

SESSION FIVE

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# Spring Cloud Services

# Cloud Native Architectures

## Scalability

- On-Demand Provisioning
- Service Discovery
- Routing
- Load Balancing
- Stream Manipulation

## Resiliency

- High Availability
- Continuous Delivery
- Chaos Testing
- Routing
- Circuit Breaking
- Failure Resolution

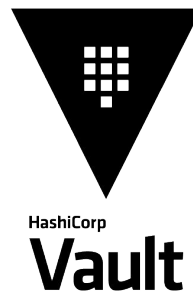
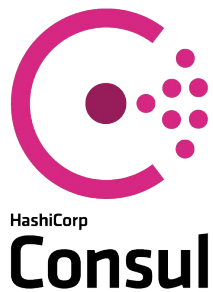
# Netflix Cloud

## Driving Factors

- Time to Delivery
- Pioneering Architectures
- Subset of the Whole



# Open Source Solutions



# Spring Cloud Services



## Aspect Oriented

- Convention over Configuration
- Cloud Connectors
- Curated Libraries
- Opinionation
- Developer Simplicity

# Spring Cloud Netflix

## Client

- Ribbon
- Archaius
- Hystrix
- Feign
- Zuul

## Server

- Eureka
- Turbine



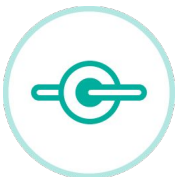
# Spring Cloud Services, Connectors, Integrations



Circuit Breaker



Config Server



API Gateway



RabbitMQ



Service Registry



MySQL



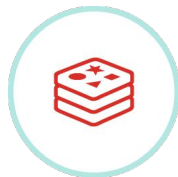
Pivotal Cloud Cache



Pivotal GemFire



Pivotal Push  
Notifications



Redis

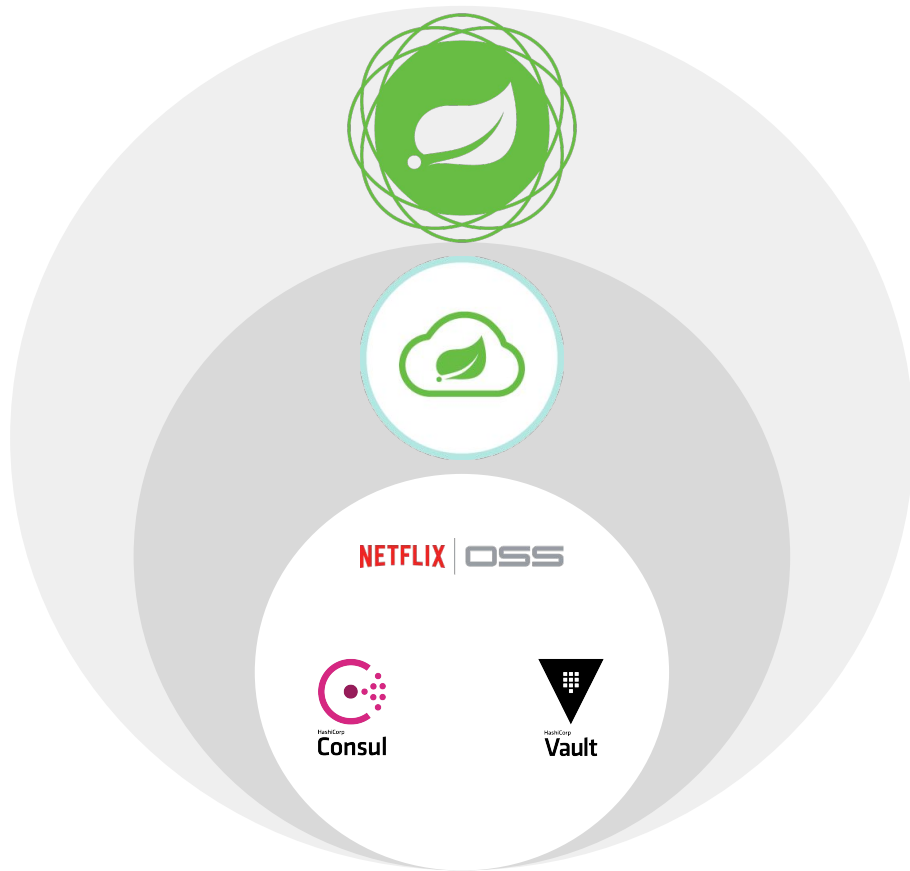


Riak



Session State  
Caching

# Spring Cloud





# Spring Cloud

- Open Source
- Modular
- Cloud Ready
- Agile



SESSION FIVE

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# Questions?

## **Show Students SCS in AppsMan**