MONITORING SPRING BOOT APPLICATIONS

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31-Mar-2017



AGENDA

- Monitoring Tools
- Spring Boot Admin
- Why ?
- Demo
- Screenshots
- Q & A

MONITORING TOOLS

- Custom monitor !!!
- Spring Boot ActuatorSpring Boot Admin

SPRING BOOT ADMIN

- Author: Johannes Edmeier
- Spring boot documentation
- Simple Application to Manage and Monitor
- Apps register with Spring Boot Admin Client (via http) or discovered using Spring Cloud
- UI is in Angular.js and nice

SETUP ADMIN SERVER

Add spring boot admin server and UI as depedencies

SETUP ADMIN SERVER

Pull in the Boot Admin Server configuration

```
@Configuration
@EnableAutoConfiguration
@EnableAdminServer
public class SpringBootAdminApplication {
    public static void main(String[] args) {
        SpringApplication.run(SpringBootAdminApplication.class
     }
}
```

REGISTER CLIENT APPLICATIONS

spring-boot-admin-starter-client

REGISTER CLIENT APPLICATIONS

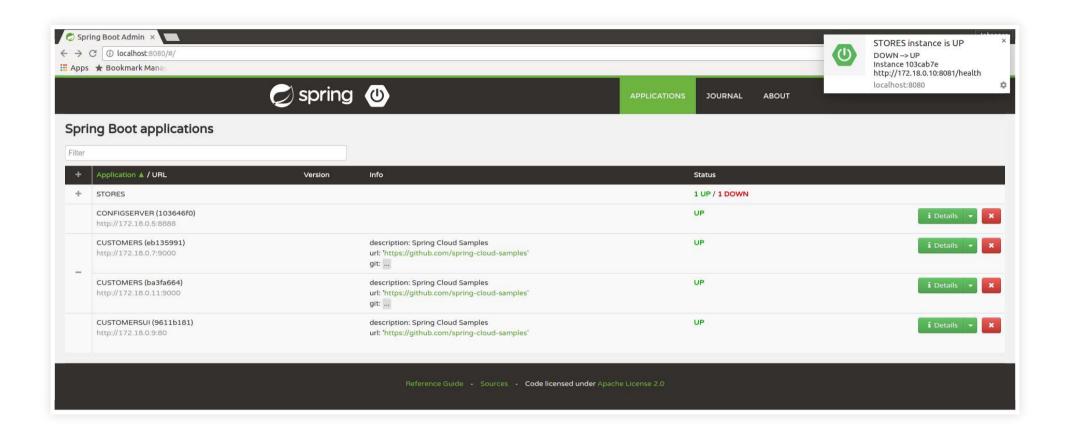
Trigger the contained AutoConfiguration

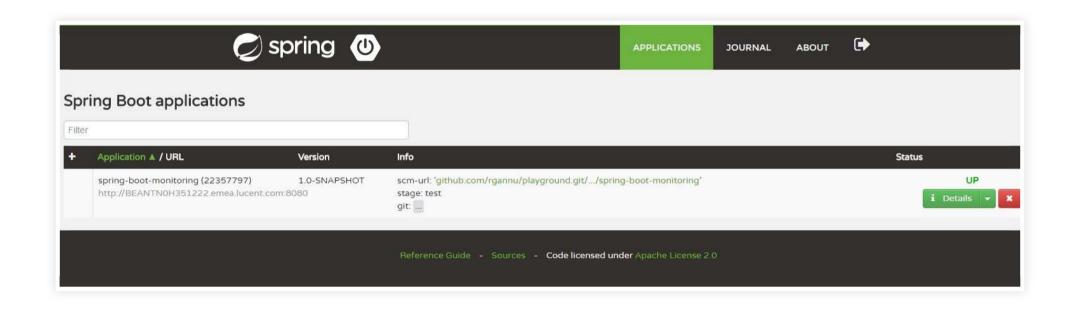
```
application.yml spring.boot.admin.url: http://localhost:8080
```

DEMO

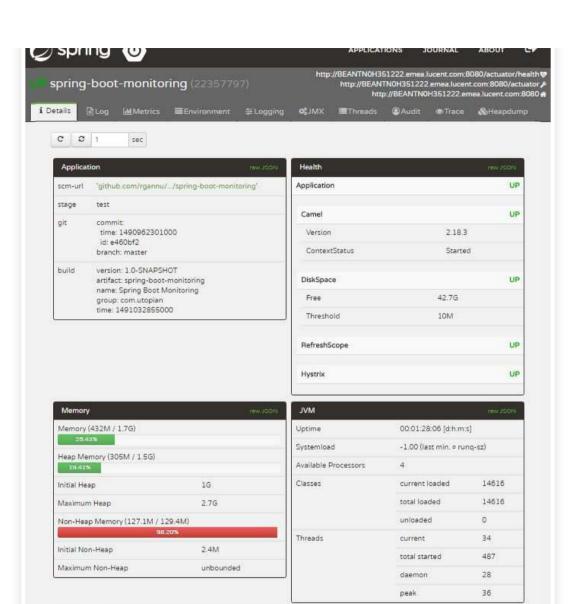
Spring boot sample application

https://github.com/rgannu/playground/tree/master/camel/spring-boot-monitoring



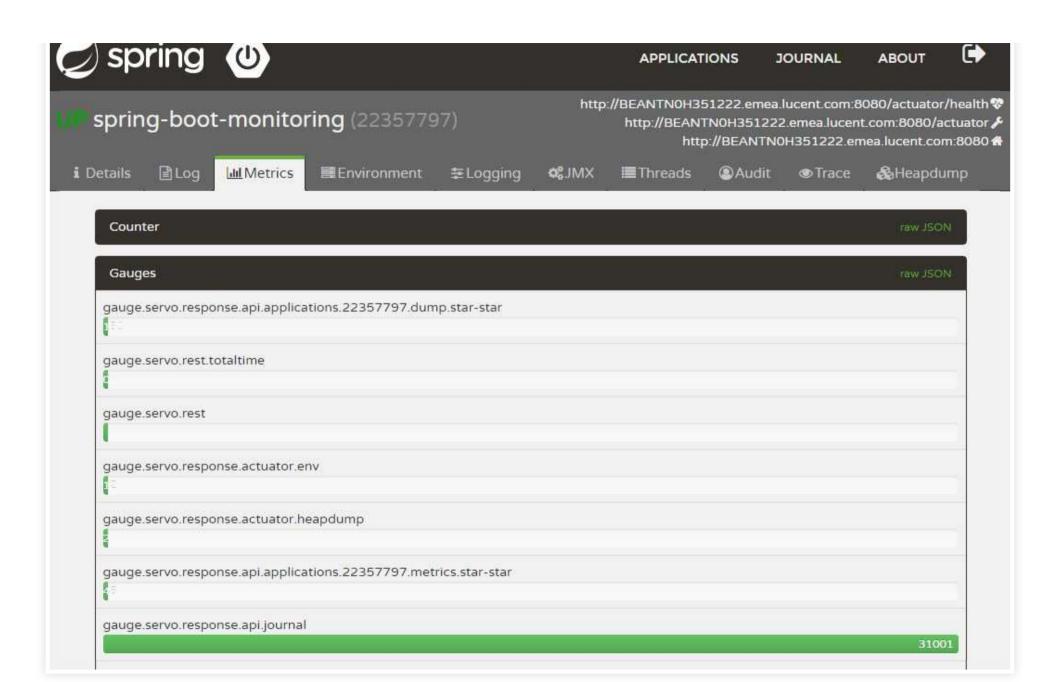


View application health, info and details

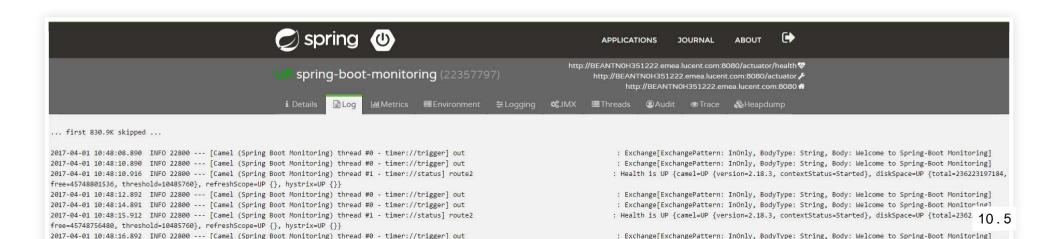


Servlet Container			
Http sessions	active	311	
	maximum	unbounded	

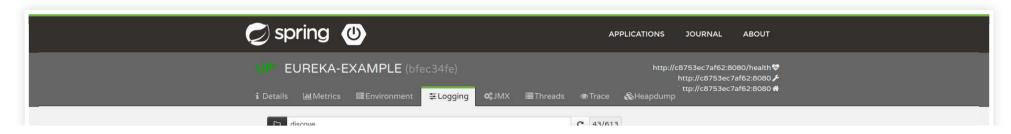
View metrics, counters and gauges



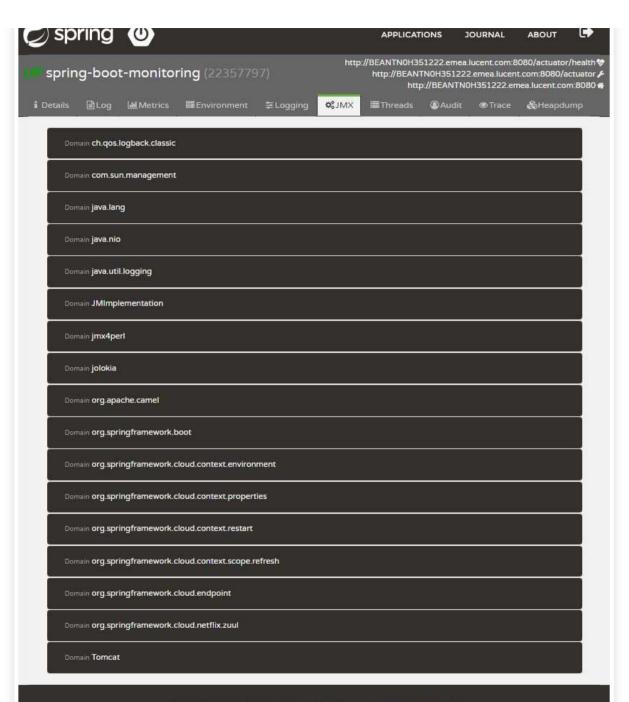
View logfile (with follow)

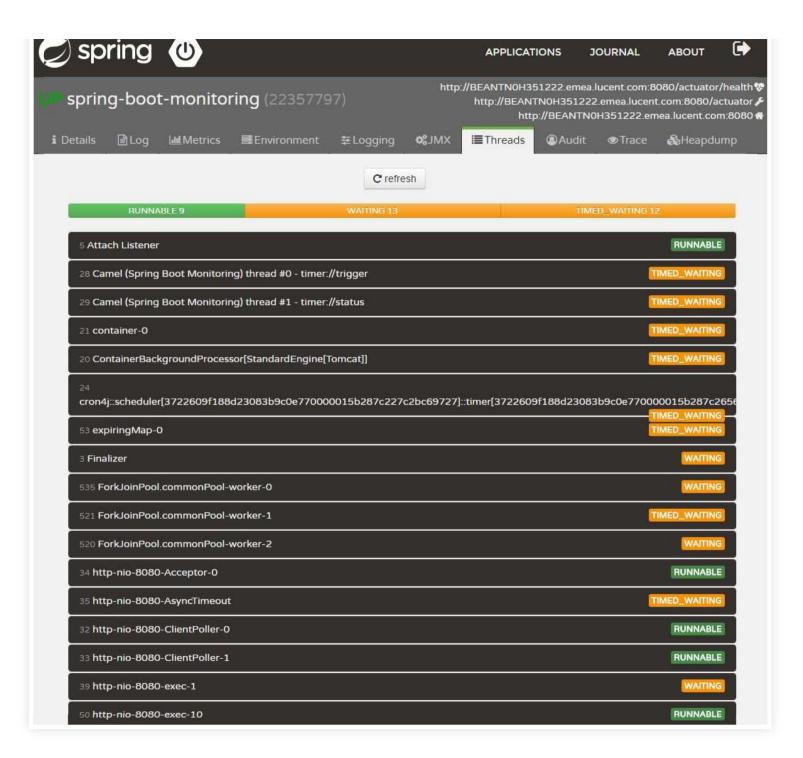


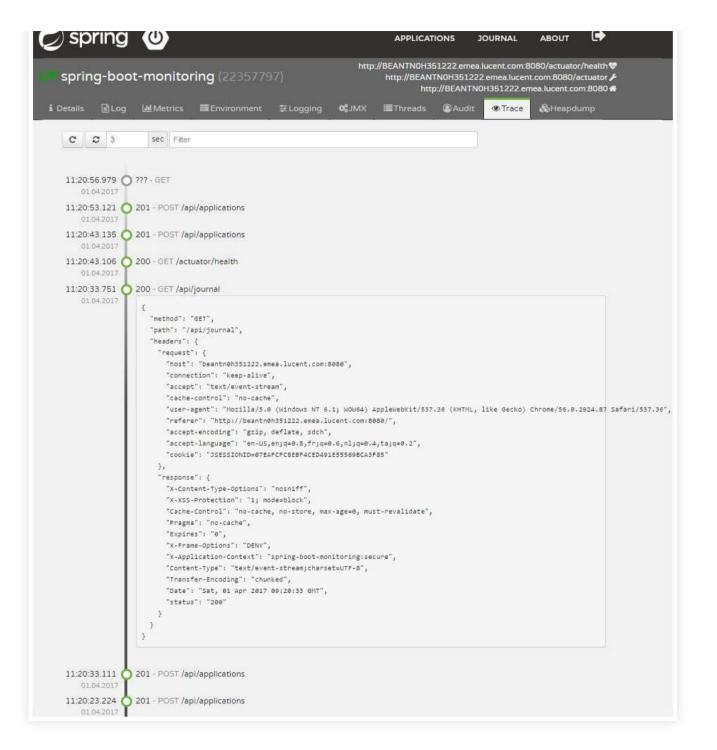
Manage Logback logger levels



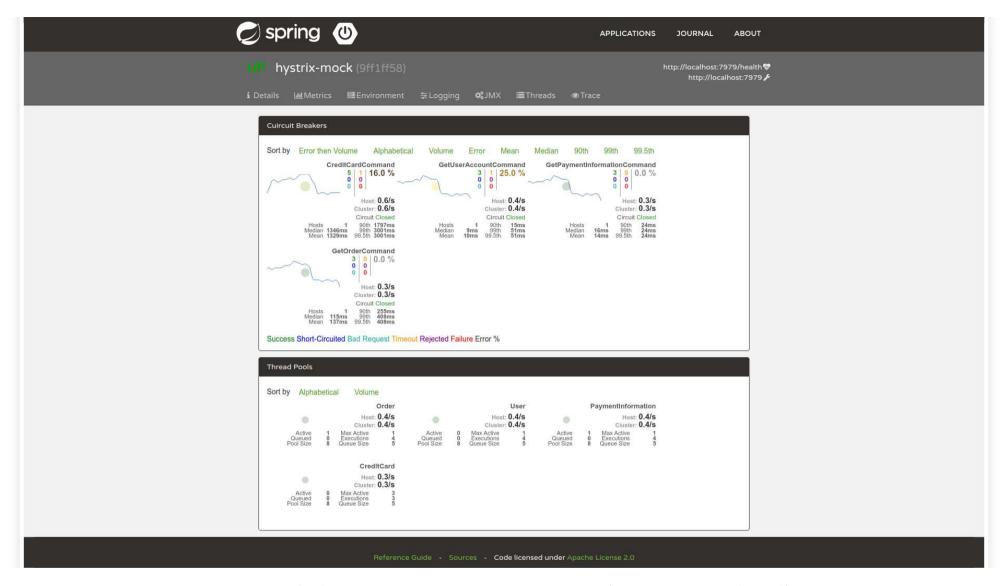
View and use JMX beans via jolokia



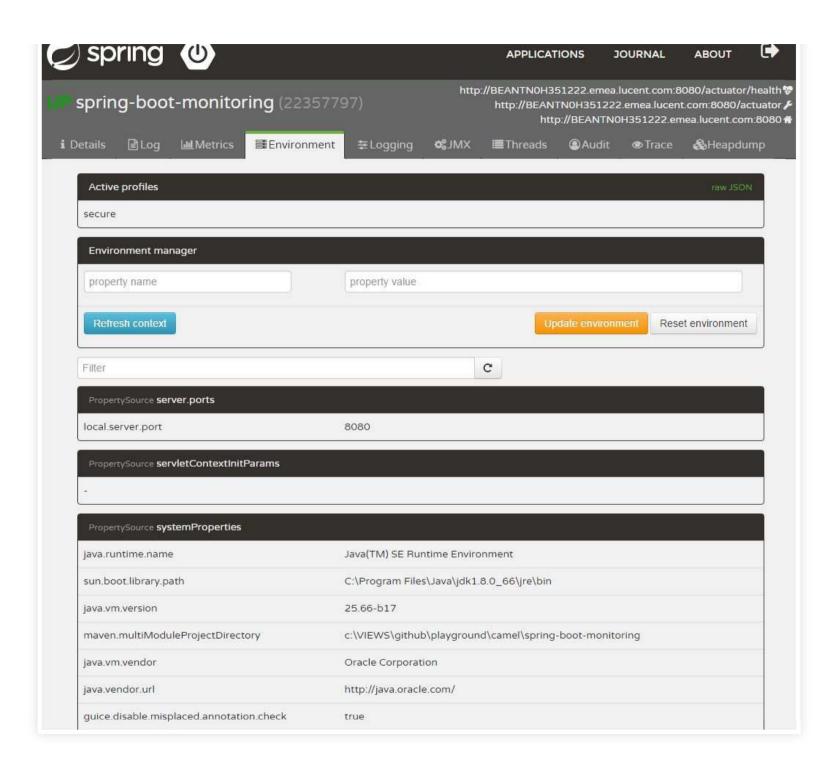




View Hystrix dashboard



View and change Spring environment (via Spring Cloud)



Q & A

