

Webflux

5 Reactor 이론

Reactive Stream

(specification)

Reactor

Reactive Stream

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Reactive Stream (specification)

Spring Webflux

Reactor

Reactive Stream

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Reactive Streams

Reactive Streams is an initiative to provide a standard for asynchronous stream processing with non-blocking back pressure. This encompasses efforts aimed at runtime environments (JVM and JavaScript) as well as network protocols.

JDK9 java.util.concurrent.Flow

The interfaces available in JDK >= 9 java.util.concurrent.Flow, are 1:1 semantically equivalent to their respective Reactive Streams counterparts. This means that there will be a migratory period, while libraries move to adopt the new types in the JDK, however this period is expected to be short - due to the full semantic equivalence of the libraries, as well as the Reactive Streams <-> Flow adapter library as well as a TCK compatible directly with the JDK Flow types.

Read this if you are interested in learning more about Reactive Streams for the JVM.

The Problem

Handling streams of data—especially "live" data whose volume is not predetermined—requires special care in an asynchronous system. The most

https://www.reactive-streams.org/

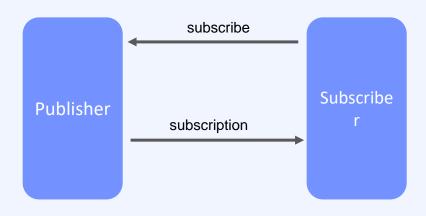
Reactor

구성요소

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1. stream

- a. publisher
- b. subscriber
- c. subscription
- d. processor
- 2. asynchronous
- 3. back pressure

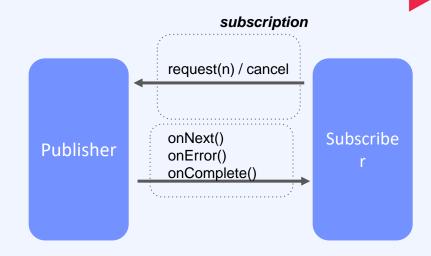


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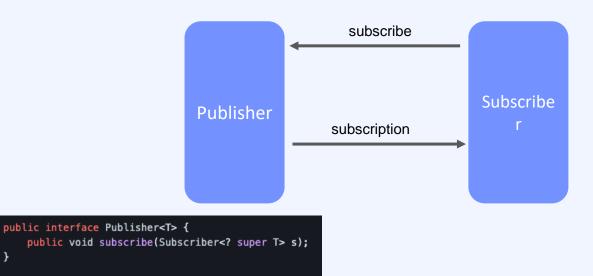
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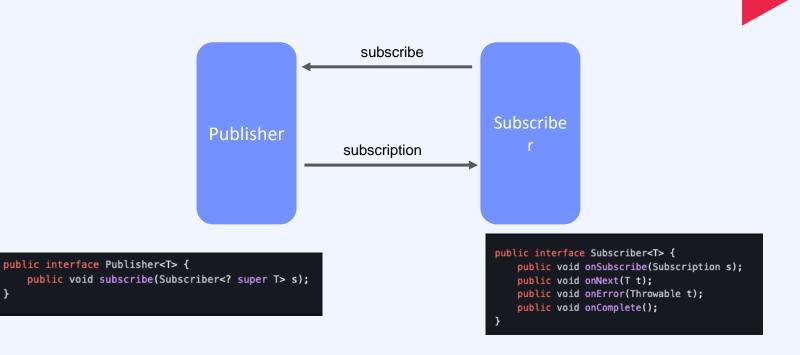
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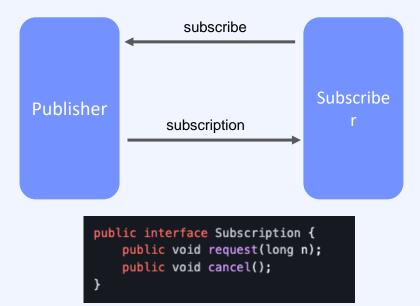


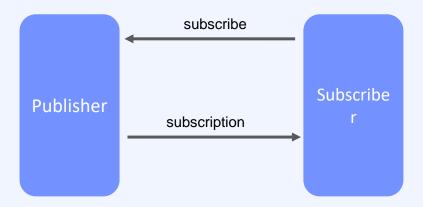
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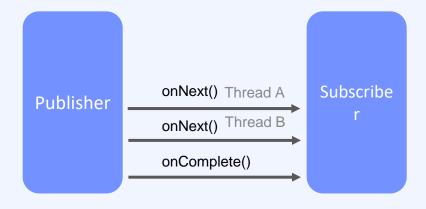
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public interface Processor<T, R> extends Subscriber<T>, Publisher<R> {
}

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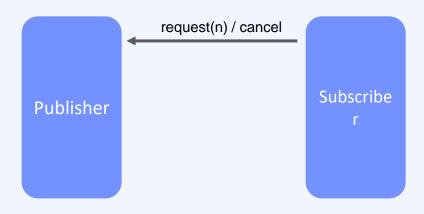


주요 특징

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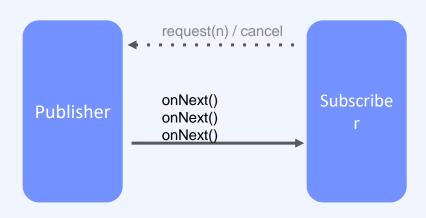
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Project reactor



- 1. Reactive Stream
 - a. Asynchronous Stream processing
 - b. Nonblocking backpressure
- 2. Publisher, Subscriber, Subscription, Processor
- 3. Reactor