SpringOne Platform ) by Pivotal

# Spring Boot vs. Spring Data for Apache Geode / Pivotal GemFire

By John Blum

@john\_blum

## What's different?



# Why Spring?



# A long time ago...









Spring Boot



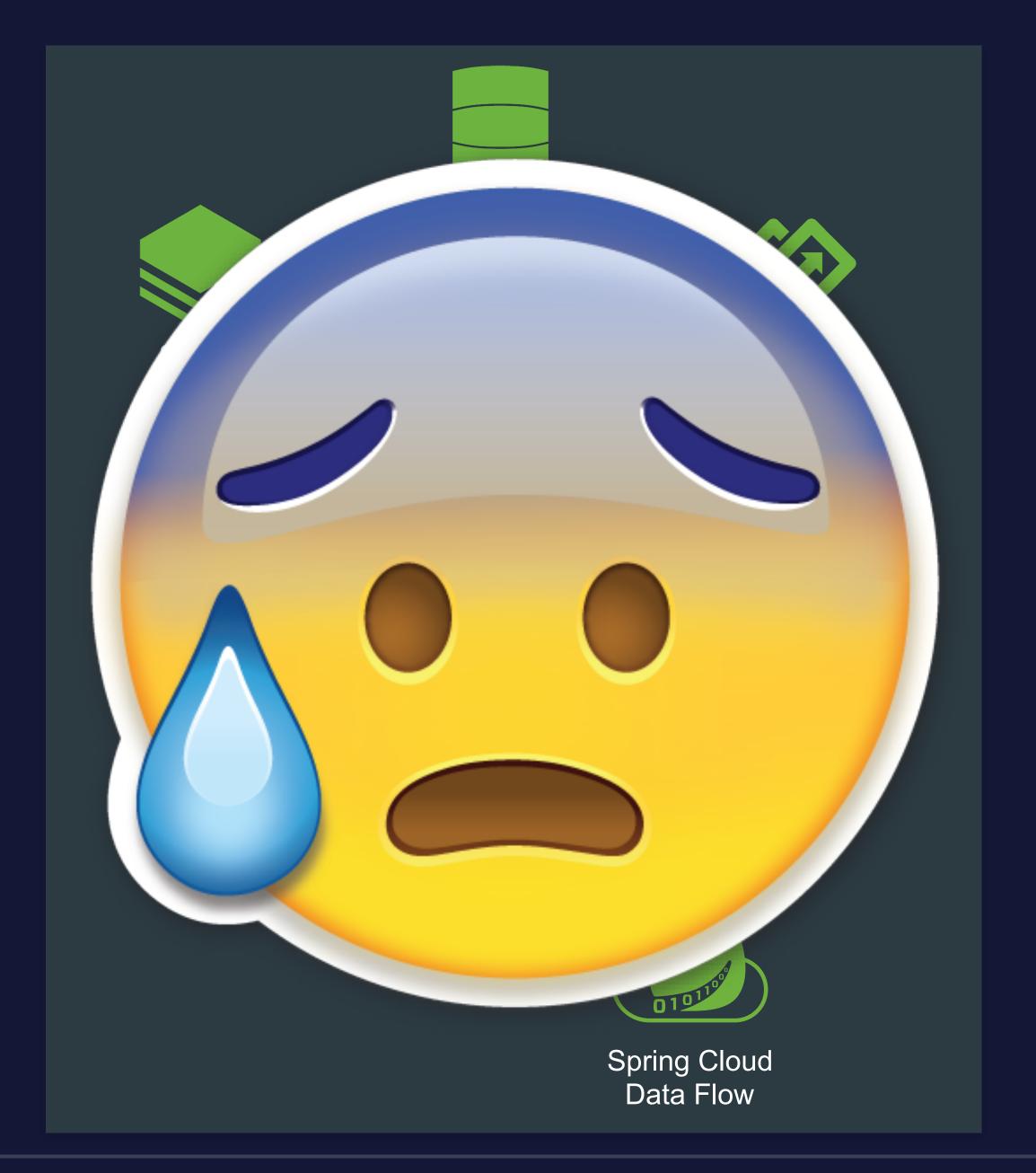
Spring Mobile



Spring Android



Spring Social







Spring **AMQP** 



Spring Kafka



Spring Web Flow



Spring Hateoas

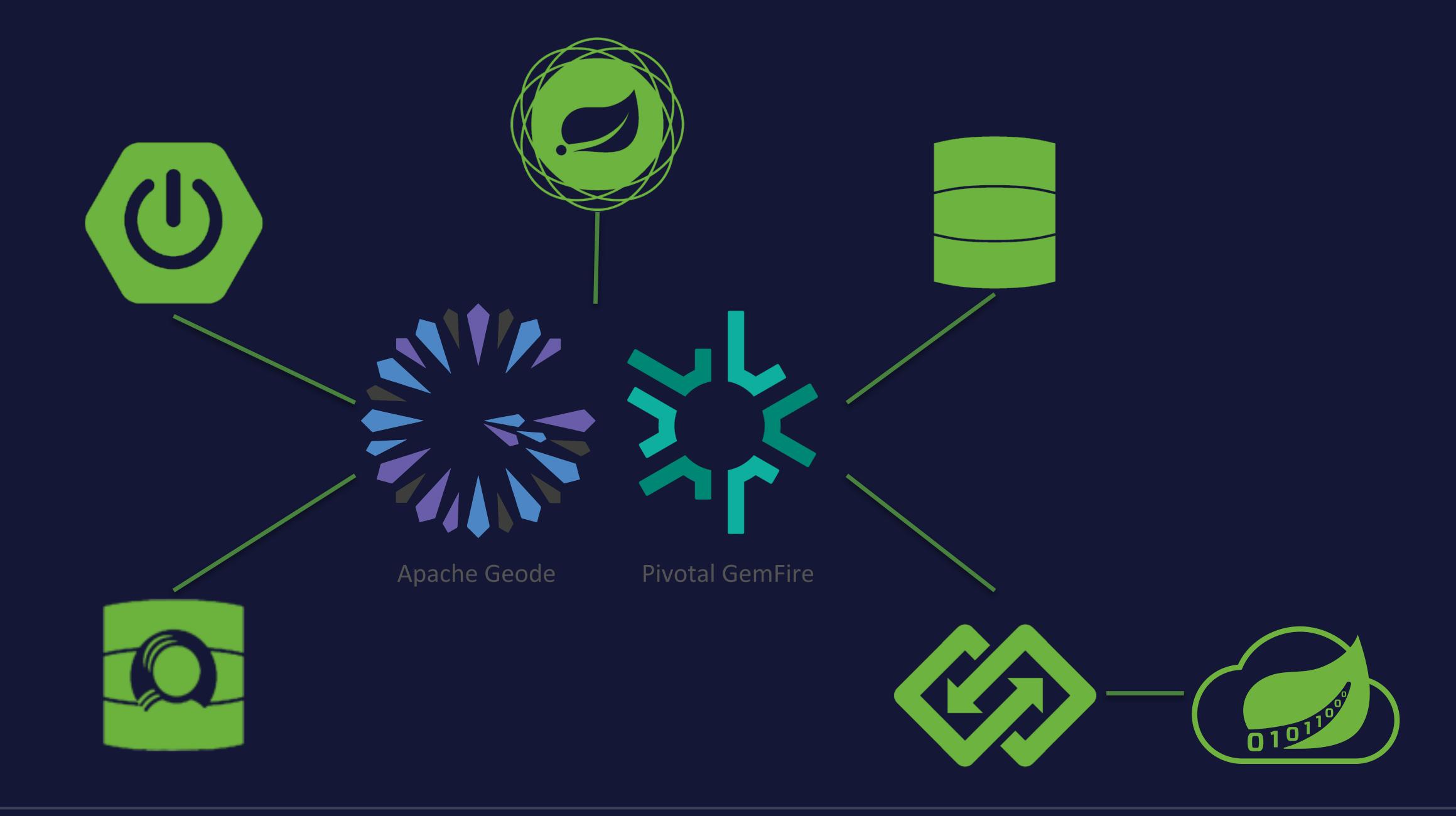




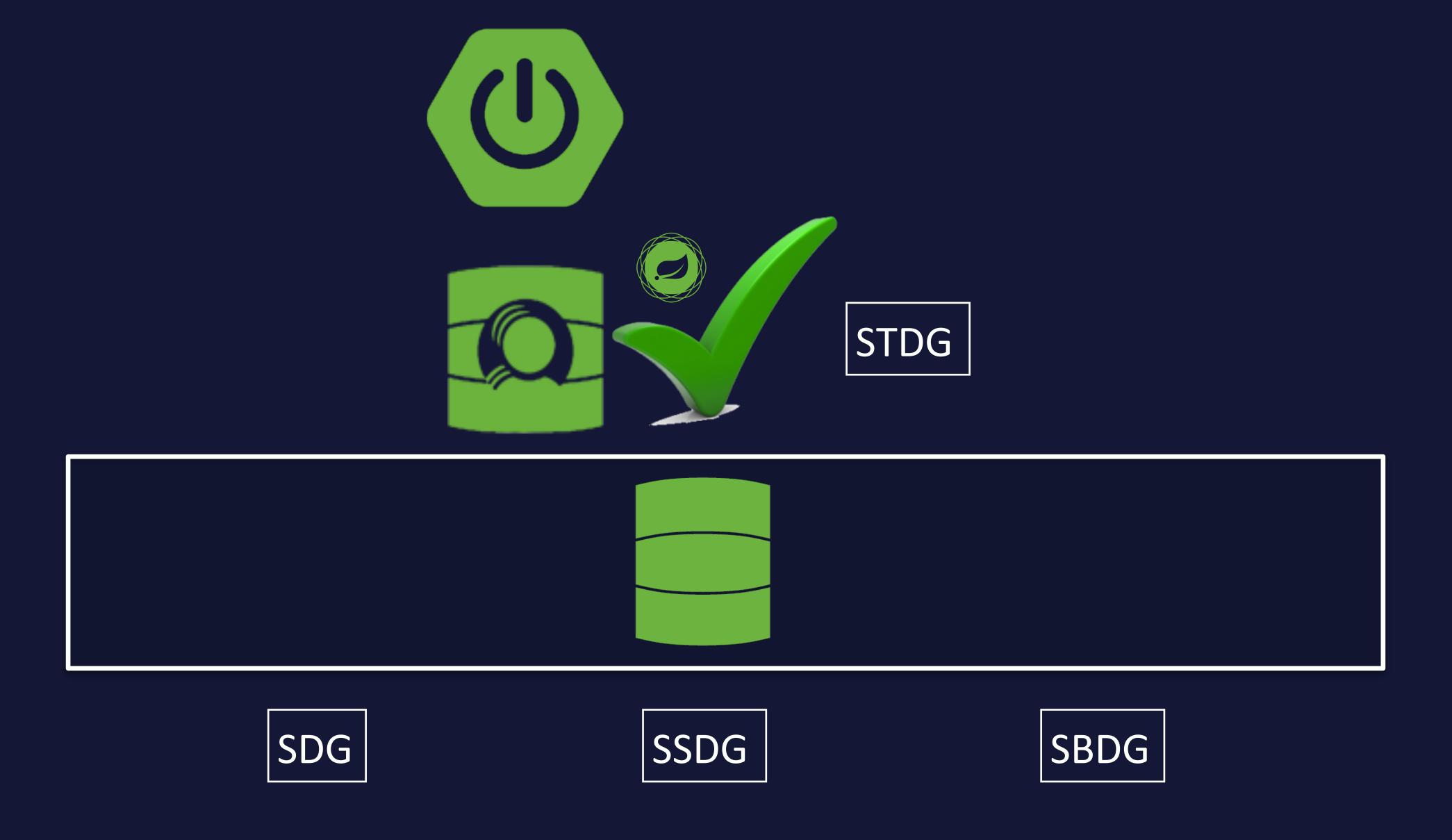
Spring Spring
Session Web Services











- Choice
  - (Explicit with Annotations)
- Get Started Quickly & Easily
- Interchangeable Dependencies
  - (Apache Geode ←→ Pivotal GemFire)
- Move between environments
  - (IDE  $\leftarrow \rightarrow$  Cloud)

- Opinionated
  - (Convention Over Configuration)
- Get Started Even Faster with Ease
- Maintain Interchangeable
   Dependencies
- Move from Standalone to PCC

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<dependency>

<groupId>org.springframework.data/groupId>

<artifactId>spring-data-gemfire</artifactId>

<version>2.0.9.RELEASE

</dependency>



<dependency>

<groupId>org.springframework.data/groupId>

<artifactId>spring-data-geode</artifactId>

<version>2.0.9.RELEASE

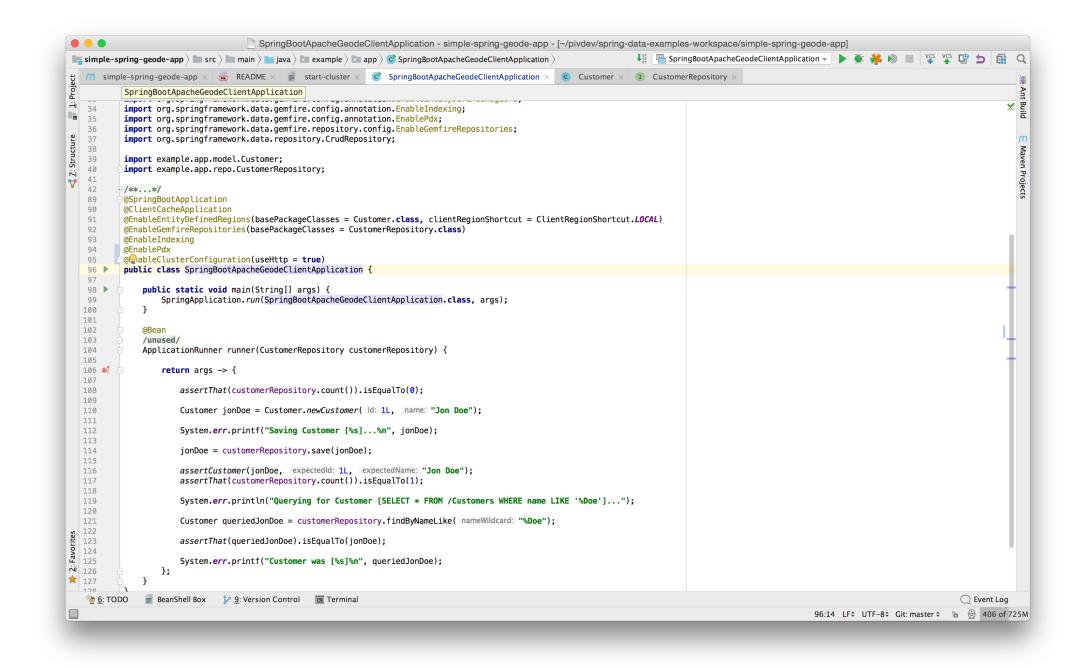
</dependency>

<dependency>

<groupId>org.springframework.geode/groupId>

<artifactId>spring-gemfire-starter</artifactId>

</dependency>





















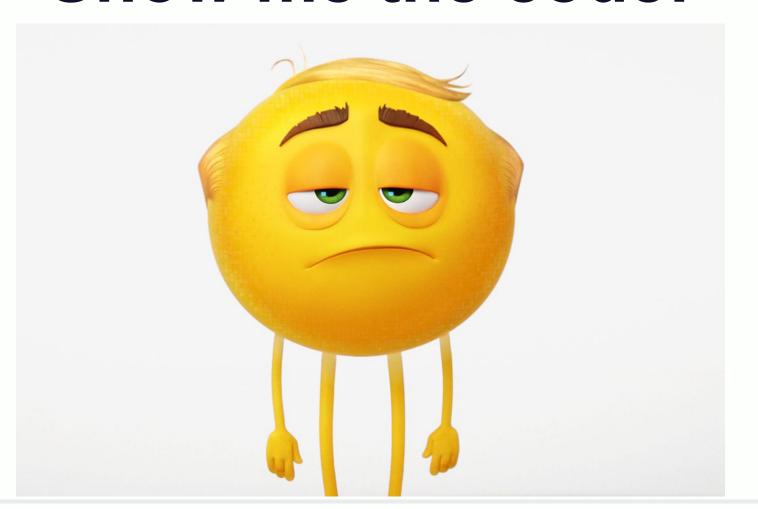


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# Enough Talk

#### Show me the code!

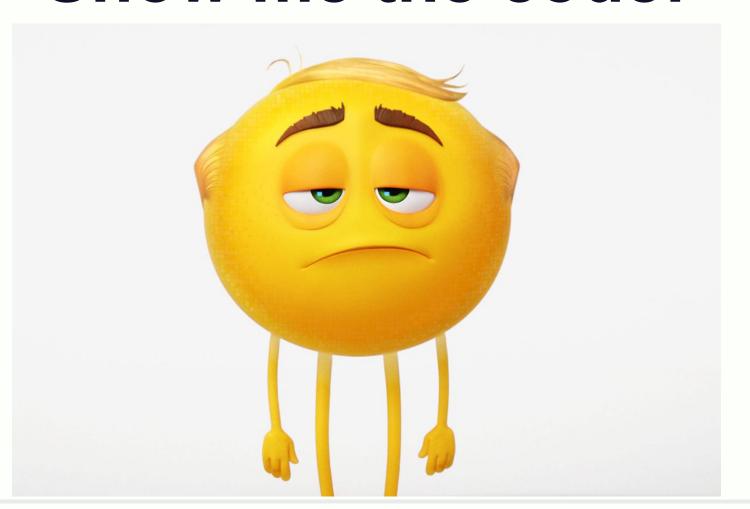


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#### What's Next? (Spring Data Moore)

- Repository Projections
- Paging Repositories
- Function Executions on Repositories
- Reactive Repositories
- Streaming Function Support
- Deploying SDG defined Functions in Apache Geode/Pivotal GemFire
- @EnableAutoDeploy
- Actuator and Micrometer Support in Spring Boot
- And more...

#### References

\* github.com/jxblum

# Questions?

# Thank You