



## Super Heroes Workshop

Aurea Munoz

Carlos Vicens

Who?



Aurea Muñoz  
Senior Software engineer



Carlos Vicens  
Senior Specialist Solution Architect





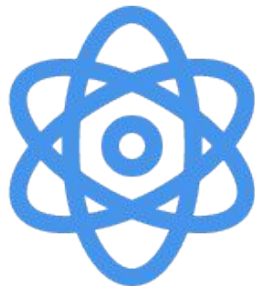
# QUARKUS

Supersonic Subatomic Java

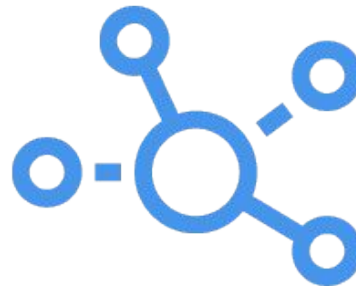
# An Open Source stack to write Java apps



Cloud Native,

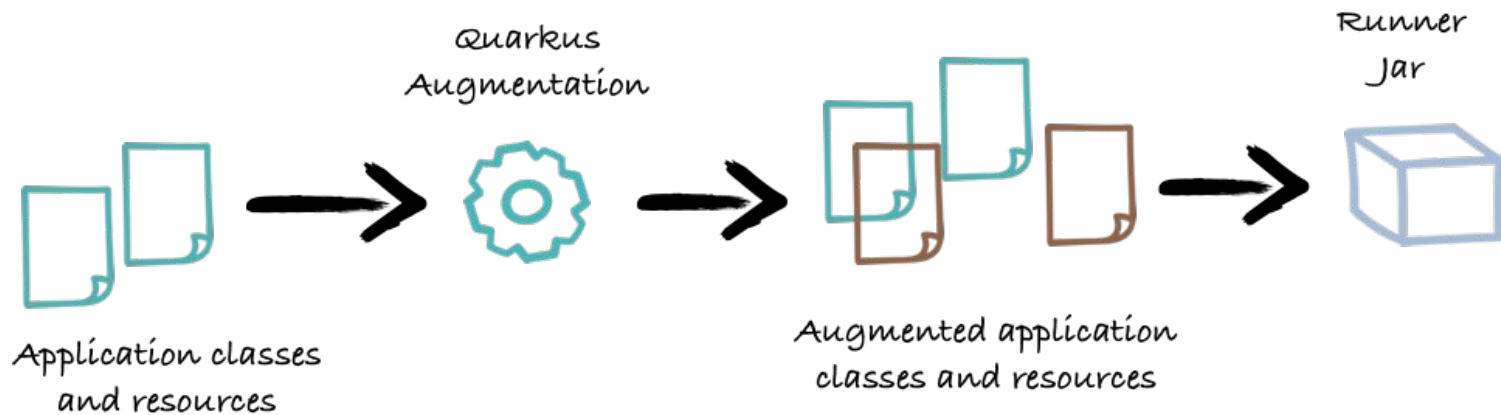


Microservices,

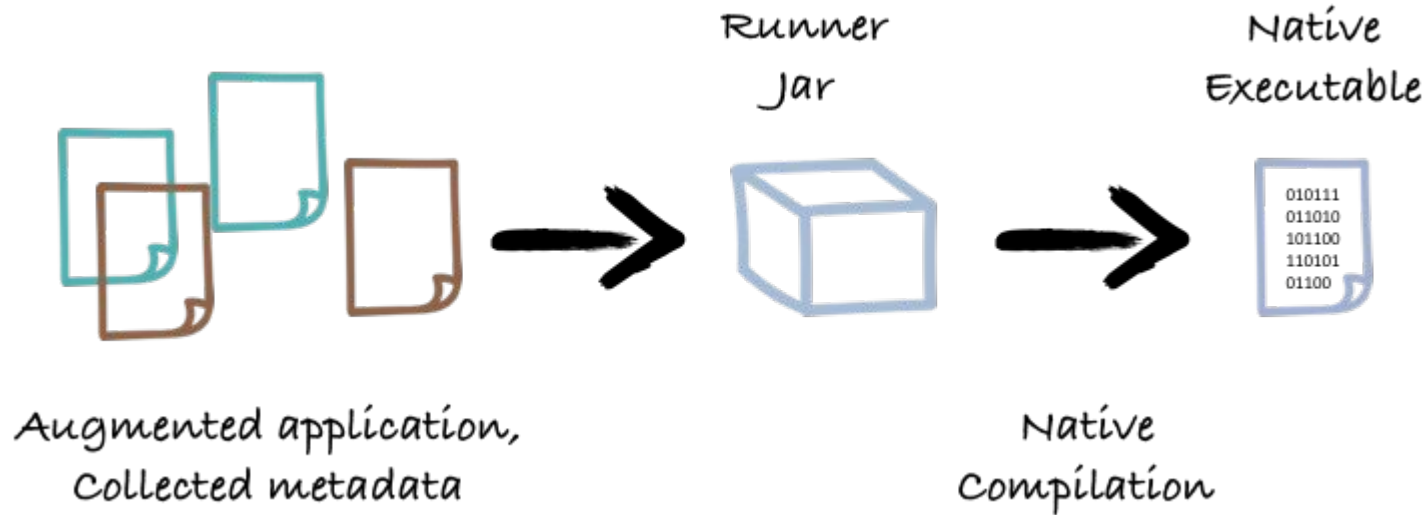


Serverless

# What's Quarkus?



# What's Quarkus?



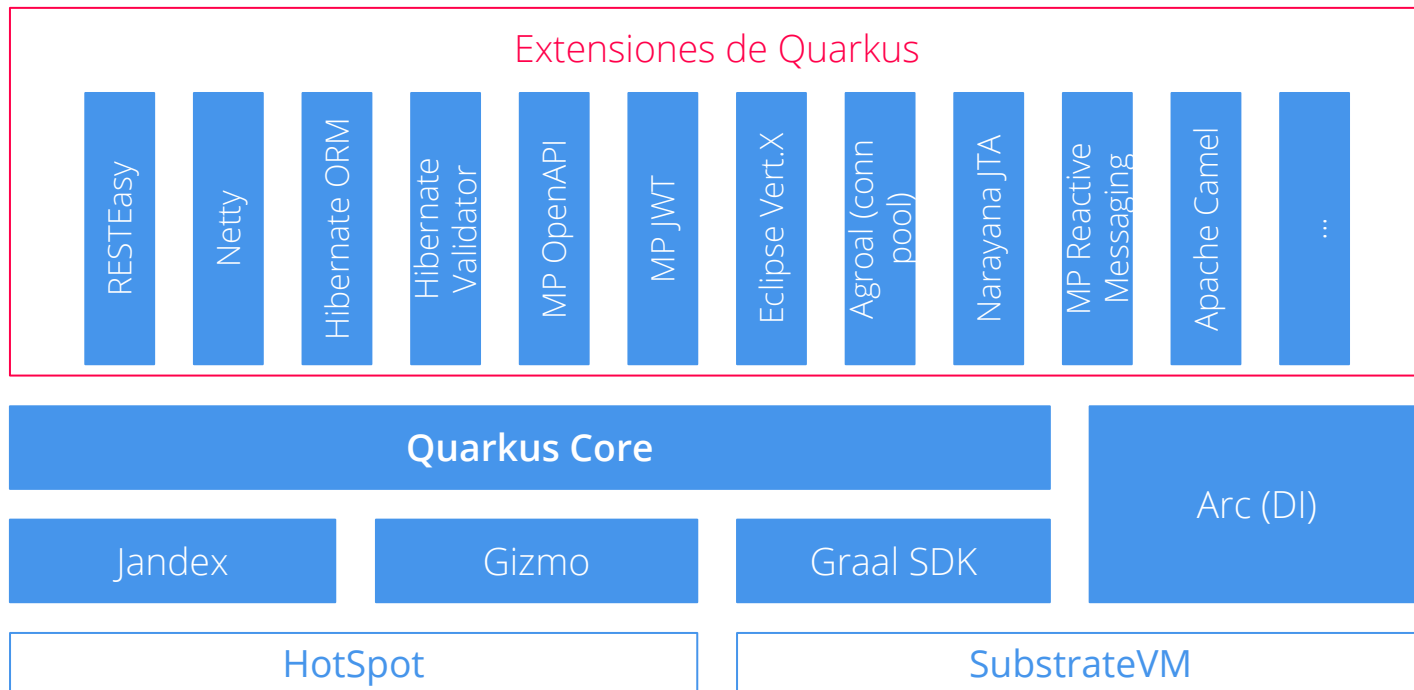


# From java to native: getting started guide

```
mvn io.quarkus:quarkus-maven-plugin:1.9.2.Final:create \  
  -DprojectId=org.acme \  
  -DprojectId=getting-started \  
  -DclassName="org.acme.getting.started.GreetingResource" \  
  -Dpath="/hello"  
cd getting-started
```

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

# Quarkus core + extensiones





## 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

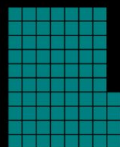
### MEMORY AND BOOT + FIRST RESPONSE TIME

Memory (RSS) in Megabytes

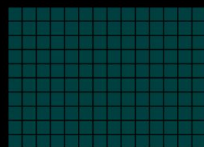
REST



Quarkus + GraalVM  
13 MB



Quarkus + OpenJDK  
74 MB

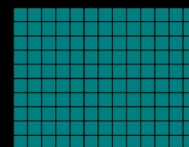


Traditional Cloud-Native Stack  
140 MB

REST  
+ JPA



Quarkus + GraalVM  
35 MB



Quarkus + OpenJDK  
130 MB



Traditional Cloud-Native Stack  
218 MB

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

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 [quarkus-dev@googlegroups.com](mailto:quarkus-dev@googlegroups.com)

 <https://quarkusio.zulipchat.com>

 @quarkusio

 YouTube **Quarkus Insights**

# Gracias!



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