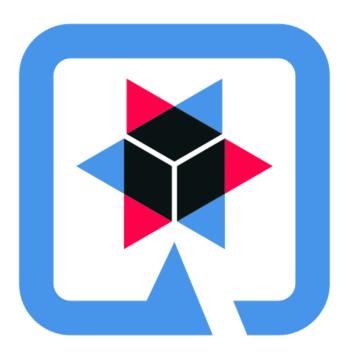
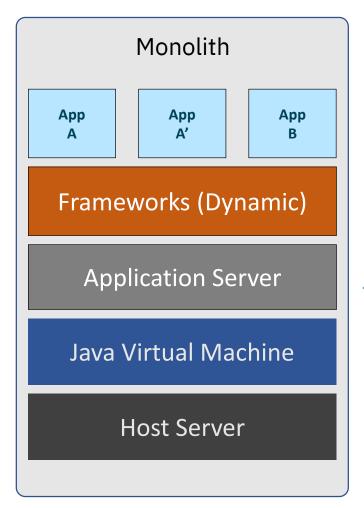
- Evolution of the Java Stack
- Why Quarkus
- Demo
- Conclusion







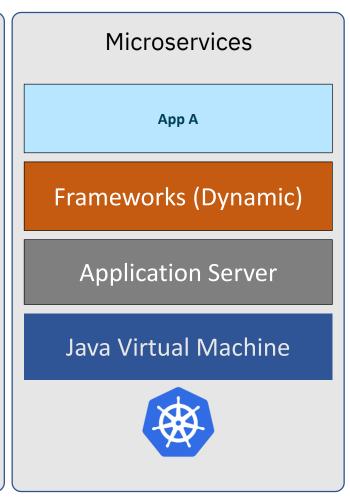


- Multi app
- Long living applications (months)
- 1GB + Memory
- Long startup time





Monolith App App App Frameworks (Dynamic) **Application Server** Java Virtual Machine Host Server

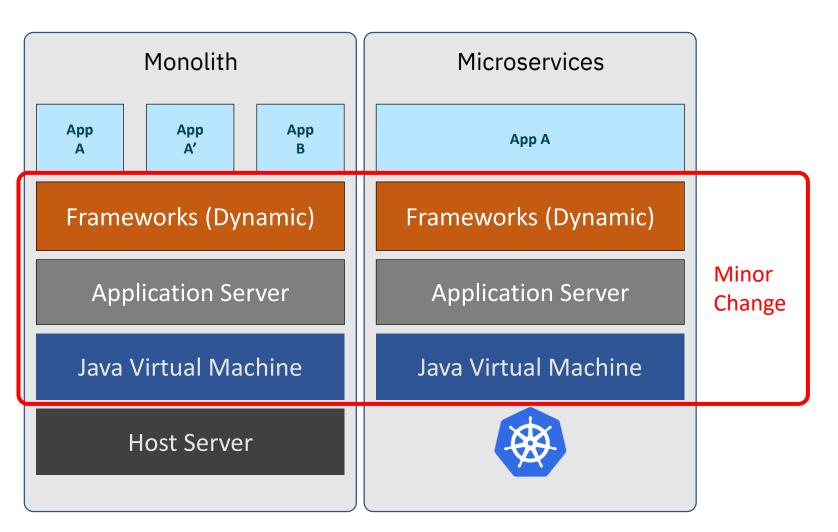




- Single app
- Short living applications (days)
- 100MBs Memory
- Startup time : few seconds





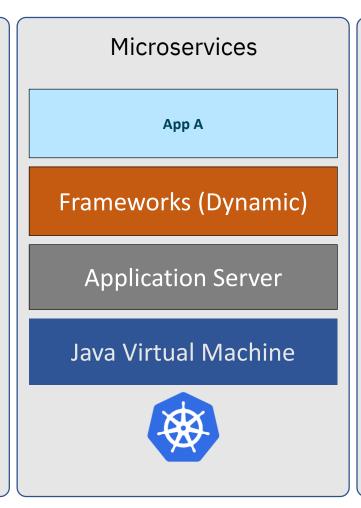


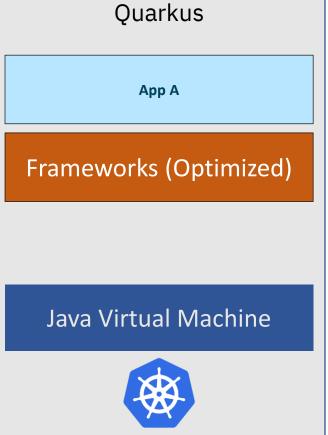
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Monolith App App App Frameworks (Dynamic) **Application Server** Java Virtual Machine **Host Server** 





Single appShort living applications

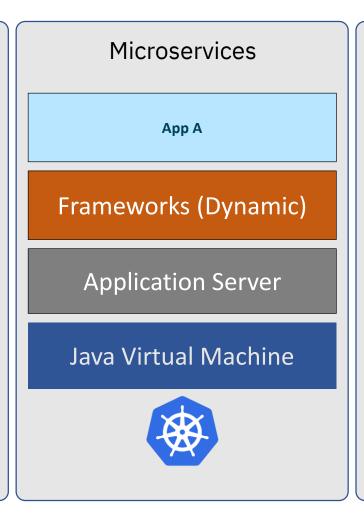
(days)

- 10MBs Memory
- Millisecs !!!





Monolith App App App Frameworks (Dynamic) **Application Server** Java Virtual Machine **Host Server** 





- Single app
- Short living applications (days)
- 10MBs Memory
- Millisecs !!!





#### Quarkus ...

"... not a revolution ... but a natural evolution"



- Low footprint (less memory, less cpu at runtime)
- Very fast startup, ideal for serverless
- Based on best of breed libraries and standards (Microprofile)
- Great developer productivity (hot reloading)



"With Quarkus, we could run 3 times denser deployments without sacrificing availability and response times of services"

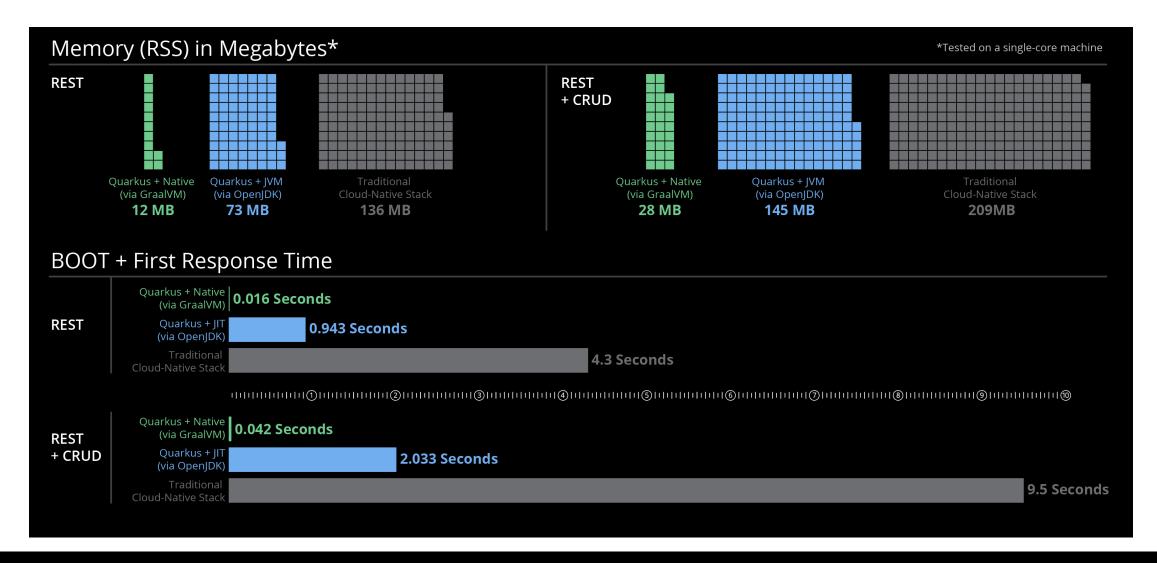
Lufthansa Technik

https://quarkus.io/blog/aviatar-experiences-significant-savings/





### Quarkus.io







### Summary



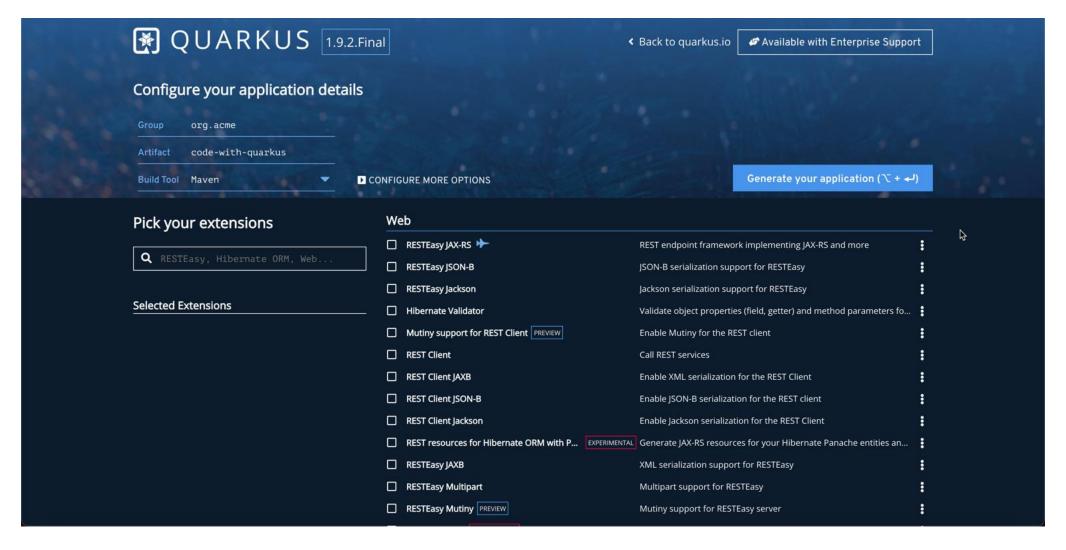
#### Quarkus:

- is perfect for Cloud Native, containerized workloads (microservices)
- is easy to use, very developer friendly
- has a very low memory footprint
- has a very fast startup time (ideal for serverless scenario's)





# Getting started ... code.quarkus.io







# Demo

