The background is a dark blue field filled with numerous thin, glowing lines in shades of cyan, blue, and orange. These lines are curved and tangled, creating a sense of dynamic movement and energy, reminiscent of fiber optic cables or abstract digital art.

Bootiful Reactive Testing

Introduction



 [@mariogray](https://twitter.com/mariogray)

Developer
Advocate /
Principal
Technologist

```
mgray@pivotal.io ~ >>> $ cat/var/bootiful/reactive.xjsym1
Bootiful Reactive Testing & CDC w/ Spring Boot 2
```

```
mgray@pivotal.io ~ >>> $ whoami
Code/Github: github.com/marios-code-path/bootiful-testing
Today's Demo: " "
```

```
mgray@pivotal.io ~ >>> $ history | xargs jobs
... more history ...
++++ Shameless Plugs
AFA
spring.io/blog/2018/02/13/spring-cloud-contract-in-a-polyglot-world
DIY Author of 2011's "Pro Spring Integration" (APress)
```

```
mgray@pivotal.io >>> $ cat /etc/crontab
```



Reactive !

- *Flow Control and Async Logic*

Test Driven Development !

- *Better Code Decisions*

Test Slices !

- *Faster && > Accurate*

Spring Cloud Contract !

- *End All Meetings*

A futuristic cityscape with curved, tiered buildings under a dark blue sky. The scene is overlaid with a grid of small white dots and horizontal green digital streaks, creating a high-tech, cybernetic atmosphere.

Reactive Basics

1

Publisher<T>
Implementations

2

'Mono<T>' is One*

3

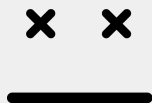
'Flux<T>' is Infinite*

4

Backpressure ==
Subscribe.request(n)



Practice
TDD



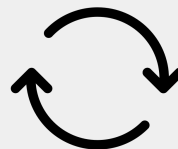
Failing Tests
Firsts



Fix Tests in
Production



Don't Overboard
in Production



Repeat

Three Laws of Test-Driven Development



'Uncle' Bob Martin

1

You are not allowed to write any production code unless it is to make a failing unit test pass.

2

You are not allowed to write any more of a unit test than is sufficient to fail; and compilation failures are test failures.

3

You are not allowed to write any more production code than is sufficient to pass the one failing unit test.



Demo Time!

Closing Notes

Say Hello to \ / \ / \ /



@ntschutta

@bob_brindley

@cote

@tashaisenberg

@mkheck

@pczarkowski

Nate S.

Bob B.

Mike C.

Tasha

Mark
Heckler

Paul C.

This talk is shutting down in 60 seconds.



<https://www.github.com/marios-code-path/bootiful-testing>



<http://www.sudoinit5.com>



<http://www.github.com/marios-code-path/demo-chat>

Questions?



Additional Resources

<https://github.com/reactor/reactor-ipc/blob/master/src/docs/asciidoc/net.adoc>

<https://github.com/reactive-ipc/reactive-ipc-jvm>

<http://www.reactive-streams.org>

https://cloud.spring.io/spring-cloud-contract/multi/multi__spring_cloud_contract_verifier_introduction.html

<https://martinfowler.com/articles/201701-event-driven.html>

<http://jonasboner.com/foreword-reactive-design-patterns>

<https://projectreactor.io/docs/core/snapshot/api>

(Marble Diagram Blog POST by: James Shvarts)

<https://medium.com/@jshvarts/read-marble-diagrams-like-a-pro-3d72934d3ef5>

<https://github.com/mkheck/FSRx>

(R2DBC!: <https://github.com/mkheck/getting-started-r2dbc>)

A portrait of actor Tom Hanks. He is wearing a dark blue suit jacket over a light blue and white striped shirt and a dark tie with a subtle floral pattern. He has his signature curly brown hair and is looking slightly off-camera to the right with a neutral expression. The background is a soft-focus scene of trees with vibrant autumn foliage in shades of orange, yellow, and brown. The lighting is warm and natural, suggesting an outdoor setting during the day.

T. HANKS

