Java User Group Philippines Meetup #2

Thanking the sponsors...

"The food is provided by Azul, who also provide fast and cost-efficient Java!"

"The venue is provided by O&B Software Labs"

"Free licenses by JetBrains"











Join the Community



Foojay Slack: bit.ly/join-foojay-slack



facebook.com/groups/jugph



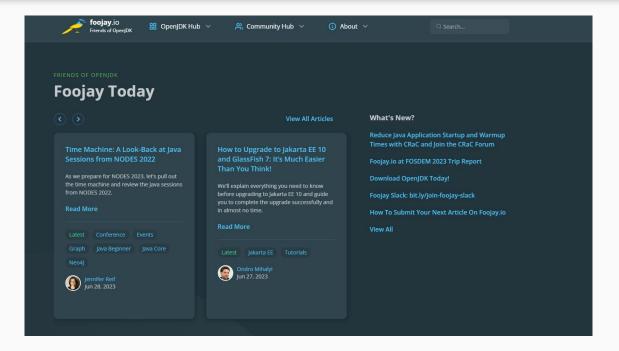
meetup.com/java-user-group-ph/



twitter.com/jugphilippines

Checkout Foojay.io

https://foojay.io/



Checkout Dev.java

https://dev.java/





Quarkus and OpenShift Development





Meet REYNALDO JOHN TRISTAN MAHINAY Senior Technical Specialist and Java SME at IBM

- Tristan Mahinay is currently a JUG Leader of Java User Group Philippines.
- He is also a Senior Technical Specialist and Java SME for IBM CIC Philippines.
- Tristan has been developing Java-based applications for 5 years.
- He spends a significant amount of his time blogging, reading, and contributing to the Java community.











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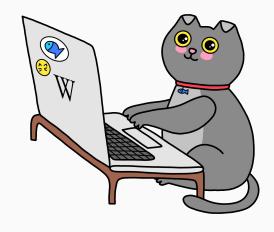
me@rjtmahinay.com



What will the audience expect today?

Live coding using IntelliJ and Gradle

Deployment to RedHat
OpenShift using an
extension





What is Quarkus?

Kube-native

Cloud-native

Support for Reactive Code

Industry/Community
Standards

Developer-Centric

Kubernetes-native

- Increase productivity using built-in features of Kubernetes
 - Application Configuration
 - Health Metrics
 - Single-step Deployments (S2I) using Quarkus Extension
 - Remote Development
- Remote Development can be done by using the ff:
 - quarkus:remote-dev (Maven)
 - quarkusRemoteDev (Gradle)

Cloud-native

- Low memory footprint
- Reduced reflection
- Fast boot time
- Support for GraalVM

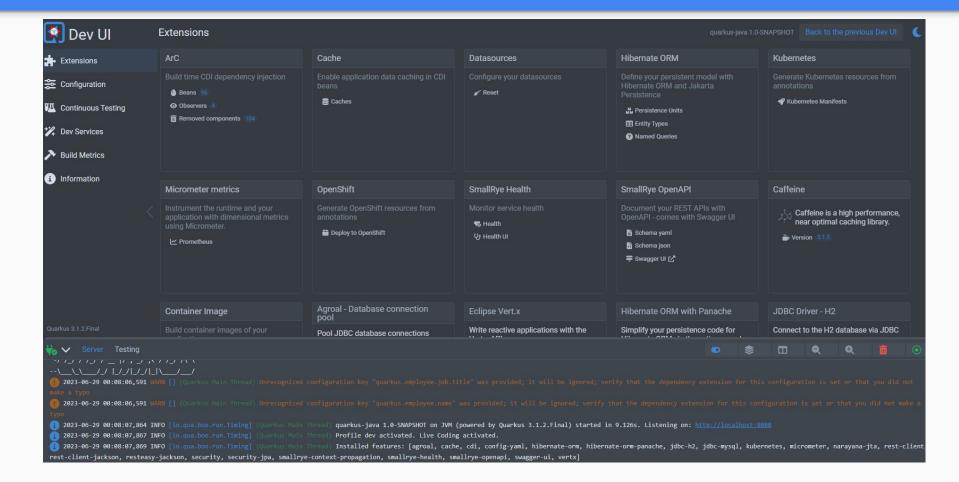
Support for Reactive Code

- Support HTTP Microservices
 - RESTEasy Classic
- Reactive Programming
 - RESTEasy Reactive
 - SmallRye Mutiny
- Event-driven Applications
 - AMQP
 - Apache Kafka
 - Apache Camel
- Function/Serverless
 - o AWS Lambda
 - Google Cloud Functions
 - Azure Functions
 - Quarkus Funqy

Developer-Centric

- Live Coding
- Remote Development
- DevUI
 - Can be access in development mode and by executing quarks:dev goal or quarkusDev task
- Continuous Testing in DevUI
- CLI

Dev UI



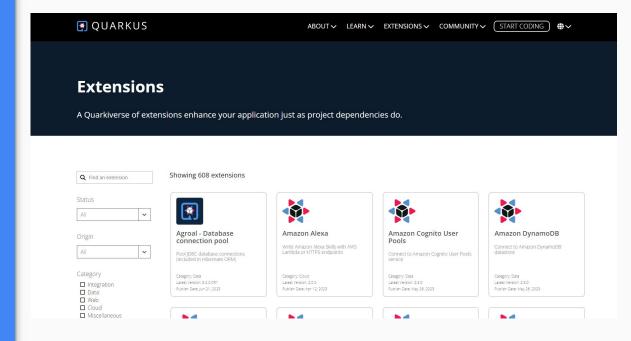
Industry/Community Standards

 Support the usage of JAX-RS/JAX-WS, JPA, Microprofile, Vert.x, Micrometer, Spring Framework and so on..

What is an extension?

https://quarkus.io/extensions/

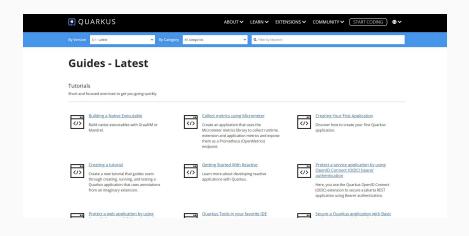
Enhance your Quarkus applications just like a project dependency.



Where to start?

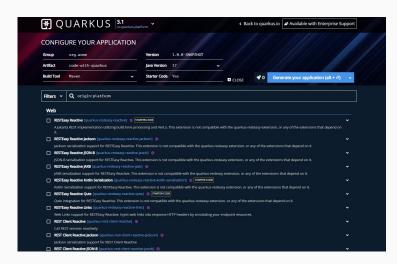
Quarkus Documentation

https://quarkus.io/guides/



Quarkus Initializer

https://code.quarkus.io/

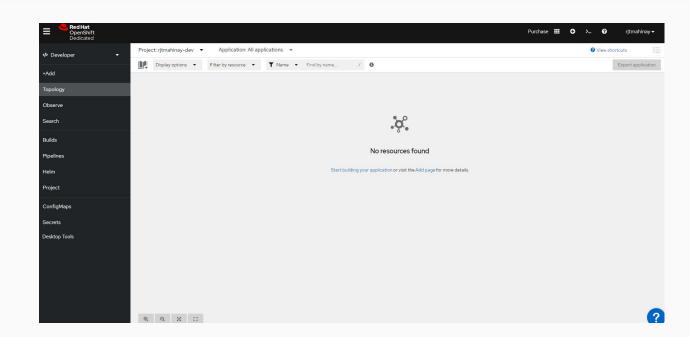


Demo

What is OpenShift?

Kubernetes-based Platform

Hybrid Cloud

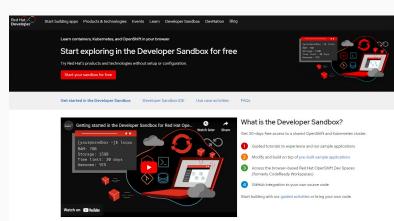


OpenShift Sandbox

- Visit: https://developers.redhat.com/developer-sandbox
- 30 days access

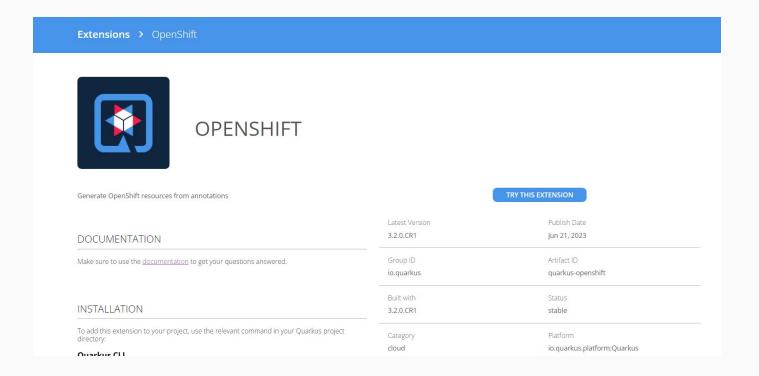
Data are deleted after the given period but you can provision a sandbox

again.



What is S2I?

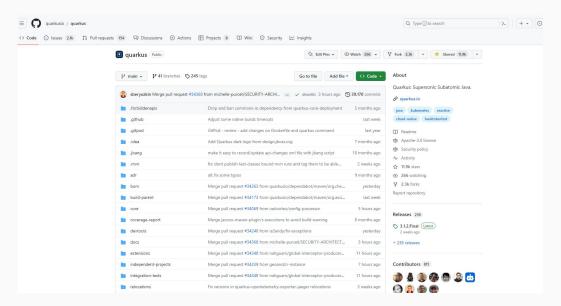
Source-to-Image (S2I) is a framework that makes it easy to write images that take application source code as an input and produce a new image that runs the assembled application as output.



Demo

Want to contribute to Quarkus?

https://github.com/quarkusio/quarkus



Q & A

Raffle