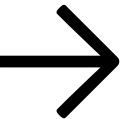
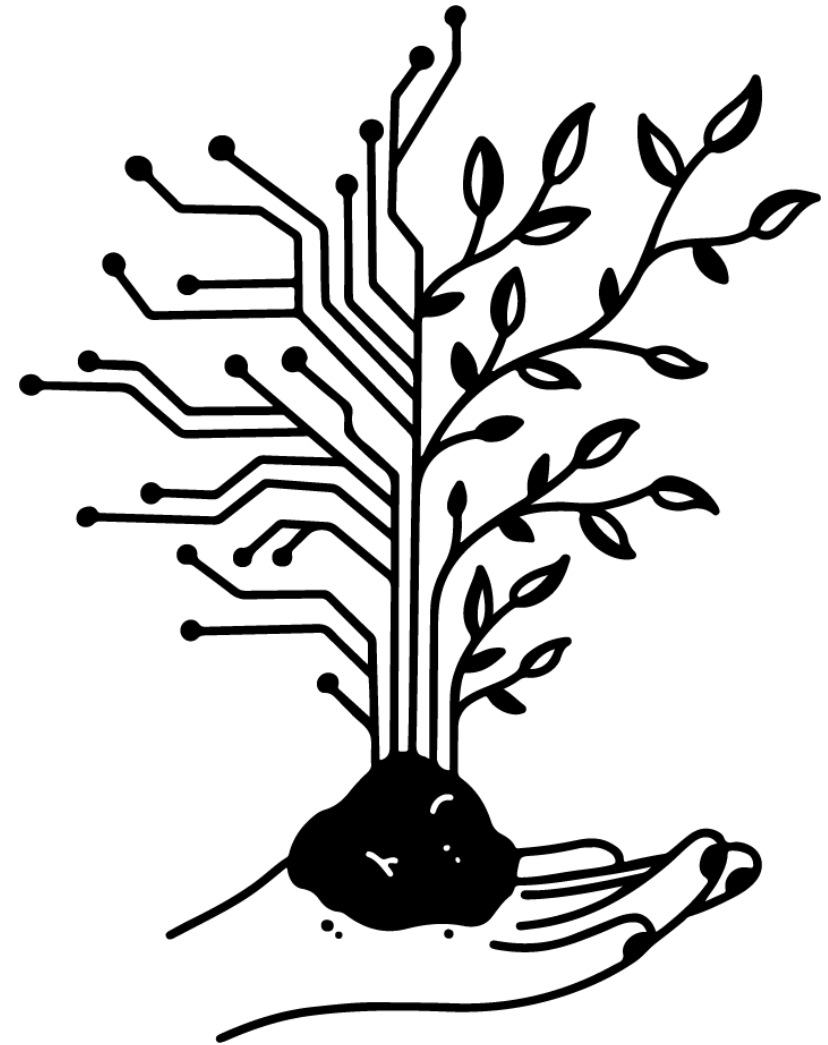


CodeBuzz 2025

# Follow-Along Guide

05.06.2025

Steffen Börner



# stockprice-monitor > StockPriceMonitorApplication



1

StockPriceMonitor  
starten

```
1  @SpringBootApplication
2  @EnableScheduling
3  public class StockpriceMonitorApplication {
4
5      public static void main(String[] args) {
6          SpringApplication.run(StockpriceMonitorApplication.class, args);
7      }
8
9
10
11 }
```



2

TradingPlatform starten

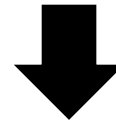
```
1 @SpringBootApplication
2 // @EnableRetry
3 public class TradingPlatformApplication {
4
5     public static void main(String[] args) {
6         SpringApplication.run(TradingPlatformApplication.class, args);
7     }
8
9 }
```



3

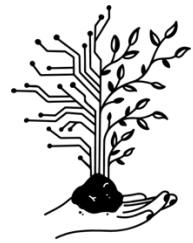


```
1 record StockPriceUpdateEvent(String symbol, double priceInCents) {  
2  
3 }  
4  
5 // record StockPriceUpdateEvent(String symbol, double priceInCents, String name) {  
6  
7 // }
```



```
1 // record StockPriceUpdateEvent(String symbol, double priceInCents) {  
2  
3 // }  
4  
5 record StockPriceUpdateEvent(String symbol, double priceInCents, String name) {  
6  
7 }
```

## stockprice-monitor > StockPriceMonitor



```

39 @Scheduled(fixedRate = 5000)
40 void monitorStockPrice() throws UnknownHostException, JsonProcessingException, NumberFormatException {
41     String stockPrice = restTemplate.getForObject(url, String.class);
42     LOG.info("Stock price received: " + stockPrice);
43
44     StockPriceUpdateEvent event = new StockPriceUpdateEvent("A0DJ5J",
45         Double.parseDouble(stockPrice));
46     rabbitTemplate.convertAndSend("stockPriceUpdate", "",
47         event);
48     LOG.info("Event published: {}", event);

```



```

39 @Scheduled(fixedRate = 5000)
40 void monitorStockPrice() throws UnknownHostException, JsonProcessingException, NumberFormatException {
41     String stockPrice = restTemplate.getForObject(url, String.class);
42     LOG.info("Stock price received: " + stockPrice);
43
44     StockPriceUpdateEvent event = new StockPriceUpdateEvent("A0DJ5J",
45         Double.parseDouble(stockPrice), "Some stock");
46     rabbitTemplate.convertAndSend("stockPriceUpdate", "",
47         event);
48     LOG.info("Event published: {}", event);

```



5

```
39 // @Bean
40 // FanoutExchange fanoutV2() {
41 //     return new FanoutExchange("stockPriceUpdateV2");
42 // }
```

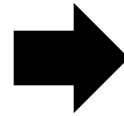


```
39 @Bean
40 FanoutExchange fanoutV2() {
41     return new FanoutExchange("stockPriceUpdateV2");
42 }
```



6

```
44 StockPriceUpdateEvent event = new StockPriceUpdateEvent("A0DJ5J",
45     Double.parseDouble(stockPrice), "Some stock");
46 rabbitTemplate.convertAndSend("stockPriceUpdate", "",
47     event);
48 LOG.info("Event published: {}", event);
49
50 // StockPriceUpdateEventV2 eventV2 = new StockPriceUpdateEventV2(new
51 // Symbol(UUID.randomUUID().toString(), "A0DJ5J"),
52 // Double.parseDouble(stockPrice), "Some stock");
53 // rabbitTemplate.convertAndSend("stockPriceUpdateV2", "",
54 // eventV2);
55 // LOG.info("Event V2 published: {}", eventV2);
```

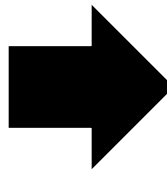


```
44 StockPriceUpdateEvent event = new StockPriceUpdateEvent("A0DJ5J",
45     Double.parseDouble(stockPrice), "Some stock");
46 rabbitTemplate.convertAndSend("stockPriceUpdate", "",
47     event);
48 LOG.info("Event published: {}", event);
49
50 StockPriceUpdateEventV2 eventV2 = new StockPriceUpdateEventV2(
51     new Symbol(UUID.randomUUID().toString(), "A0DJ5J"),
52     Double.parseDouble(stockPrice), "Some stock");
53 rabbitTemplate.convertAndSend("stockPriceUpdateV2", "",
54     eventV2);
55 LOG.info("Event V2 published: {}", eventV2);
```



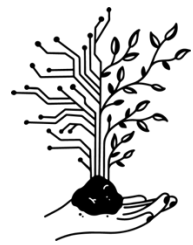
7

```
19 @Bean
20 public FanoutExchange fanoutExchange() {
21     return new FanoutExchange("stockPriceUpdate");
22 }
23
24 @Bean
25 public Queue stockPriceQueue() {
26     return new Queue("tradingPlattformStockPriceUpdate", false);
27 }
28
29 // @Bean
30 // public FanoutExchange fanoutExchange() {
31 //     return new FanoutExchange("stockPriceUpdateV2");
32 // }
33
34 // @Bean
35 // public Queue stockPriceQueue() {
36 //     return new Queue("tradingPlattformStockPriceUpdateV2", false);
37 // }
38
```



```
19 // @Bean
20 // public FanoutExchange fanoutExchange() {
21 //     return new FanoutExchange("stockPriceUpdate");
22 // }
23
24 // @Bean
25 // public Queue stockPriceQueue() {
26 //     return new Queue("tradingPlattformStockPriceUpdate", false);
27 // }
28
29 @Bean
30 public FanoutExchange fanoutExchange() {
31     return new FanoutExchange("stockPriceUpdateV2");
32 }
33
34 @Bean
35 public Queue stockPriceQueue() {
36     return new Queue("tradingPlattformStockPriceUpdateV2", false);
37 }
```





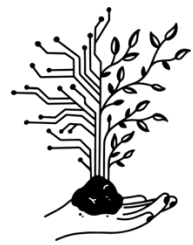
8

```
16 @RabbitListener(queues = "tradingPlattformStockPriceUpdate")
17 public void handleStockPriceUpdate(StockPriceUpdateEvent message) {
18     // Process the stock price update message
19     LOG.info("Received stock price update: {}", message);
20 }
21
22 // @RabbitListener(queues = "tradingPlattformStockPriceUpdateV2")
23 // public void handleStockPriceUpdate(StockPriceUpdateEventV2 message) {
24 //     LOG.info("Received stock price update v2: {}", message);
25 // }
```

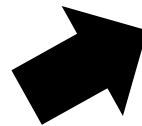


```
16 // @RabbitListener(queues = "tradingPlattformStockPriceUpdate")
17 // public void handleStockPriceUpdate(StockPriceUpdateEvent message) {
18 //     // Process the stock price update message
19 //     LOG.info("Received stock price update: {}", message);
20 // }
21
22 @RabbitListener(queues = "tradingPlattformStockPriceUpdateV2")
23 public void handleStockPriceUpdate(StockPriceUpdateEventV2 message) {
24     LOG.info("Received stock price update v2: {}", message);
25 }
```

# stockprice-monitor > RabbitMQConfig



9



```

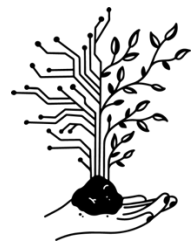
32 // @Bean
33 // RabbitTemplate rabbitTemplate(final CachingConnectionFactory connectionFactory) {
34 //     RabbitTemplate rabbitTemplate = new RabbitTemplate(connectionFactory);
35 //     rabbitTemplate.setMessageConverter(messageConverter());
36 //     return rabbitTemplate;
37 // }
38
39 @Bean
40 FanoutExchange fanoutV2() {
41     return new FanoutExchange("stockPriceUpdateV2");
42 }
43
44 // @Bean
45 // RabbitTemplate rabbitTemplate(final CachingConnectionFactory connectionFactory) {
46 //     // RabbitTemplate rabbitTemplate = new RabbitTemplate(connectionFactory);
47 //     // rabbitTemplate.setMessageConverter(messageConverter());
48 //     // connectionFactory.setPublisherConfirmType(ConfirmType.CORRELATED);
49 //     // rabbitTemplate.setConfirmCallback((correlationData, ack, cause) -> {
50 //     //     if (ack) {
51 //         System.out.println("Message published successfully: " + (correlationData != null ? correlationData.getId() : "null"));
52 //     } else {
53 //         System.err.println("Message publish failed: " + (correlationData != null ? correlationData.getId() : "null") + ", cause: " + cause);
54 //     }
55 //     });
56 //     return rabbitTemplate;
57 // }

```

```

32 // @Bean
33 // RabbitTemplate rabbitTemplate(final CachingConnectionFactory connectionFactory) {
34 //     RabbitTemplate rabbitTemplate = new RabbitTemplate(connectionFactory);
35 //     rabbitTemplate.setMessageConverter(messageConverter());
36 //     return rabbitTemplate;
37 // }
38
39 @Bean
40 FanoutExchange fanoutV2() {
41     return new FanoutExchange("stockPriceUpdateV2");
42 }
43
44 @Bean
45 RabbitTemplate rabbitTemplate(final CachingConnectionFactory connectionFactory) {
46     RabbitTemplate rabbitTemplate = new RabbitTemplate(connectionFactory);
47     rabbitTemplate.setMessageConverter(messageConverter());
48     connectionFactory.setPublisherConfirmType(ConfirmType.CORRELATED);
49     rabbitTemplate.setConfirmCallback((correlationData, ack, cause) -> {
50         if (ack) {
51             System.out.println("Message published successfully: " + (correlationData != null ? correlationData.getId() : "null"));
52         } else {
53             System.err.println("Message publish failed: " + (correlationData != null ? correlationData.getId() : "null") + ", cause: " + cause);
54         }
55     });
56     return rabbitTemplate;
57 }

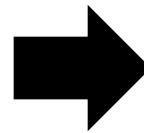
```



10

```

50 StockPriceUpdateEventV2 eventV2 = new StockPriceUpdateEventV2(
51     new Symbol(UUID.randomUUID().toString(), "A0DJ5J"),
52     Double.parseDouble(stockPrice), "Some stock");
53 rabbitTemplate.convertAndSend("stockPriceUpdateV2", "",
54     eventV2);
55 LOG.info("Event V2 published: {}", eventV2);
56
57 // StockPriceUpdateEventV2 eventV2 = new StockPriceUpdateEventV2(
58 // new Symbol(UUID.randomUUID().toString(), "A0DJ5J"),
59 // Double.parseDouble(stockPrice), "Some stock");
60 // CorrelationData correlationData = new CorrelationData(eventV2.toString());
61
62 // rabbitTemplate.convertAndSend(
63 // "stockPriceUpdateV2",
64 // "",
65 // eventV2, correlationData);
    
```



```

50 // StockPriceUpdateEventV2 eventV2 = new StockPriceUpdateEventV2(
51 // new Symbol(UUID.randomUUID().toString(), "A0DJ5J"),
52 // Double.parseDouble(stockPrice), "Some stock");
53 // rabbitTemplate.convertAndSend("stockPriceUpdateV2", "",
54 // eventV2);
55 // LOG.info("Event V2 published: {}", eventV2);
56
57 StockPriceUpdateEventV2 eventV2 = new StockPriceUpdateEventV2(
58     new Symbol(UUID.randomUUID().toString(), "A0DJ5J"),
59     Double.parseDouble(stockPrice), "Some stock");
60 CorrelationData correlationData = new CorrelationData(eventV2.toString());
61
62 rabbitTemplate.convertAndSend(
63     "stockPriceUpdateV2",
64     "",
65     eventV2, correlationData);
    
```



11

```
57 StockPriceUpdateEventV2 eventV2 = new StockPriceUpdateEventV2(  
58     new Symbol(UUID.randomUUID().toString(), "A0DJ5J"),  
59     Double.parseDouble(stockPrice), "Some stock");  
60 CorrelationData correlationData = new CorrelationData(eventV2.toString());  
61  
62 rabbitTemplate.convertAndSend(  
63     "stockPriceUpdateV2",  
64     "",  
65     eventV2, correlationData);
```



```
57 StockPriceUpdateEventV2 eventV2 = new StockPriceUpdateEventV2(  
58     new Symbol(UUID.randomUUID().toString(), "A0DJ5J"),  
59     Double.parseDouble(stockPrice), "Some stock");  
60 CorrelationData correlationData = new CorrelationData(eventV2.toString());  
61  
62 rabbitTemplate.convertAndSend(  
63     "ABC_NON_EXISTING",  
64     "",  
65     eventV2, correlationData);
```



12

```

57 StockPriceUpdateEventV2 eventV2 = new StockPriceUpdateEventV2(
58     new Symbol(UUID.randomUUID().toString(), "A0DJ5J"),
59     Double.parseDouble(stockPrice), "Some stock");
60 CorrelationData correlationData = new CorrelationData(eventV2.toString());
61
62 rabbitTemplate.convertAndSend(
63     "ABC_NON_EXISTING",
64     "",
65     eventV2, correlationData);

```



```

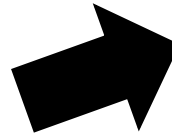
57 StockPriceUpdateEventV2 eventV2 = new StockPriceUpdateEventV2(
58     new Symbol(UUID.randomUUID().toString(), "A0DJ5J"),
59     Double.parseDouble(stockPrice), "Some stock");
60 CorrelationData correlationData = new CorrelationData(eventV2.toString());
61
62 rabbitTemplate.convertAndSend(
63     "stockPriceUpdateV2",
64     "",
65     eventV2, correlationData);

```



13

```
22 @RabbitListener(queues = "tradingPlatformStockPriceUpdateV2")
23 public void handleStockPriceUpdate(StockPriceUpdateEventV2 message) {
24     LOG.info("Received stock price update v2: {}", message);
25 }
26
27 // @RabbitListener(queues = "tradingPlatformStockPriceUpdateV2")
28 // @Retryable(maxAttempts = 3, backoff =
29 // @org.springframework.retry.annotation.Backoff(delay = 4000))
30 // public void handleStockPriceUpdateWithRetry(StockPriceUpdateEventV2 message)
31 // {
32 //     LOG.info("Received stock price update v2: {}", message);
33 //     // Simulate processing logic that might fail
34 //     // For demonstration, we throw an exception to trigger the retry mechanism
35 //     throw new RuntimeException("Simulated error in StockUpdateEventListener");
36 // }
```



```
22 // @RabbitListener(queues = "tradingPlatformStockPriceUpdateV2")
23 // public void handleStockPriceUpdate(StockPriceUpdateEventV2 message) {
24 //     LOG.info("Received stock price update v2: {}", message);
25 // }
26
27 @RabbitListener(queues = "tradingPlatformStockPriceUpdateV2")
28 public void handleStockPriceUpdateWithRetry(StockPriceUpdateEventV2 message) {
29     LOG.info("Received stock price update v2: {}", message);
30     // Simulate processing logic that might fail
31     // For demonstration, we throw an exception to trigger the retry mechanism
32     throw new RuntimeException("Simulated error in StockUpdateEventListener");
33 }
```

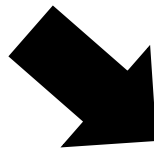


14

```

22 // @RabbitListener(queues = "tradingPlattformStockPriceUpdateV2")
23 // public void handleStockPriceUpdate(StockPriceUpdateEventV2 message) {
24 // LOG.info("Received stock price update v2: {}", message);
25 // }
26
27 @RabbitListener(queues = "tradingPlattformStockPriceUpdateV2")
28 public void handleStockPriceUpdateWithRetry(StockPriceUpdateEventV2 message) {
29     LOG.info("Received stock price update v2: {}", message);
30     // Simulate processing logic that might fail
31     // For demonstration, we throw an exception to trigger the retry mechanism
32     throw new RuntimeException("Simulated error in StockUpdateEventListener");
33 }

```



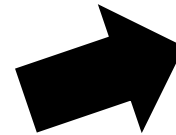
```

27 @RabbitListener(queues = "tradingPlattformStockPriceUpdateV2")
28 public void handleStockPriceUpdateWithRetry(StockPriceUpdateEventV2 message) {
29     LOG.info("Received stock price update v2: {}", message);
30     // Simulate processing logic that might fail
31     // For demonstration, we throw an exception to trigger the retry mechanism
32     throw new AmqpRejectAndDontRequeueException("Simulated error in StockUpdateEventListener");
33 }

```



15



```
7 @SpringBootApplication
8 // @EnableRetry
9 public class TradingPlatformApplication {
10
11     public static void main(String[] args) {
12         SpringApplication.run(TradingPlatformApplication.class, args);
13     }
14
15 }
```

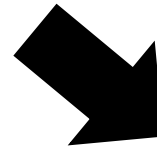
```
7 @SpringBootApplication
8 @EnableRetry
9 public class TradingPlatformApplication {
10
11     public static void main(String[] args) {
12         SpringApplication.run(TradingPlatformApplication.class, args);
13     }
14
15 }
```





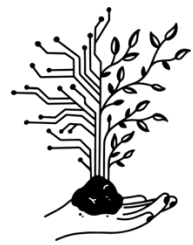
16

```
27 @RabbitListener(queues = "tradingPlatformStockPriceUpdateV2")
28 public void handleStockPriceUpdateWithRetry(StockPriceUpdateEventV2 message) {
29     LOG.info("Received stock price update v2: {}", message);
30     // Simulate processing logic that might fail
31     // For demonstration, we throw an exception to trigger the retry mechanism
32     throw new AmqpRejectAndDontRequeueException("Simulated error in StockUpdateEventListener");
33 }
34
35 // @RabbitListener(queues = "tradingPlatformStockPriceUpdateV2")
36 // @Retryable(maxAttempts = 3, backoff =
37 // @org.springframework.retry.annotation.Backoff(delay = 4000))
38 // public void handleStockPriceUpdateWithRetry(StockPriceUpdateEventV2 message)
39 // {
40 //     LOG.info("Received stock price update v2: {}", message);
41 //     // Simulate processing logic that might fail
42 //     // For demonstration, we throw an exception to trigger the retry mechanism
43 //     throw new RuntimeException("Simulated error in StockUpdateEventListener");
44 // }
```



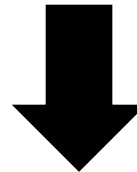
```
27 // @RabbitListener(queues = "tradingPlatformStockPriceUpdateV2")
28 // public void handleStockPriceUpdateWithRetry(StockPriceUpdateEventV2 message) {
29 //     LOG.info("Received stock price update v2: {}", message);
30 //     // Simulate processing logic that might fail
31 //     // For demonstration, we throw an exception to trigger the retry mechanism
32 //     throw new AmqpRejectAndDontRequeueException("Simulated error in StockUpdateEventListener");
33 // }
34
35 @RabbitListener(queues = "tradingPlatformStockPriceUpdateV2")
36 @Retryable(maxAttempts = 3, backoff = @org.springframework.retry.annotation.Backoff(delay = 4000))
37 public void handleStockPriceUpdateWithRetry(StockPriceUpdateEventV2 message) {
38     LOG.info("Received stock price update v2: {}", message);
39     // Simulate processing logic that might fail
40     // For demonstration, we throw an exception to trigger the retry mechanism
41     throw new RuntimeException("Simulated error in StockUpdateEventListener");
42 }
```

## trading-platform > StockUpdateEventListener

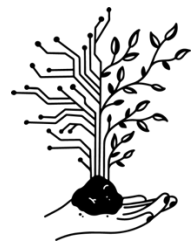


17

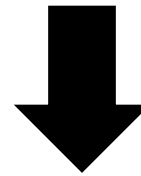
```
36 // @Recover
37 // public void recover(RuntimeException e, StockPriceUpdateEventV2 message) {
38 // LOG.error("Failed to process stock price update after retries: {}", message,
39 // e);
40 // // default: ack
41 // // with the following, the message will not be queued:
42 // throw new AmqpRejectAndDontRequeueException("Failed to process stock price
43 // update", e);
44 // }
```



```
36 @Recover
37 public void recover(RuntimeException e, StockPriceUpdateEventV2 message) {
38     LOG.error("Failed to process stock price update after retries: {}", message,
39         e);
40     throw new AmqpRejectAndDontRequeueException("Failed to process stock price update", e);
41 }
```



STRG+C



```
5] at org.springframework.amqp.rabbit.listener.SimpleMessageListenerContainer.doReceiveAndExecute(SimpleMessageListenerContainer.java:1085) ~[spring-rabbit-3.2.5.jar:3.2.5]
5] at org.springframework.amqp.rabbit.listener.SimpleMessageListenerContainer.receiveAndExecute(SimpleMessageListenerContainer.java:1021) ~[spring-rabbit-3.2.5.jar:3.2.5]
   at org.springframework.amqp.rabbit.listener.SimpleMessageListenerContainer$AsyncMessageProcessingConsumer.mainLoop(SimpleMessageListenerContainer.java:1423) ~[spring-rabbit-3.2.5.jar:3.2.5]
   at org.springframework.amqp.rabbit.listener.SimpleMessageListenerContainer$AsyncMessageProcessingConsumer.run(SimpleMessageListenerContainer.java:1324) ~[spring-rabbit-3.2.5.jar:3.2.5]
   at java.base/java.lang.Thread.run(Thread.java:1447) ~[na:na]

2025-06-02T06:30:15.171Z WARN 4014 --- [trading-platform] [ntContainer#0-1] o.s.a.r.l.SimpleMessageListenerContainer : Rejecting received message(s) because the listener container has been stopped: (Body:'[B@63ca41ad(byte[125])' MessageProperties [headers={spring_returned_message_correlation=StockPriceUpdateEventV2[symbol=Symbol[id=32496366-0a15-49d1-a42d-ae4289daa718, name=A0D15J], priceInCents=903.2784843672245, name=Some stock], __TypeId__=com.exxeta.codebuzz.stockpricemonitor.StockPriceUpdateEventV2}, contentType=application/json, contentEncoding=UTF-8, contentLength=0, receivedDeliveryMode=PERSISTENT, priority=0, redelivered=true, receivedExchange=stockPriceUpdateV2, receivedRoutingKey=, deliveryTag=3, consumerTag=amq.ctag-1QXwno7y6LKJajWJRdBNhQ, consumerQueue=tradingPlatformStockPriceUpdateV2])
2025-06-02T06:30:15.172Z INFO 4014 --- [trading-platform] [ntContainer#0-2] o.s.a.r.l.SimpleMessageListenerContainer : Successfully waited for workers to finish.
2025-06-02T06:30:15.175Z INFO 4014 --- [trading-platform] [ionShutdownHook] o.s.b.w.e.tomcat.GracefulShutdown : Commencing graceful shutdown. Waiting for active requests to complete
2025-06-02T06:30:15.177Z INFO 4014 --- [trading-platform] [tomcat-shutdown] o.s.b.w.e.tomcat.GracefulShutdown : Graceful shutdown complete
vscode → /workspaces/eventdriven-spring (main) $
```

## Rabbitmq (15672) &gt; RabbitMQ Management UI



19

```
40 // // Simulate processing logic that might fail
41 // // For demonstration, we throw an exception to trigger the retry mechanism
42 // throw new RuntimeException("Simulated error in StockUpdateEventListener");
43 // }
44
45 @Recover
46 public void handleRuntimeException(RuntimeException e) {
47     // Log the error and handle it appropriately
48     logger.error("Simulated error in StockUpdateEventListener: {}", e.getMessage());
49 }
```

Port	Forwarded Address	Running Process	Origin
5672	localhost:5672	./usr/bin/docker-proxy -proto tcp -host-ip 0.0.0.0 -host-port 15672 -container-...	Dev Containers
15672	localhost:15672	./usr/bin/docker-proxy -proto tcp -host-ip 0.0.0.0 -host-port 15672 -container-...	Dev Containers
34027	localhost:34027	Open in Browser	Auto Forwarded
34637	localhost:34637		Auto Forwarded
41893	localhost:41893		Auto Forwarded
43185	localhost:43185		Auto Forwarded
44603	localhost:44603	/home/vscode/.vscode-server/extensions/redhat.java-142.0-linux-arm64/jre/21...	Auto Forwarded
45139	localhost:45139		Auto Forwarded
46463	localhost:46463		Auto Forwarded



**RabbitMQ**™ RabbitMQ 3.13.7 Erlang 26.2.5.12

Overview Connections Channels Exchanges **Queues and Streams** Admin

### Queues

▼ All queues (2)

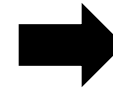
Pagination

Page 1 of 1 - Filter:  ☐ Regex ?

Overview				Messages			Message rates			
Virtual host	Name	Type	Features	State	Ready	Unacked	Total	incoming	deliver / get	ack
/	tradingPlatformStockPriceUpdate	classic		running	193	0	193	0.00/s	0.00/s	0.00/s
/	tradingPlatformStockPriceUpdateV2	classic		running	15	0	15	0.00/s	0.00/s	0.00/s

► Add a new queue

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Overview Connections Channels Exchanges **Queues and Streams** Admin

Properties: ?

Payload:

Payload encoding: String (default) ▼

Publish message

▼ Get messages

Warning: getting messages from a queue is a destructive action. ?

Ack Mode: Nack message requeue true ▼

Encoding: Auto string / base64 ▼ ?

Messages: 1

Get Message(s)

► Move messages

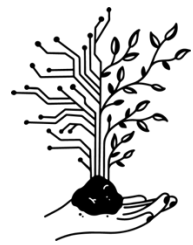
▼ Delete

Delete Queue

▼ Purge

Purge Messages

▼ Runtime Metrics (Advanced)

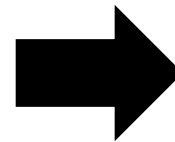


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```

56 // @Bean
57 // public Queue deadLetterQueue() {
58 // return new Queue("tradingPlatformStockPriceUpdateV2.dlx", false);
59 // }
60
61 // @Bean
62 // public Binding deadLetterBinding(Queue deadLetterQueue) {
63 // return BindingBuilder
64 // .bind(deadLetterQueue)
65 // .to(dlx())
66 // .with("");
67 // }
68
69 // @Bean
70 // DirectExchange dlx() {
71 // return new DirectExchange("tradingPlatformStockPriceUpdate.dlx");
72 // }
73
74 // @Bean
75 // public Queue stockPriceQueue() {
76 // return QueueBuilder
77 // .nonDurable("tradingPlatformStockPriceUpdateV2")
78 // .withArgument("x-dead-letter-exchange",
79 // "tradingPlatformStockPriceUpdate.dlx")
80 // .withArgument("x-dead-letter-routing-key", "")
81 // .build();
82 // }

```



```

34 // @Bean
35 // public Queue stockPriceQueue() {
36 // return new Queue("tradingPlatformStockPriceUpdateV2", false);
37 // }

```

```

56 @Bean
57 public Queue deadLetterQueue() {
58     return new Queue("tradingPlatformStockPriceUpdateV2.dlx", false);
59 }
60
61 @Bean
62 public Binding deadLetterBinding(Queue deadLetterQueue) {
63     return BindingBuilder
64         .bind(deadLetterQueue)
65         .to(dlx())
66         .with("");
67 }
68
69 @Bean
70 DirectExchange dlx() {
71     return new DirectExchange("tradingPlatformStockPriceUpdate.dlx");
72 }
73
74 @Bean
75 public Queue stockPriceQueue() {
76     return QueueBuilder
77         .nonDurable("tradingPlatformStockPriceUpdateV2")
78         .withArgument("x-dead-letter-exchange",
79             "tradingPlatformStockPriceUpdate.dlx")
80         .withArgument("x-dead-letter-routing-key", "")
81         .build();
82 }

```

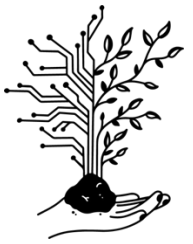


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TradingPlatformApplication  
starten



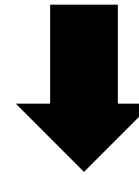
```
7  @SpringBootApplication
8  @EnableRetry
9  public class TradingPlatformApplication {
10
11      public static void main(String[] args) {
12          SpringApplication.run(TradingPlatformApplication.class, args);
13      }
14
15  }
```



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StockPriceMonitor  
beenden

STRG+C



```
Message published successfully: StockPriceUpdateEventV2[symbol=Symbol[id=873b8722-8ef6-459b-8dd9-2351cb361cd0, name=A0DJ5J], priceInCents=734.6355940345718, name=Some stock]
2025-06-02T06:34:49.754Z INFO 5864 --- [stockprice-monitor] [ scheduling-1] c.e.c.s.StockPriceMonitor : Stock price received: 430.41967412221595
2025-06-02T06:34:49.755Z INFO 5864 --- [stockprice-monitor] [ scheduling-1] c.e.c.s.StockPriceMonitor : Event published: StockPriceUpdateEvent[symbol=A0DJ5J, priceInCents=430.419674122215
95, name=Some stock]
Message published successfully: StockPriceUpdateEventV2[symbol=Symbol[id=67c5b85c-ba5f-47da-88cf-a2e920f1d0f7, name=A0DJ5J], priceInCents=430.41967412221595, name=Some stock]
Message published successfully: null
2025-06-02T06:34:54.755Z INFO 5864 --- [stockprice-monitor] [ scheduling-1] c.e.c.s.StockPriceMonitor : Stock price received: 992.5940971285239
2025-06-02T06:34:54.756Z INFO 5864 --- [stockprice-monitor] [ scheduling-1] c.e.c.s.StockPriceMonitor : Event published: StockPriceUpdateEvent[symbol=A0DJ5J, priceInCents=992.594097128523
9, name=Some stock]
Message published successfully: null
Message published successfully: StockPriceUpdateEventV2[symbol=Symbol[id=238f44a4-4f7f-4e8c-b3e6-0b1fe28c0dce, name=A0DJ5J], priceInCents=992.5940971285239, name=Some stock]
2025-06-02T06:34:59.754Z INFO 5864 --- [stockprice-monitor] [ scheduling-1] c.e.c.s.StockPriceMonitor : Stock price received: 849.8983124683871
2025-06-02T06:34:59.755Z INFO 5864 --- [stockprice-monitor] [ scheduling-1] c.e.c.s.StockPriceMonitor : Event published: StockPriceUpdateEvent[symbol=A0DJ5J, priceInCents=849.898312468387
1, name=Some stock]
Message published successfully: null
Message published successfully: StockPriceUpdateEventV2[symbol=Symbol[id=c49f78ff-2f45-4a0a-9738-8713832c5aad, name=A0DJ5J], priceInCents=849.8983124683871, name=Some stock]
^C2025-06-02T06:35:04.643Z INFO 5864 --- [stockprice-monitor] [ionShutdownHook] o.s.b.w.e.tomcat.GracefulShutdown : Commencing graceful shutdown. Waiting for active requests to complete
2025-06-02T06:35:04.645Z INFO 5864 --- [stockprice-monitor] [tomcat-shutdown] o.s.b.w.e.tomcat.GracefulShutdown : Graceful shutdown complete
vscode → /workspaces/eventdriven-spring (main) $
```



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RabbitMQ 15672

Nachrichten  
liegen in der DLQ

Overview Connections Channels Exchanges **Queues and Streams** Admin

## Queues

▼ All queues (3)

Pagination

Page  of 1 - Filter:  ☐ Regex ?

Overview					Messages			Message rates			+/-
Virtual host	Name	Type	Features	State	Ready	Unacked	Total	incoming	deliver / get	ack	
/	tradingPlattformStockPriceUpdate	classic		running	202	0	202	0.00/s	0.00/s	0.00/s	
/	tradingPlattformStockPriceUpdateV2	classic	DLX DLK	running	0	0	0	0.00/s	0.00/s	0.00/s	
/	tradingPlattformStockPriceUpdateV2.dlq	classic		running	9	0	9				

► Add a new queue

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