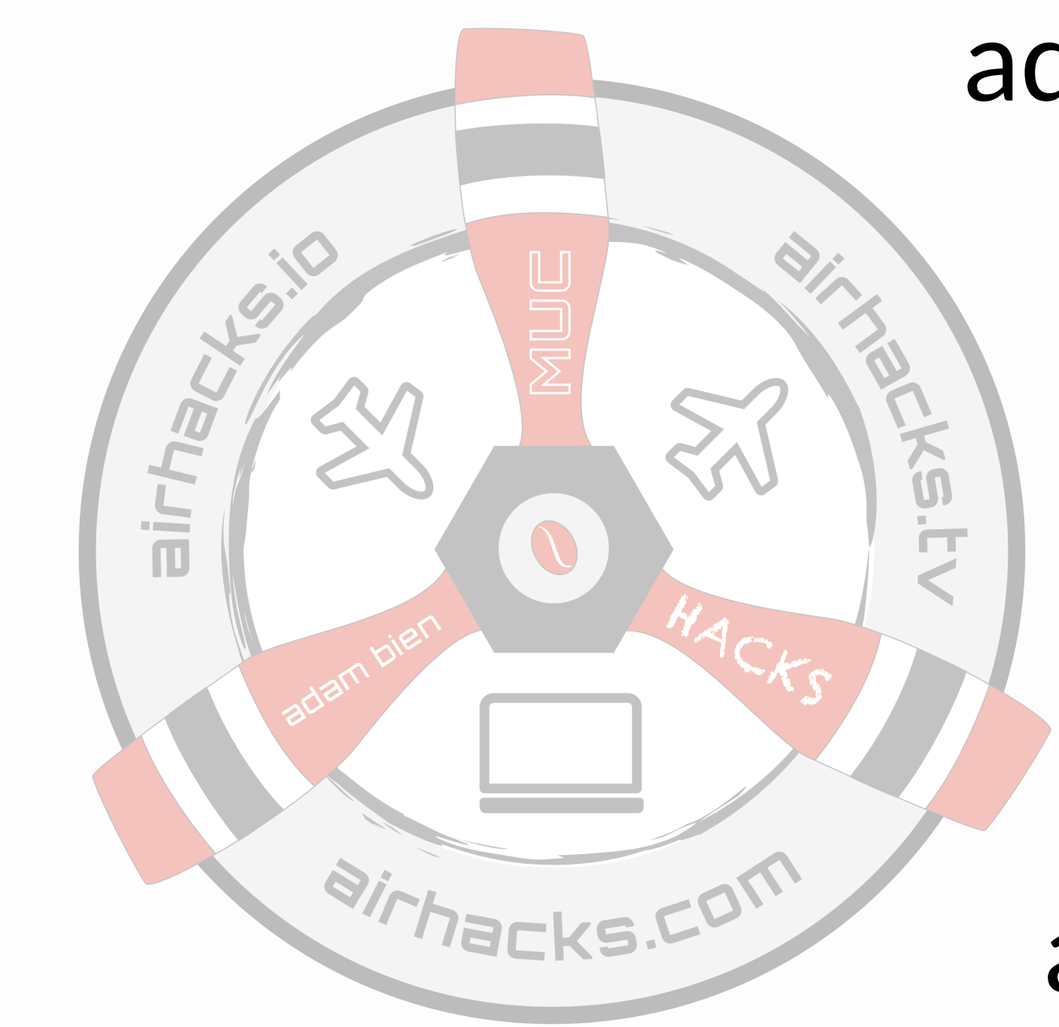
Quarkus with and beyond MicroProfile

standards on steroids

"It's not work if you like it"
…so I never worked. #java



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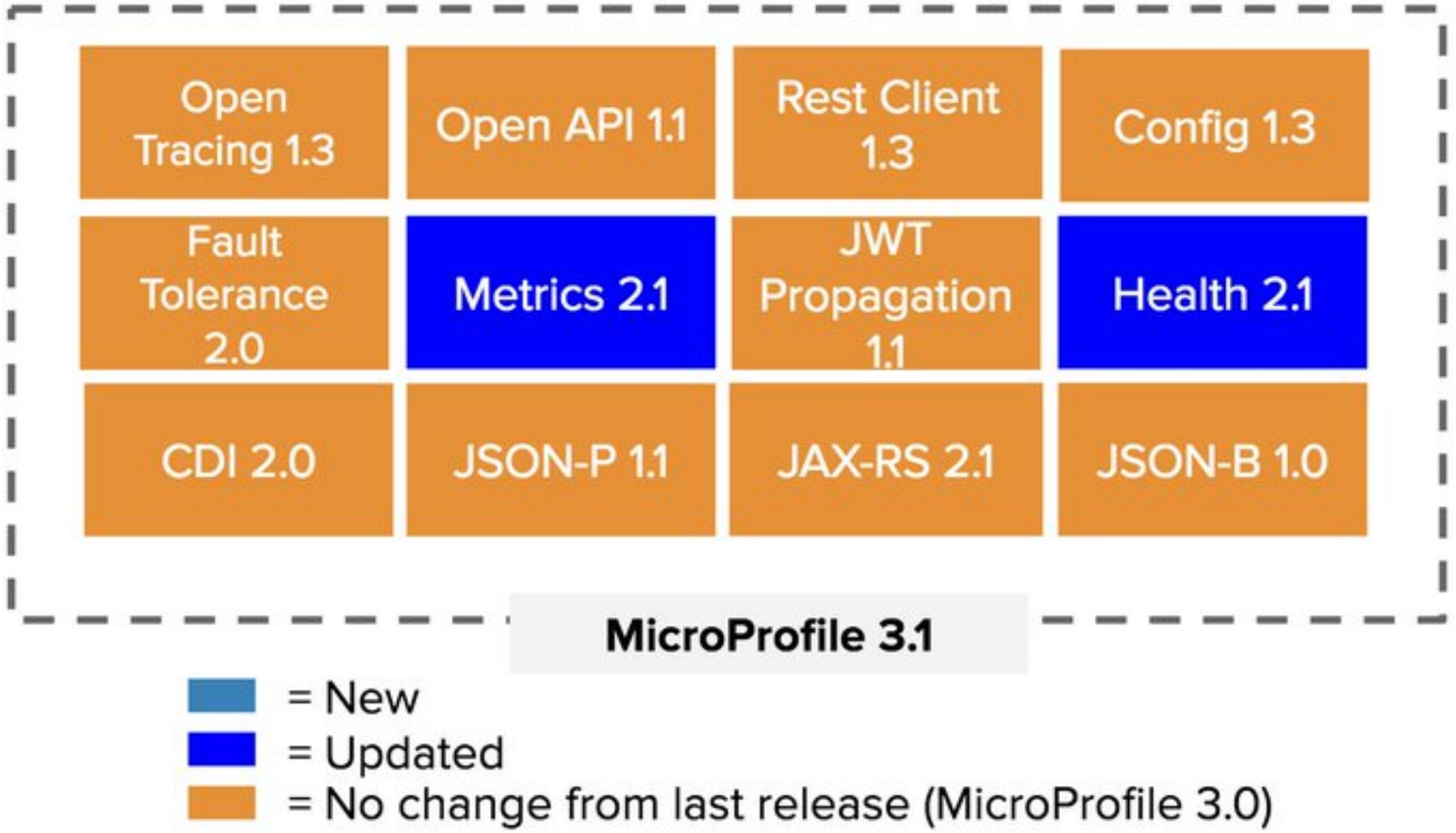
Agenda

Explaining the magic behind quarkus
The Jakarta EE foundation: JSON-P, JSON-B, CDI and JAX-RS
Implementing liveness and readiness probes with Health API
Fault tolerance: Using Fallbacks, CircuitBreakers, Retries and thread pools for robustness
JWT Authentication
Exposing technical and business metrics
Documenting REST endpoints with OpenAPI
Inter-microservice tracing with OpenTracing
Using Rest Client for Service-to-Service communication
Configuration with MicroProfile config
Reactive Messaging with Kafka, SSE, and JMS
Reactive Streams Operators
Quarkus on HotSpot
Targeting native environments
Using Panache as alternative persistence layer
Building Quarkus extensions
Java EE / Jakarta EE to Quarkus migrations
Integration and System Testing with Quarkus
Docker and Kubernetes Deployments

Code

https://github.com/AdamBien/airhacks
https://github.com/adambien/docklands

MicroProfile



Just Another Framework?

Quarkus RequestScoped, Stateless and DI magic

Tree Shaking

Native / GraalVM compilation

Developer Experience

Containers

Build and CI / CD

Microservices, Serverless (...)

Java EE / Jakarta EE Migrations

Clouds and Kubernetes

Structuring Applications

Real World, Patterns, Best Practices

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Learn once, never migrate #usetheplatform

July 9th, 2020, from 10am to 5pm CEST

Thank You!

and see you at:

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