## Applying Key Operators in the Parallel Flux Class: Case Study ex5 (Part 2)

Douglas C. Schmidt

<u>d.schmidt@vanderbilt.edu</u>

www.dre.vanderbilt.edu/~schmidt



**Institute for Software Integrated Systems** 

Vanderbilt University Nashville, Tennessee, USA





### Learning Objectives in this Part of the Lesson

- Part 2 of case study ex5 shows how to apply Project Reactor features to download & store images from remote web servers by showcasing various operators, e.g.
  - by showcasing various operators, e.g.

     Flux operators fromIterator(), parallel(),
  - & collect()ParallelFlux operators runOn(), map(),
  - & sequential()
  - Mono operators doOnSuccess()
  - & then()The Schedulers.boundedElastic() thread pool

- load .fromIterable(getUrlList)
  - .parallel()

return Flux

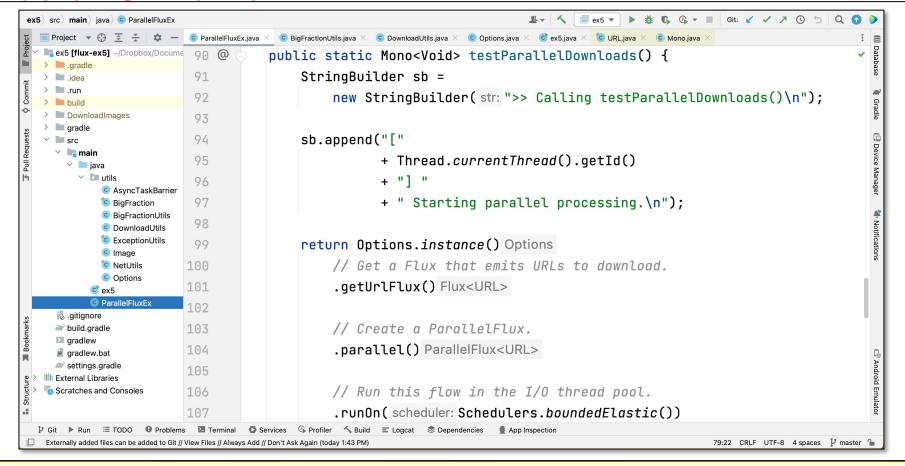
- .runOn
  - (Schedulers
    .boundedElastic())
    - DoundedLiastic

.map (downloadAndStoreImage)

- .sequential()
- .collectList()

# Applying Key Operators in the ParallelFlux Class to ex5

### Applying Key Operators in the ParallelFlux Class to ex5



See github.com/douglascraigschmidt/LiveLessons/tree/master/Reactive/flux/ex5

### End of Applying Key Operators in the ParallelFlux Class: Case Study ex5 (Part 2)