Spring Cloud Config

- Spring Cloud Config provides externalized configuration for distributed environments

- Provides a RESTFul style API for Spring services to lookup configuration values

- Spring Boot applications on startup obtain configuration values from Spring Cloud Config server

- Properties can be global and application specific

- Properties can also be stored by Spring profiles

- Easily encrypt and decrypt properties

Property Storage

- Spring Cloud Config provides a number of options for property storage:

  - Git (default) or SVN

  - File System

  - HashiCorp's Vault

  - JDBC, Redis

  - AWS S3

  - CredHub

Spring Cloud Config Client

- Spring Cloud Config Client by default will look for a URL property

  - 'spring.cloud.config.url' - default is http://localhost:8888

- If using discovery client, client will look for service called 'configserver'

- Fail Fast - optionally configure client to fail with exception if config server cannot be reached

Configuration Resources

- Resources served as: /application/profile/label

- **application** = spring.application.name

- **profile** = Spring active profile(s)

- **label** = spring.cloud.config.label

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