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# Services Assemble!

Apply MVP principles to create cutting-edge microservices  
without chaos with Spring Cloud/Netflix OSS

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# Who am I?



# Who am I?

- Author
- Speaker
- Developer
- Java Champion
- Survivor of many monoliths
- Seeker of a better way







MICROSERVICES!

# Enablers

The diagram illustrates the components of an application framework. At the top left is a blue icon of a person labeled 'Dev'. To its right is a green rounded rectangle containing the text 'Application Framework'. Further to the right are two green icons: one of a cloud with a leaf labeled 'Spring Cloud' and another of a power button labeled 'Spring Boot'. A dashed line encloses the 'Application Framework', 'Spring Cloud', and 'Spring Boot' elements.

**Spring Boot**

From 0 to app in < 5 min

**Spring Cloud**

Designed for fragile infrastructure in partnership with **Netflix**

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# Netflix/Spring Cloud OSS

Operational Component	Netflix/Spring Cloud OSS
Centralized Configuration	Spring Cloud Config
Service Registry/Discovery	Netflix Eureka (+)
Circuit Breaker	Netflix Hystrix
Load Balancer	Netflix Ribbon
Intelligent Router	Netflix Zuul
Asynchronous Messaging	Spring Cloud Stream
Distributed Tracing	Spring Cloud Sleuth
Security/OAuth2	Spring Cloud Security

and much, much more.

# Let's SMASH This!



# Helpful Links

# Helpful Links

- <https://spring.io/guides>
- <http://projects.spring.io/spring-boot/>
- <http://projects.spring.io/spring-cloud/>
- <https://github.com/mkheck/ASSEMBLE>

# In summary...



# In summary...

- Microservices can be hard
- But they don't have to be
- Leverage “enablers”
- Build for speed & resilience
- Netflix does it, so can you

