eclipse Vert.x, Eclipse MicroProfile, Apache Camel...)

Developer Joy

Development centric experience, without compromise,
to bring your amazing apps to life in no time



GraalVM™

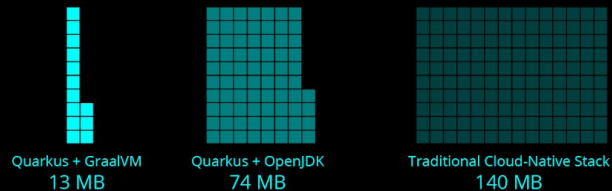
Native or JVM

Demo time!

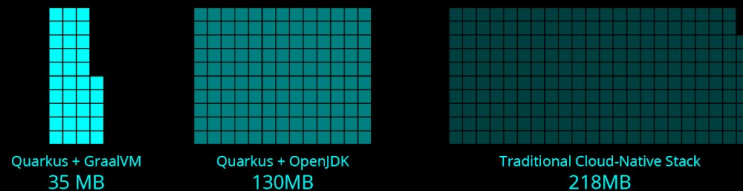
MEMORY AND BOOT + FIRST RESPONSE TIME

Memory (RSS) in Megabytes

REST



REST
+ JPA



Boot + First Response Time in Seconds

REST



REST
+ JPA



QUARKUS

Thank you!

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Further reading

- <http://quarkus.io>
- <https://developers.redhat.com/blog/2019/03/07/quarkus-next-generation-kubernetes-native-java-framework/>
- <http://in.relation.to/2019/03/08/why-quarkus/>

Q & A

