



Super Heroes Workshop

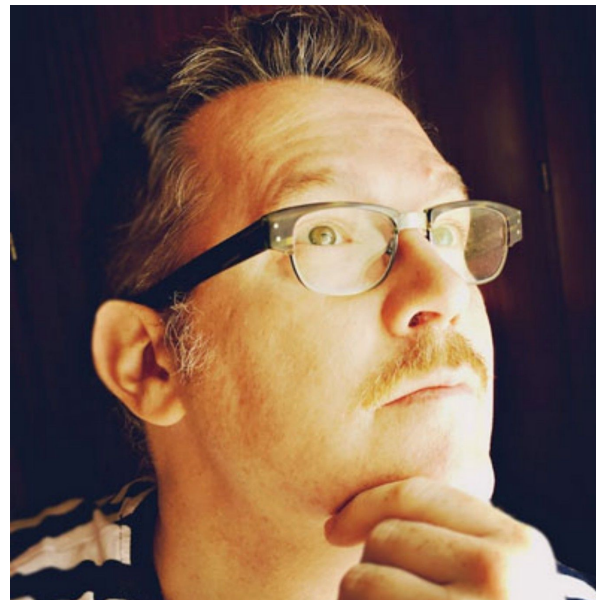
Aurea Munoz

Carlos Vicens

Who?



Aurea Muñoz
Senior Software engineer



Carlos Vicens
Senior Specialist Solution Architect



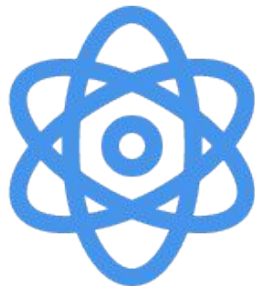
QUARKUS

Supersonic Subatomic Java

An Open Source stack to write Java apps



Cloud Native,

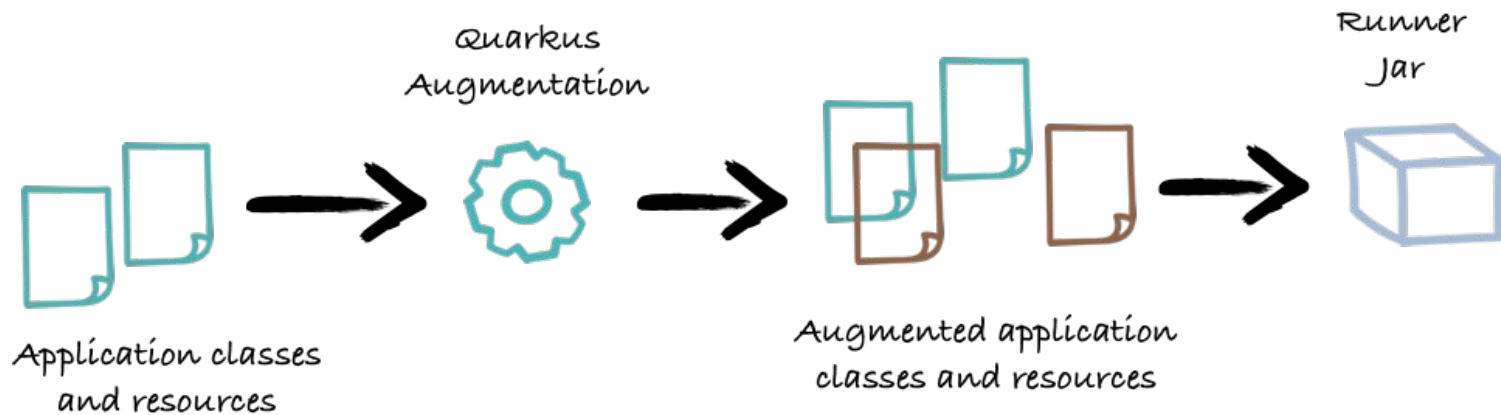


Microservices,

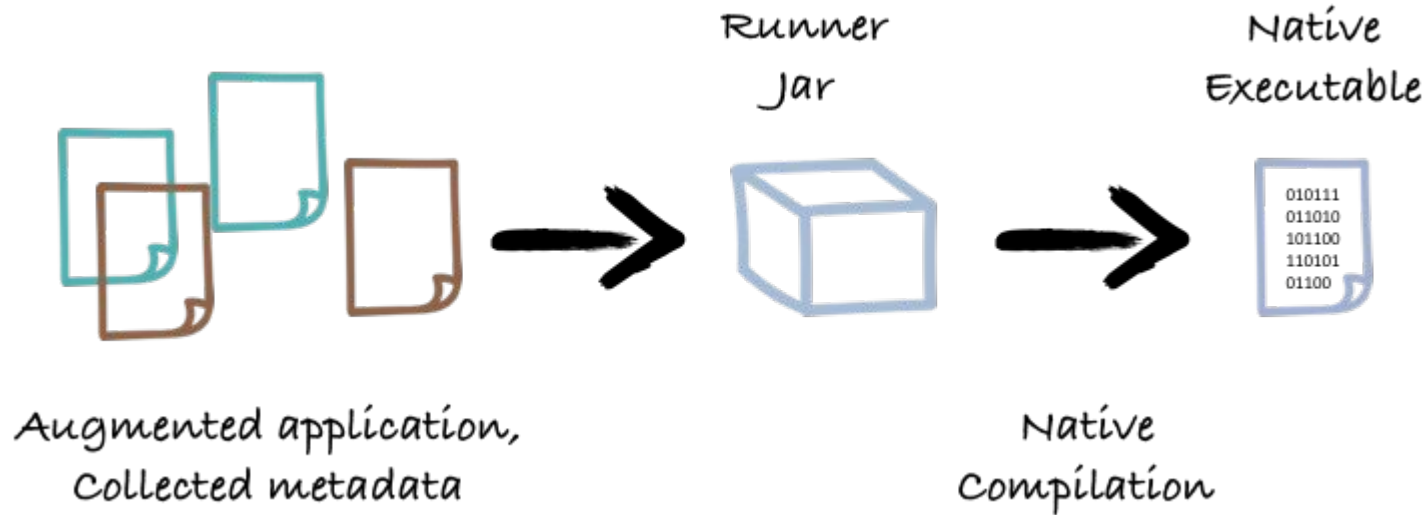


Serverless

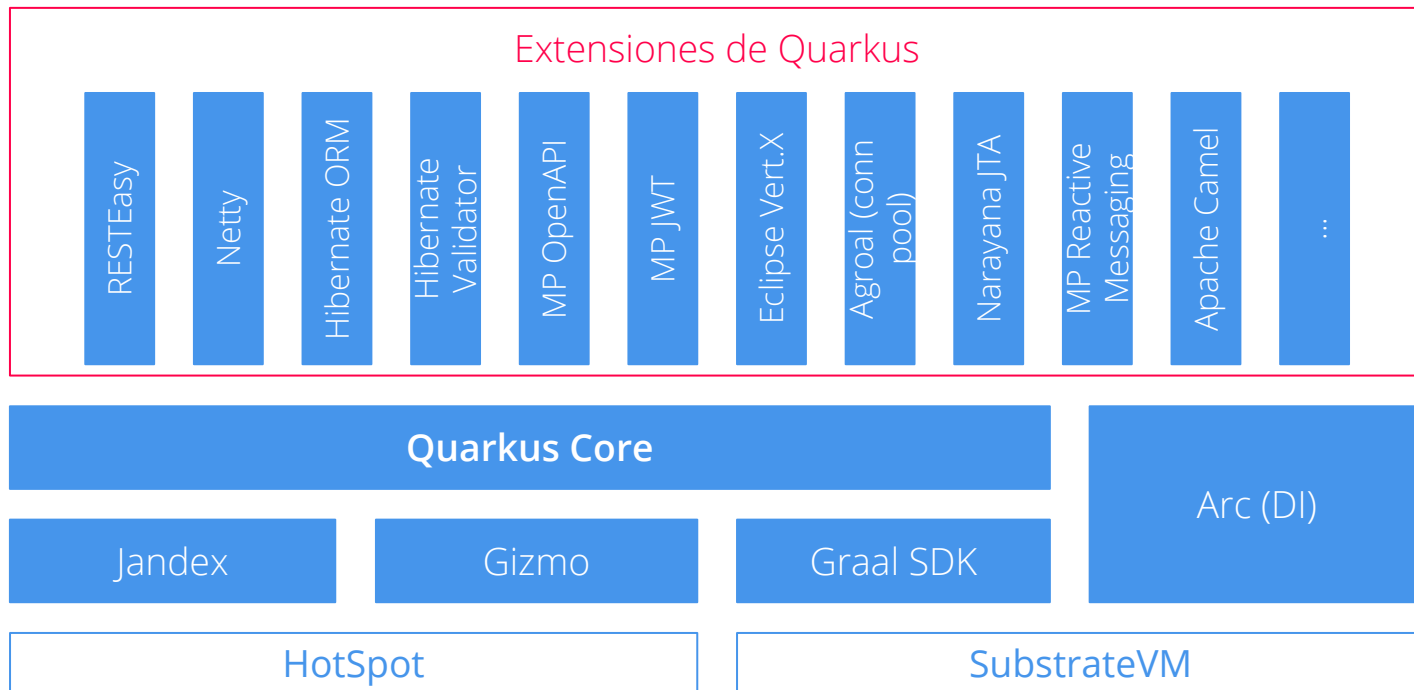
What's Quarkus?



What's Quarkus?



Quarkus core + extensiones



From java to native: getting started guide

```
mvn io.quarkus.platform:quarkus-maven-plugin:2.2.3.Final:create \
  -DprojectId=org.acme \
  -DprojectArtifactId=getting-started \
  -DclassName="org.acme.getting.started.GreetingResource" \
  -Dpath="/hello"
cd getting-started
```

<https://quarkus.io/guides/getting-started#bootstrapping-the-project>

Best Frameworks

The logo for Eclipse Vert.x, featuring the word "VERT.x" in a bold, sans-serif font. "VERT" is in dark blue and ".x" is in purple.

Eclipse Vert.x



Eclipse MicroProfile



Spring Compas



Hibernate



RESTEasy



Apache Camel



Kubernetes



OpenShift



Jaeger



Prometheus



Apache Kafka



Netty

QUARKUS

Supersonic Subatomic Java

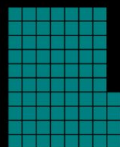
MEMORY AND BOOT + FIRST RESPONSE TIME

Memory (RSS) in Megabytes

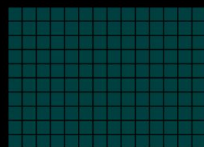
REST



Quarkus + GraalVM
13 MB



Quarkus + OpenJDK
74 MB

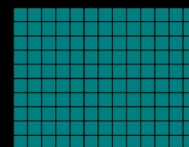


Traditional Cloud-Native Stack
140 MB

REST
+ JPA



Quarkus + GraalVM
35 MB



Quarkus + OpenJDK
130MB



Traditional Cloud-Native Stack
218MB

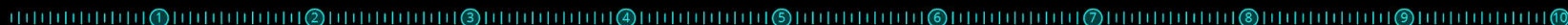
Boot + First Response Time in Seconds

REST

Quarkus + GraalVM 0.014 sec

Quarkus + OpenJDK 0.75 sec

Traditional Cloud-Native Stack 4.3 sec



REST
+JPA

Quarkus + GraalVM .055 sec

Quarkus + OpenJDK 2.5 sec

Traditional Cloud-Native Stack 9.5sec



QUARKUS

 quarkus-dev@googlegroups.com

 <https://quarkusio.zulipchat.com>

 @quarkusio

 YouTube **Quarkus Insights**

Gracias!



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