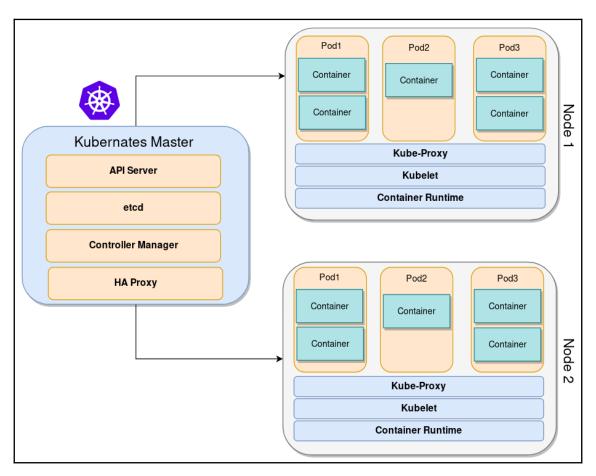
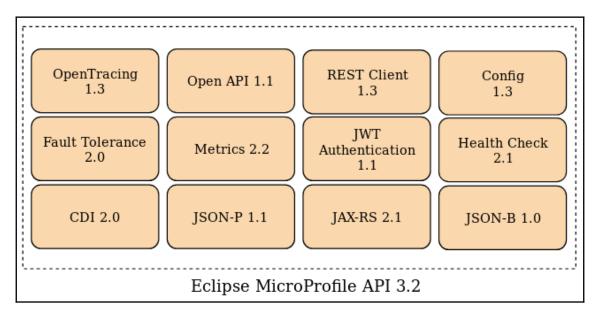
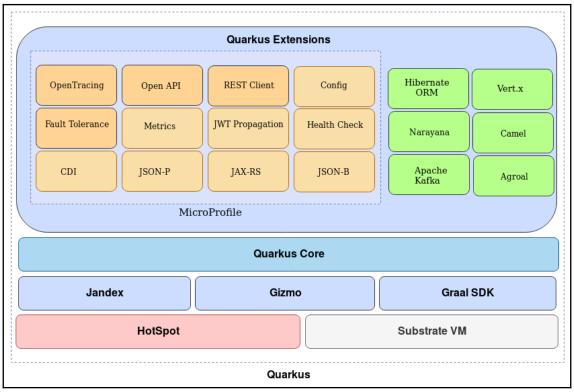
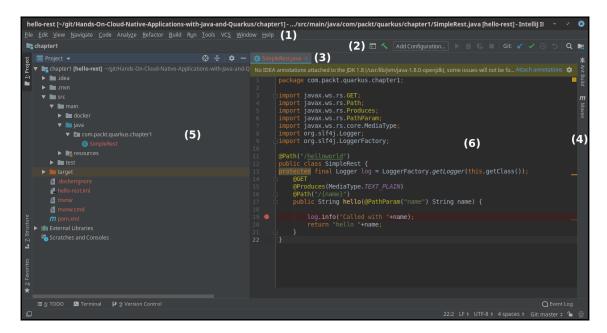
Chapter 1: Introduction to Quarkus Core Concepts



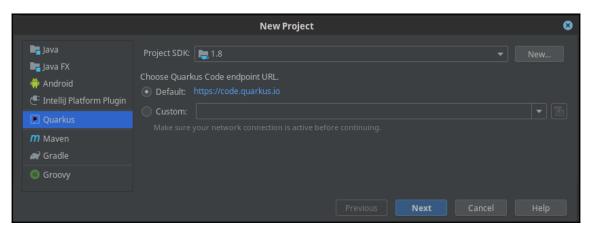


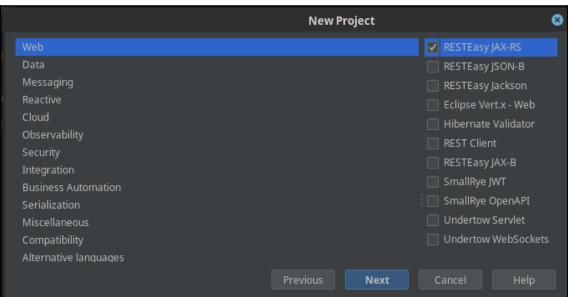


JAVA	SCALA	JS	C/C++	Python		
		TRUFFLE				
GRAAL						
JVMCI						
HOTSPOT VM						

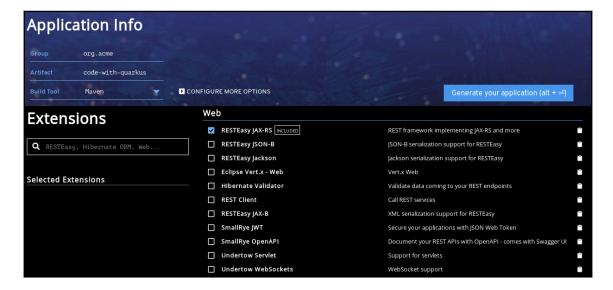


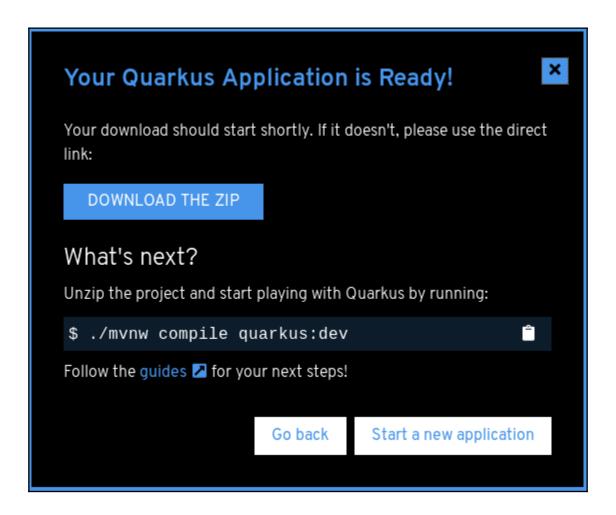


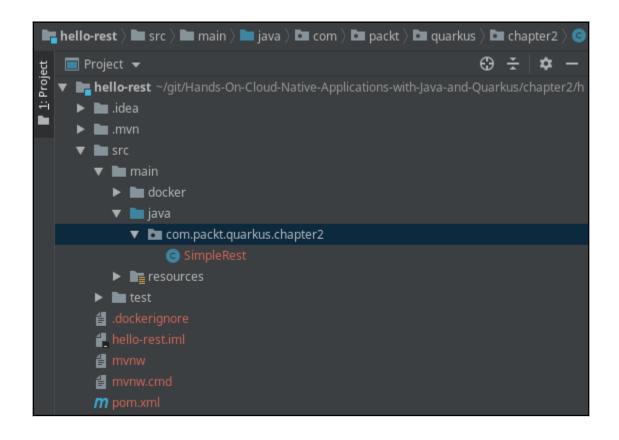




Chapter 2: Developing Your First Application with Quarkus

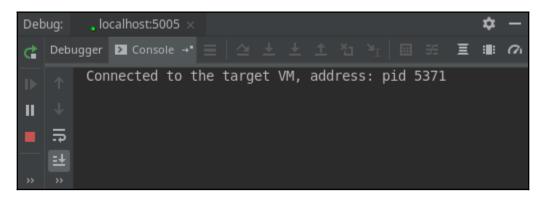


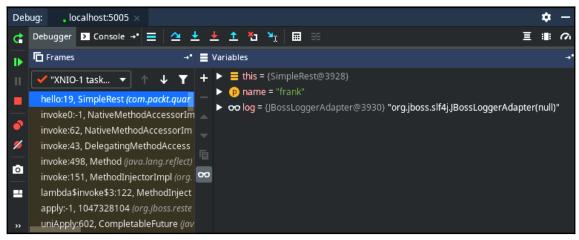




```
package com.packt.quarkus.chapter2;
|
| jimport javax.ws.rs.GET;
 import javax.ws.rs.Path;
 import javax.ws.rs.Produces;
 import javax.ws.rs.PathParam;
 import javax.ws.rs.core.MediaType;
 import org.slf4j.Logger;
import org.slf4j.LoggerFactory;
 @Path("/helloworld")
 public class SimpleRest {
     protected final Logger log = LoggerFactory.getLogger(this.getClass());
     @GET
     @Produces(MediaType.TEXT PLAIN)
     @Path("/{name}")
     public String hello(@PathParam("name") String name) {
         return "hello "+name;
     @Produces(MediaType.TEXT PLAIN)
    public String hello() {
```

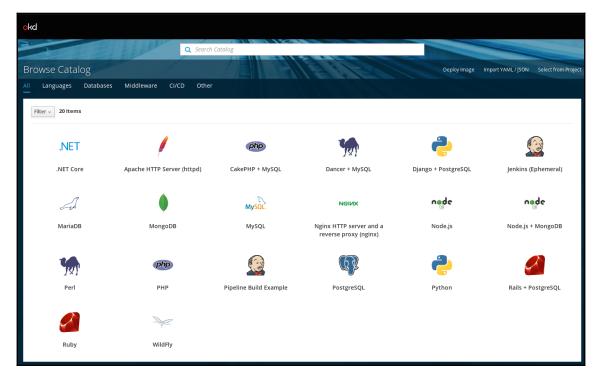
Attach with Java Debugger To				
Attach with Java Debugger 10				
Java -				
🗐 5371 /home/francesco/git/Hands-On-Cloud-Native-Applications-with-Java-and-Quarkus/chapter2/hello-rest/target/hello-rest-dev.jar (5005				
Java Read Only				
🗐 2846 com.oracle.svm.hosted.server.NativeImageBuildServer				
🗐 4996 org.jetbrains.idea.maven.server.RemoteMavenServer				
3337 org.apache.maven.wrapper.MavenWrapperMain				

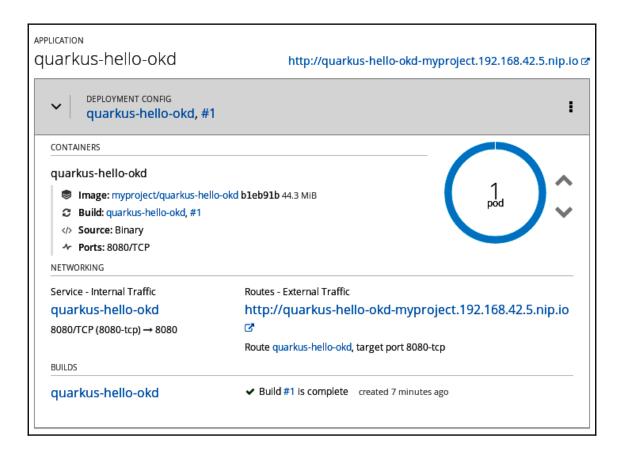




Chapter 3: Creating a Container Image of Your Application







Your new Cloud-Native application is ready!

Congratulations, you have created a new Quarkus application.

Why do you see this?

This page is served by Quarkus. The source is in src/main/resources/META-INF/resources/index.html.

What can I do from here?

If not already done, run the application in dev mode using: mvn compile quarkus:dev.

- Add REST resources, Servlets, functions and other services in src/main/java.
- Your static assets are located in src/main/resources/META-INF/resources.
- Configure your application in src/main/resources/application.properties.

How do I get rid of this page?

Application

GroupId:

com.packt.quarkus.chapter3

ArtifactId: hello-okd

Version: 1.0-SNAPSHOT

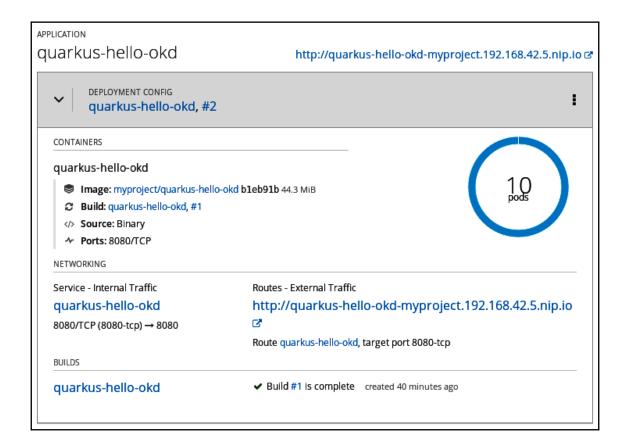
Quarkus Version: 0.13.1

Next steps

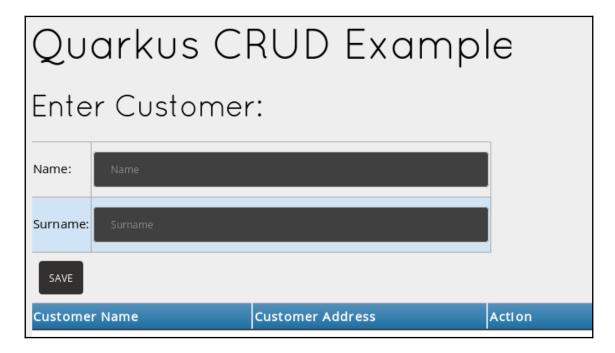
Setup your IDE

Getting started

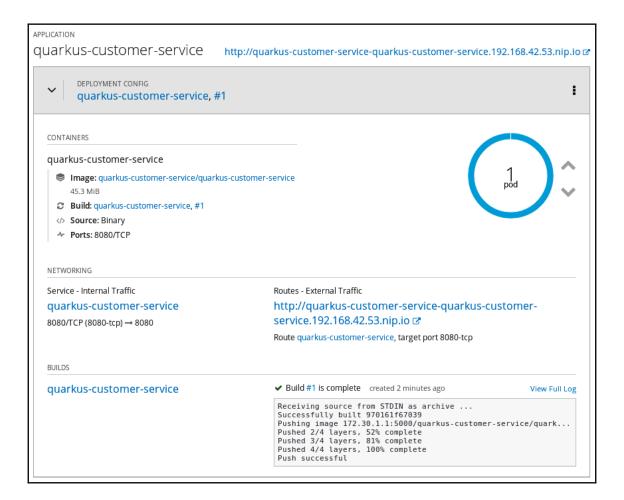
Quarkus Web Site

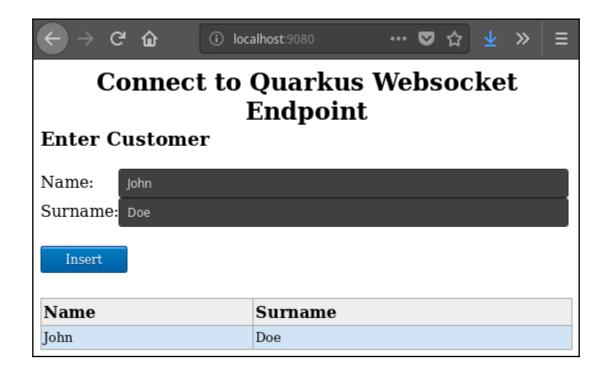


Chapter 4: Adding Web Interfaces to Quarkus Services

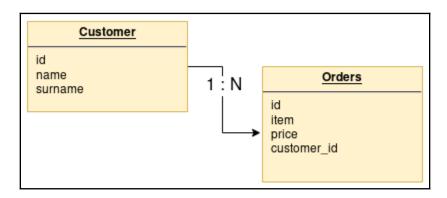


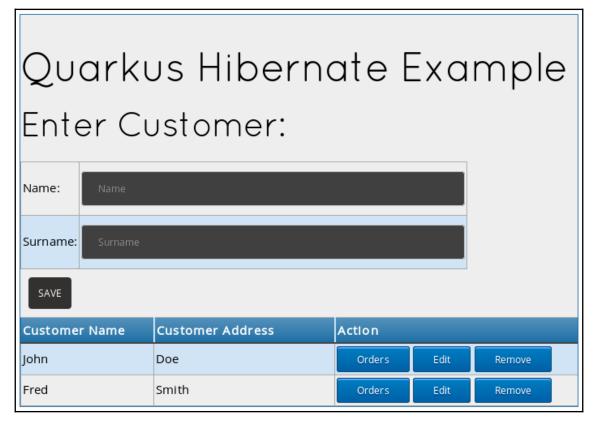
Quarkus CRUD Example Enter Customer: Name: Name Surname: Surname Customer Address Action John Smith Edit Remove



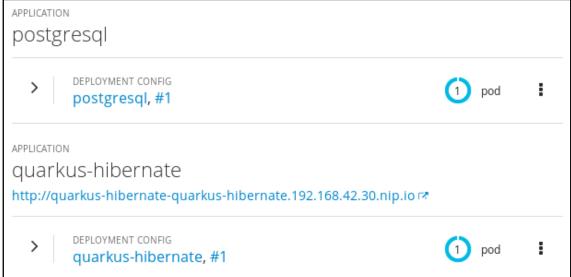


Chapter 5: Managing Data Persistence with Quarkus

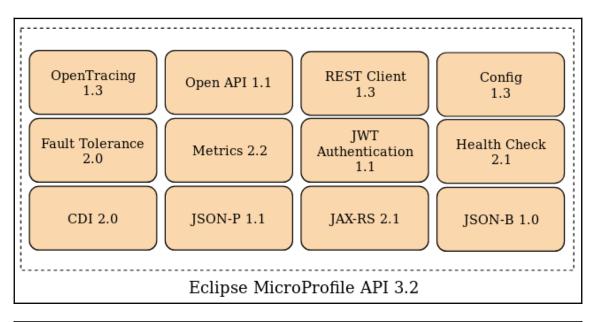




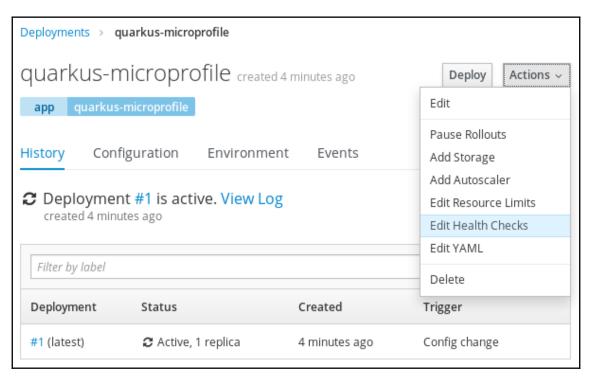


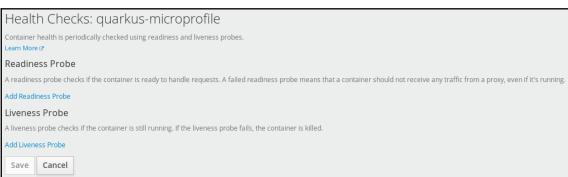


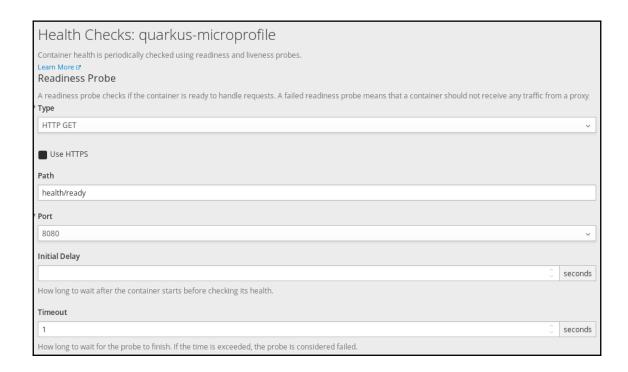
Chapter 6: Building Applications Using the MicroProfile API

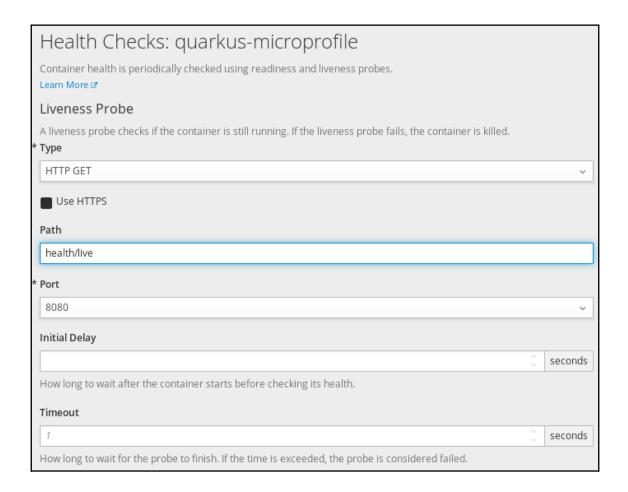


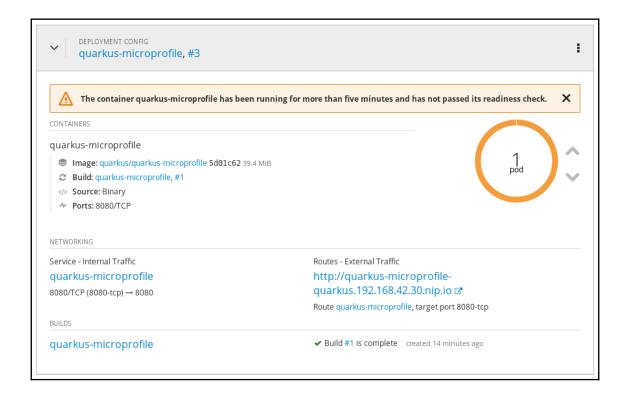


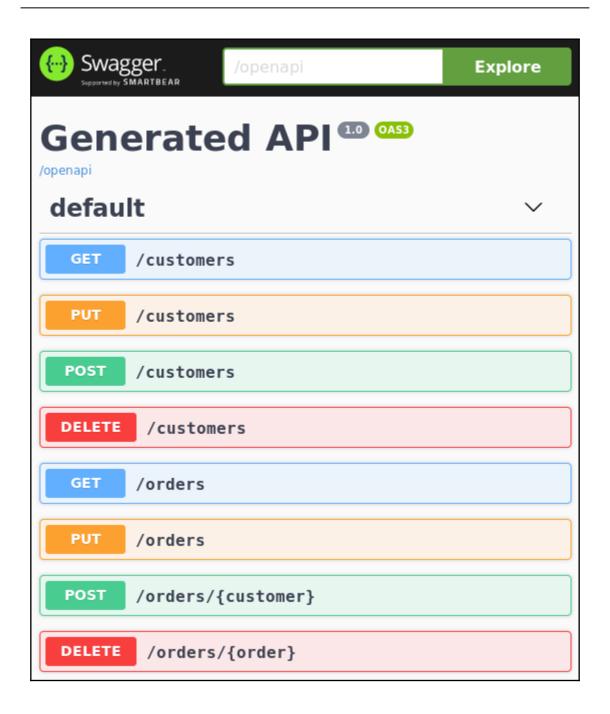


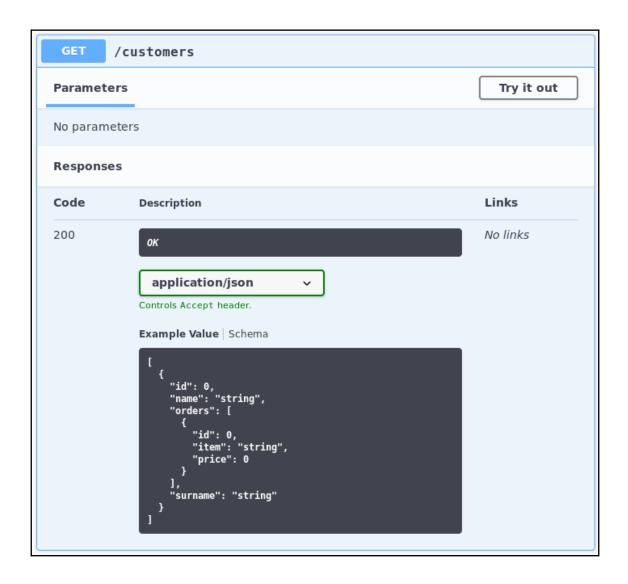


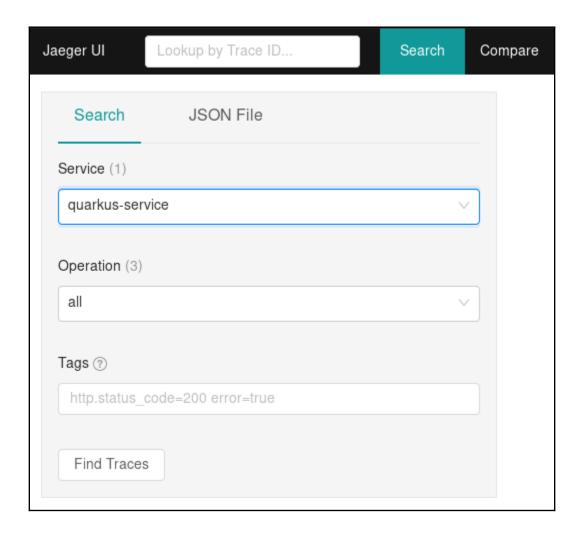


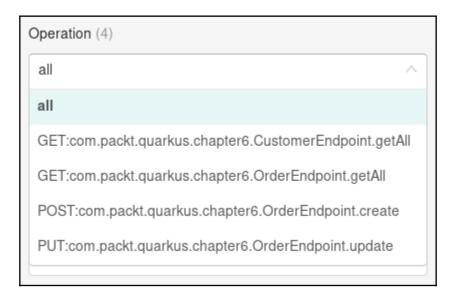


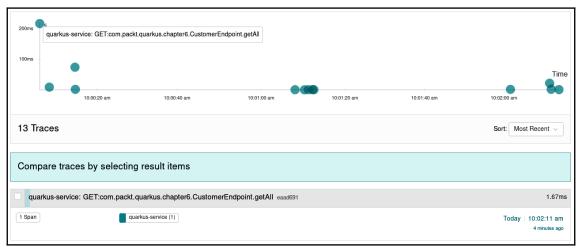


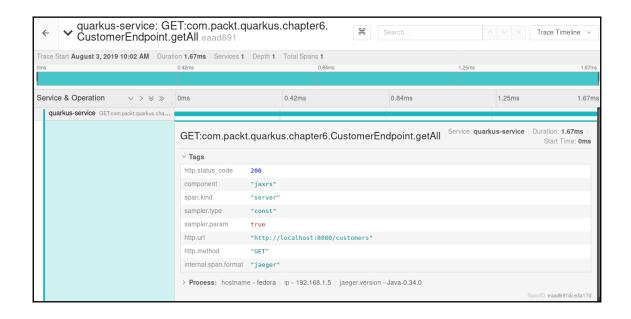




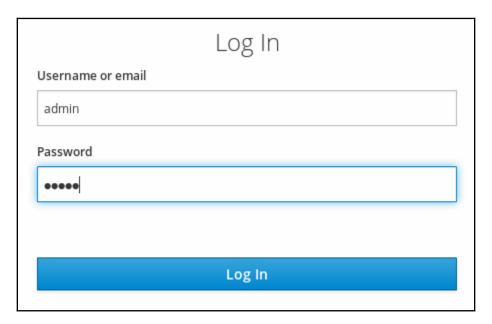


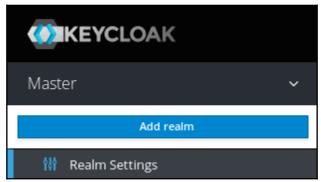


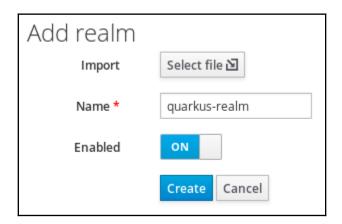


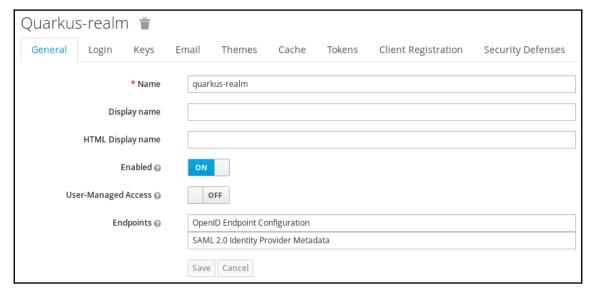


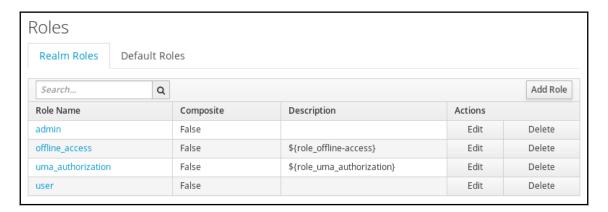
Chapter 7: Securing Applications



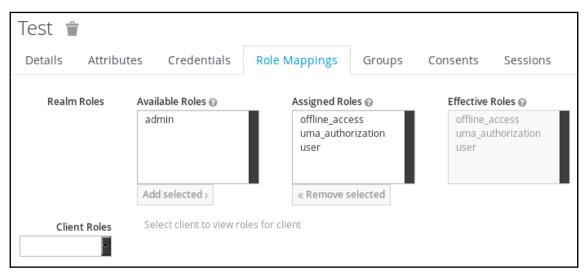


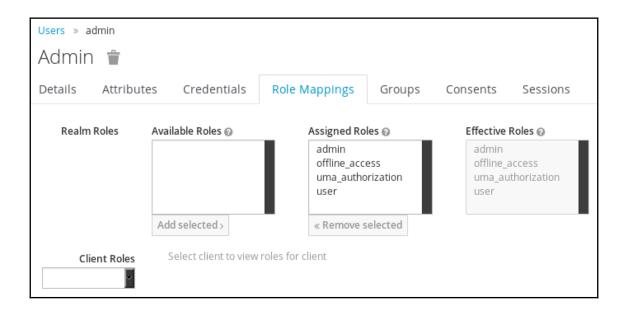




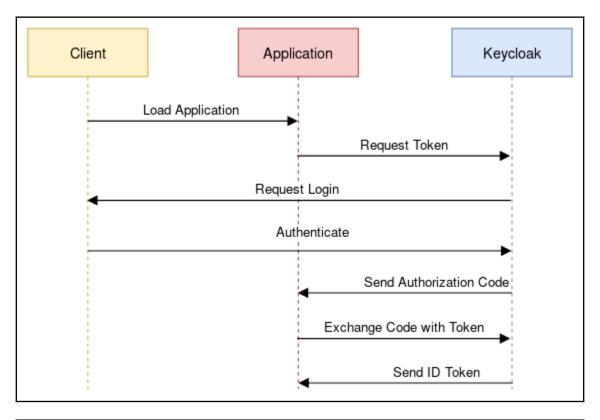


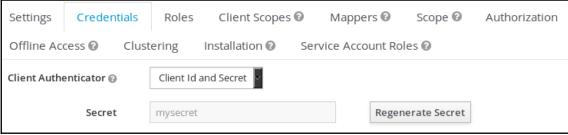












```
HEADER: ALGORITHM & TOKEN TYPE

{
    "alg": "RS256",
    "typ": "JWT",
    "kid": "uio51ZiU0m7_QgRHI4X9jpEqeVCwLp_zFL91T1byNDw"
}
```

```
PAYLOAD: DATA
   "jti": "4b3a73df-df09-43fe-a7ae-61f779b12e35",
   "exp": 1566654148,
   "nbf": 0,
   "iat": 1566653848,
   "iss": "http://localhost:8180/auth/realms/quarkus-
 realm",
   "aud": "account",
   "sub": "a19b2afc-e96e-4939-82bf-aa4b589de136",
   "typ": "Bearer",
   "azp": "quarkus-client",
   "auth_time": 0,
   "session_state": "5984834c-7b6b-49a0-a84e-
 ec711f9cf08a",
   "acr": "1",
   "allowed-origins": [
     "http://localhost:8080"
   "realm_access": {
     "roles": [
       "offline_access",
       "uma_authorization",
       "user"
   "resource_access": {
     "account": {
       "roles": [
         "manage-account",
         "manage-account-links",
         "view-profile"
     }
   "scope": "email profile",
   "email_verified": false,
   "name": "Mark Twain",
   "groups": [
     "offline_access",
     "uma_authorization",
    "preferred_username": "test",
   "given_name": "Mark",
   "family_name": "Twain",
   "email": "tester@localhost"
```

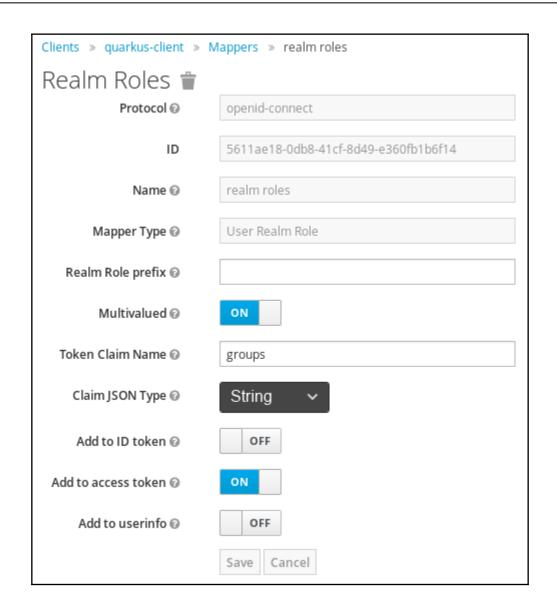
```
VERIFY SKGNATURE

RSASHA256(
base64UrlEncode(header) + "." +
base64UrlEncode(payload),

Public Key or Certificate. En
ter it in plain text only if
you want to verify a token

Private Key. Enter it in plai
n text only if you want to ge
nerate a new token. The key n
ever leaves your browser.

)
```

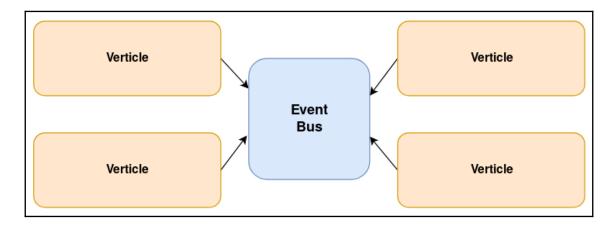


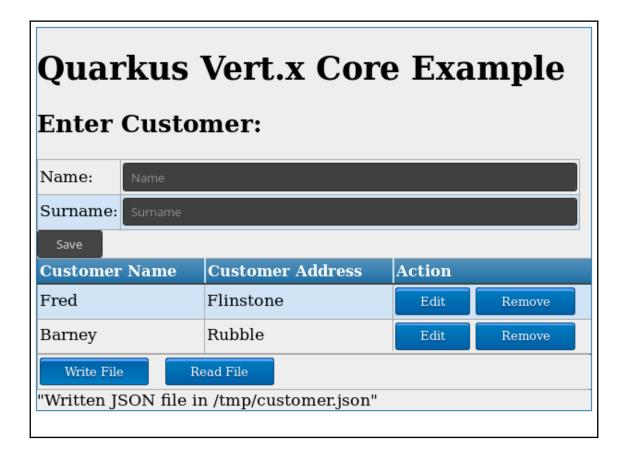


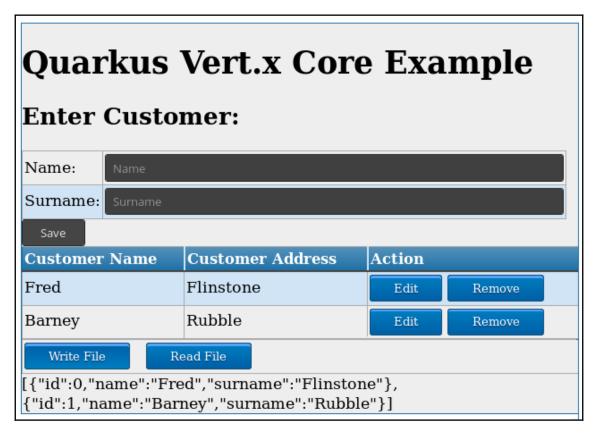
Chapter 8: Advanced Application Development

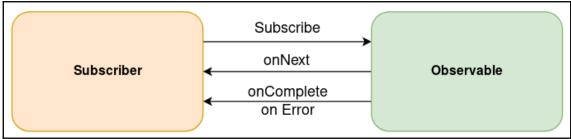
No images.

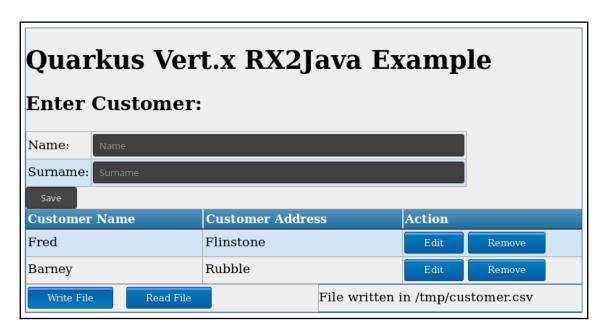
Chapter 9: Unifying Imperative and Reactive with Vert.x

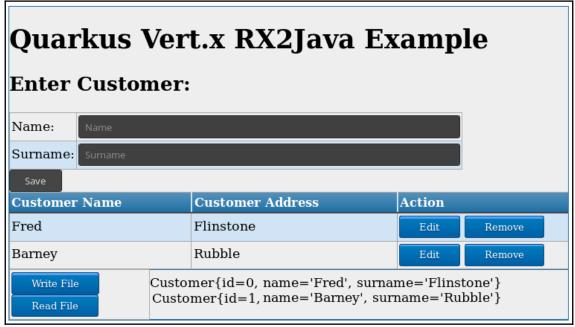




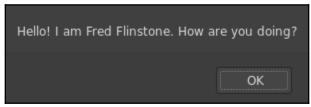


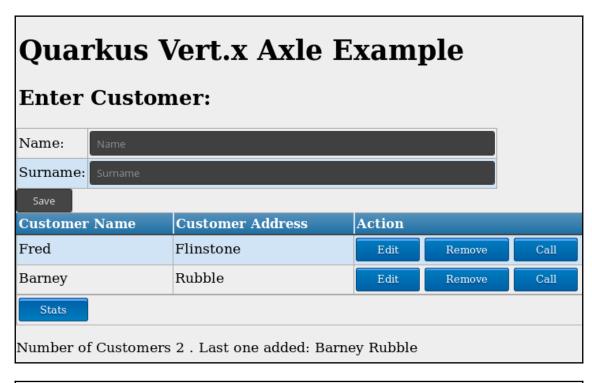


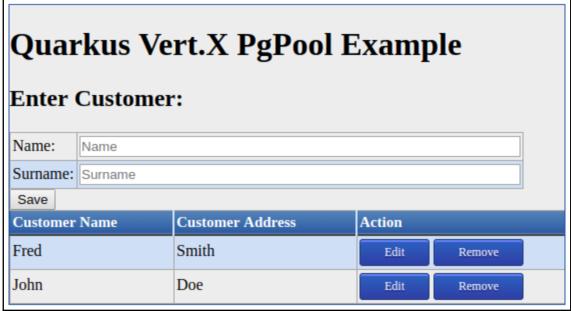




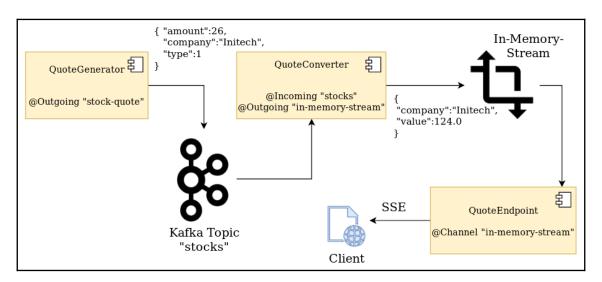






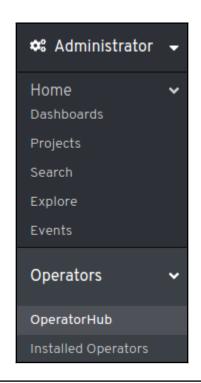


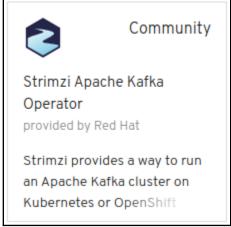
Chapter 10: Reactive Messaging with Quarkus

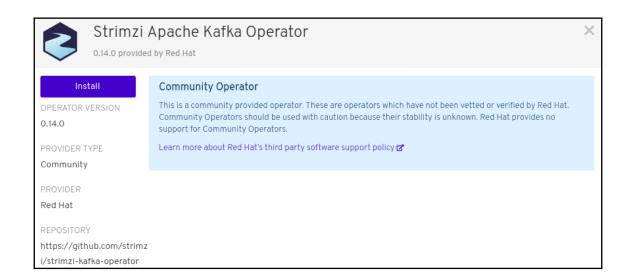


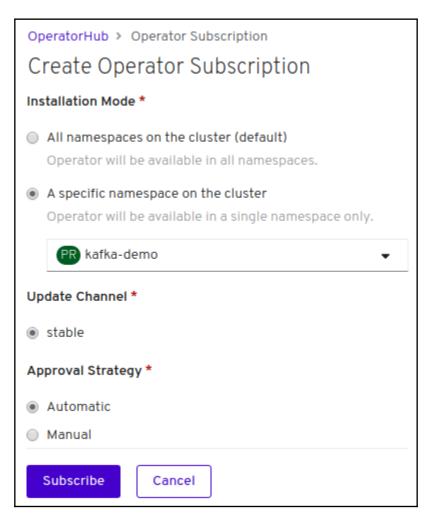
Quarkus Demo - Kafka messaging Stock Quotes

Company	Stock Quote
Acme	85
Globex	116
Umbrella	67
Soylent	62
Initech	59







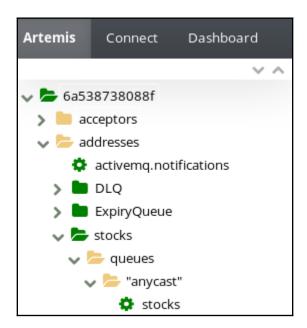






← → C ③ Not secure quarkus-kafka-kafka-demo.apps.fmarchio-qe.qe.rh-ocs.com		
Quarkus Demo - Kafka messaging		
Stock Quotes		
Company	Stock Quote	
Acme	134	
Globex	47	
Umbrella	71	
Soylent	124	
Initech	54	

Quarkus Demo - AMQP messagingStock QuotesCompanyStock QuoteAcme52Globex134Umbrella132Soylent51Initech119







Quarkus Demo - AMQP messaging

Stock Quotes

Company	Stock Quote
Acme	130
Globex	85
Umbrella	144
Soylent	99
Initech	146