Concurrency and Observable Transformations



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Controlling Concurrency



Schedulers
subscribeOn
observeOn



Schedulers











New Thread





Controlling Concurrency

Observable.subscribeOn

- Determines the Scheduler that is used to drive the emission of events.
- Highest in call chain wins

Observable.observeOn

- Determines what Scheduler processes the emissions of an Observable.
 - Position dependent





subscribeOn observeOn



Transformation Operations



zip

map

flatMap

collect

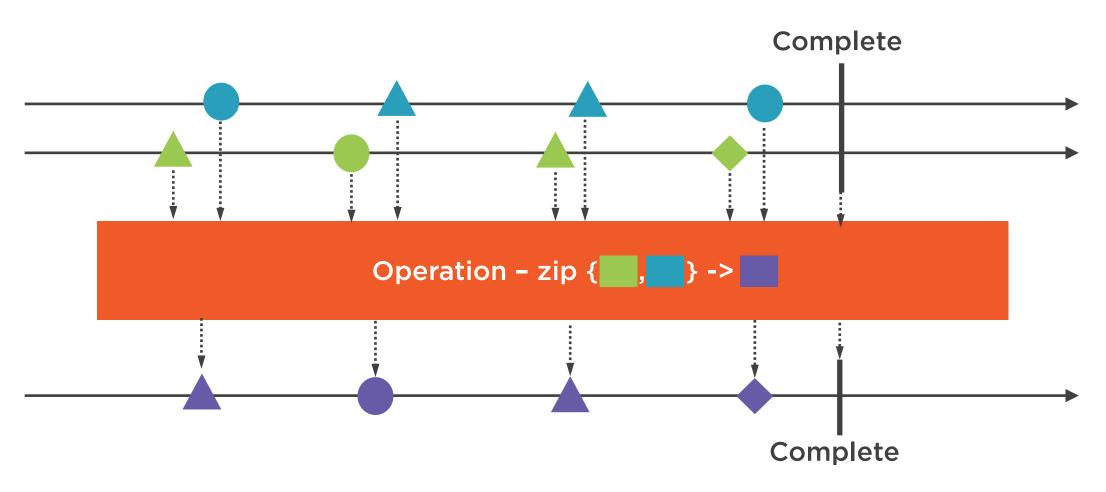
scan

groupBy

buffer

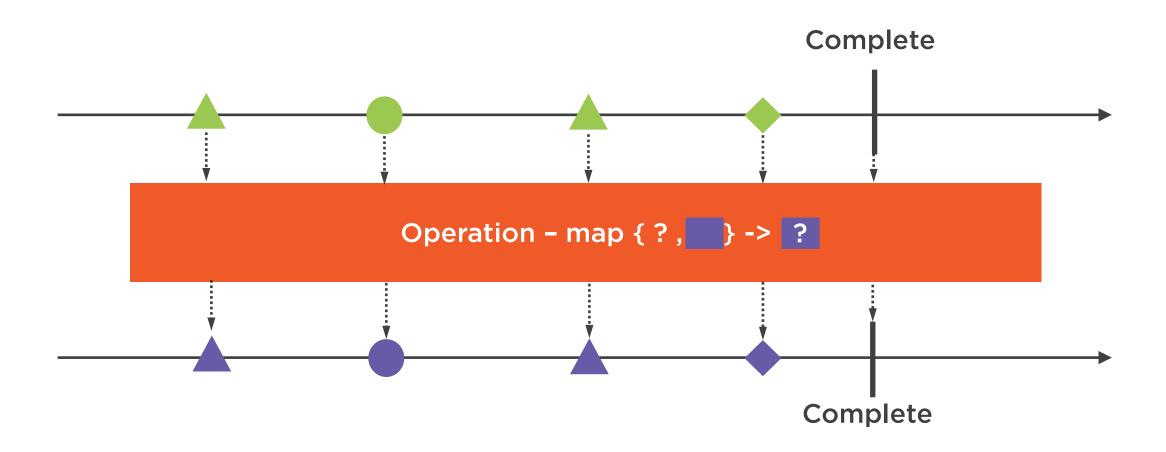


Zip Operator



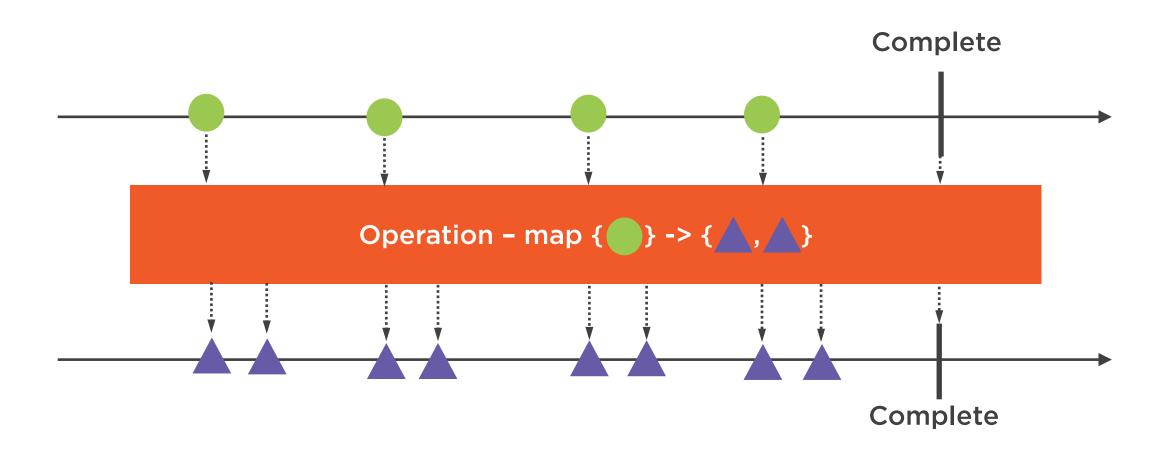


Map Operator





FlatMap Operator







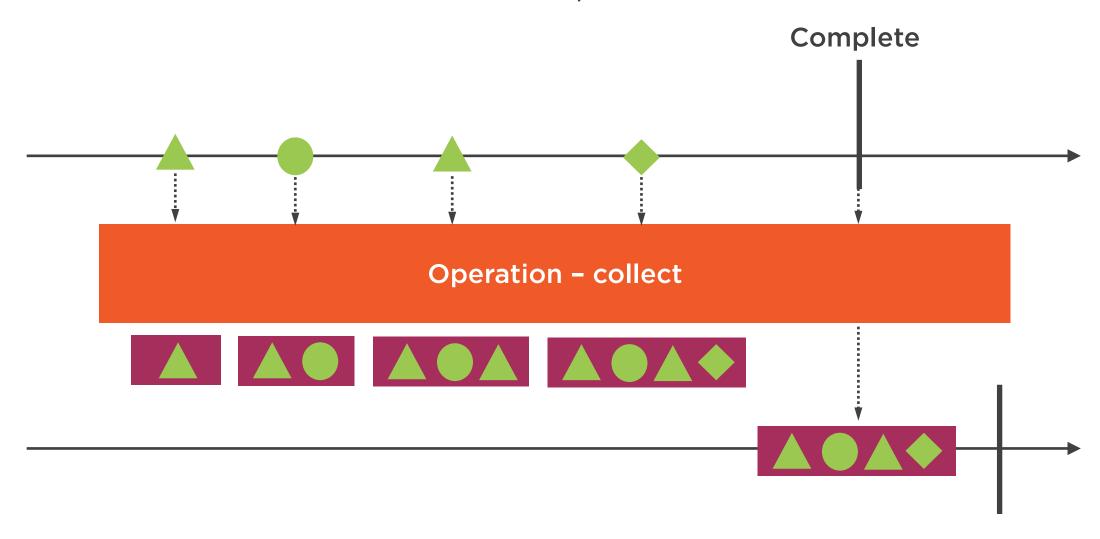
zip

map

flatMap

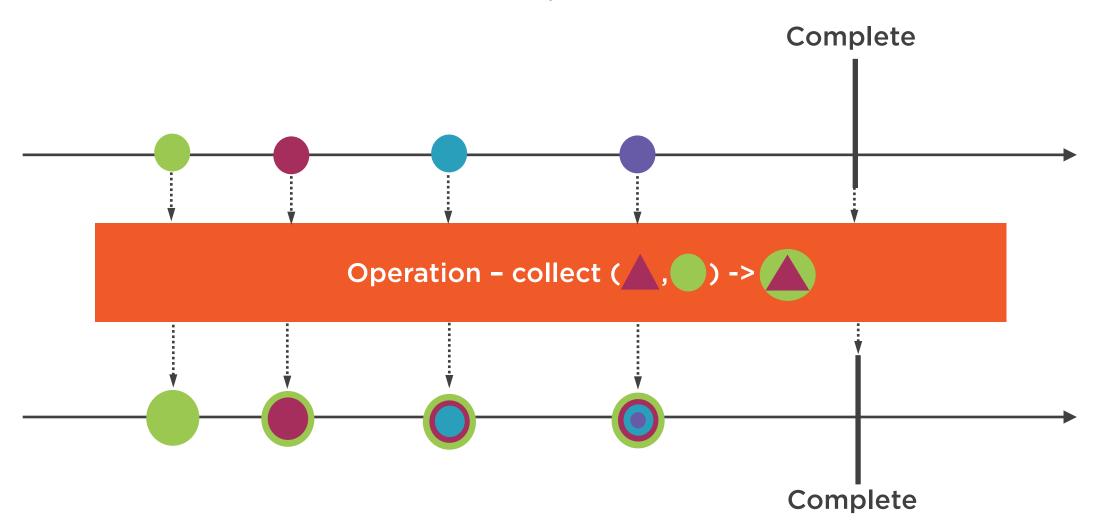


Collect Operator





Scan Operator





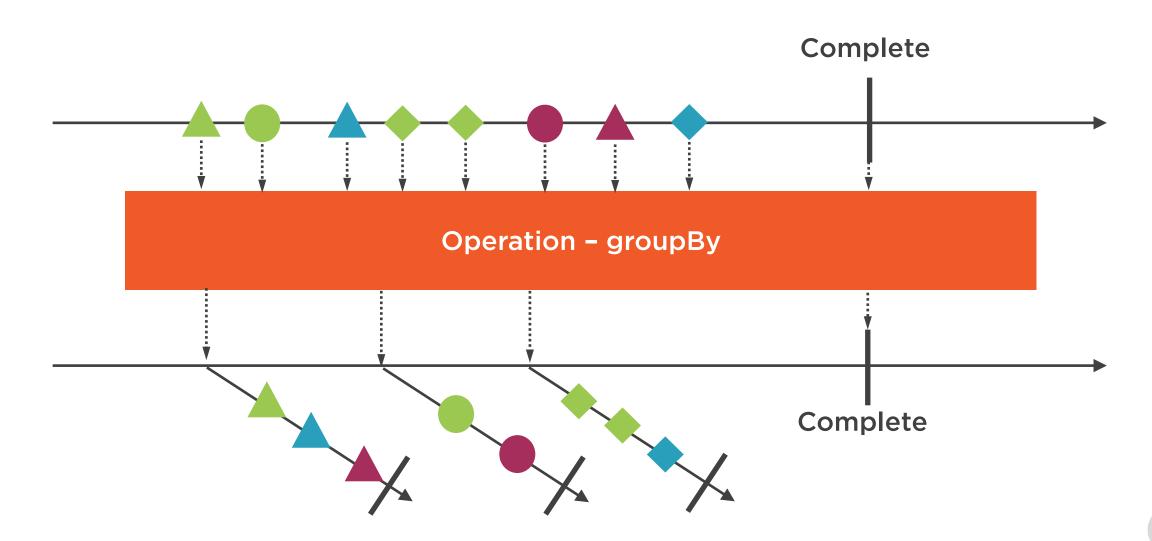


collect

scan

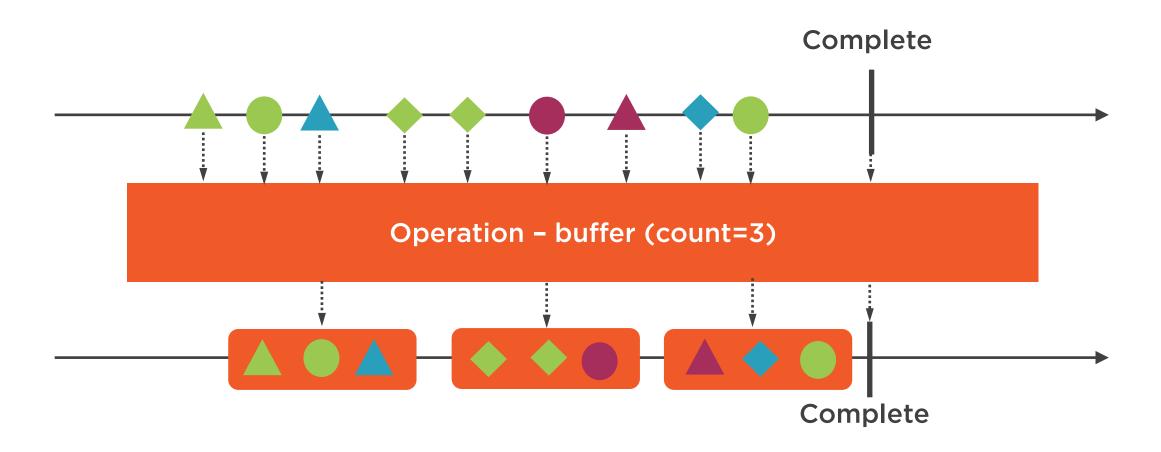


groupBy Operator





buffer Operator







groupBy

buffer

