



Spring Boot Admin

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Shell ★ 2 ⚡ 1
- [spring-boot-admin-samples](#)
Samples for Spring Boot Admin
Java ★ 66 ⚡ 37
- [spring-projects/spring-boot](#)
Spring Boot
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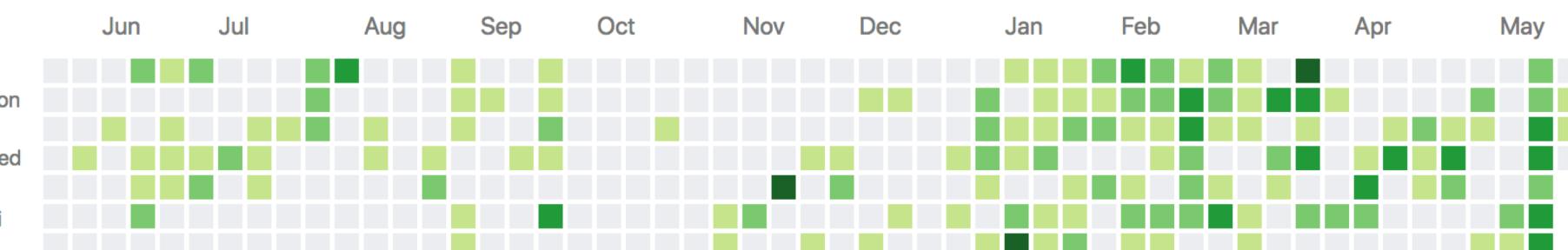
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Setting things up (demo time)

Setting up the SBA Server (1)

1. Generate web project using [Spring Initializr](#)

```
$ curl https://start.spring.io/starter.tgz \
  -d dependencies=web, \
    codecentric-spring-boot-admin-client, \
    codecentric-spring-boot-admin-server \
| tar -xzvf -
```

Setting up the SBA Server (2)

2. Import Configuration to the Application

```
@EnableAdminServer  
@SpringBootApplication  
public class AdminServerApplication {  
  
    ...  
  
}
```

Register client applications (1)

1. Add dependency

```
<dependency>
    <groupId>de.codecentric</groupId>
    <artifactId>spring-boot-admin-starter-client</artifactId>
    <version>2.0.0</version>
</dependency>
```

Register client applications (2)

2. Configure SBA Server location and expose endpoints

```
spring.boot.admin.client.url=http://localhost:8081
```

```
management.endpoints.web.exposure.include=*
management.endpoint.health.show-details=always
```

Easy client tweaks

```
#set application name
spring.application.name=spring-petclinic
#enables logfile endpoint
logging.file=target/petclinic.log
#adds hyperlink to info endpoint
info.sources=https://github.com/spring-projects/spring-petclinic

<!-- add version to info endpoint -->
<plugin>
  <groupId>org.springframework.boot</groupId>
  <artifactId>spring-boot-maven-plugin</artifactId>
  <executions>
    <execution>
      <goals>
        <goal>build-info</goal>
      </goals>
    </execution>
  </executions>
</plugin>
```

Register client applications

alternatively use

Eureka, Consul, Zookeeper,
static config

... or any other Spring Cloud Discovery Client

Register client applications

alternatively use

Postponed to 2.0.1
(snapshot available)
coming

... or any other Spring Cloud Discovery Client

Behind the Scenes

client registers periodically via http post



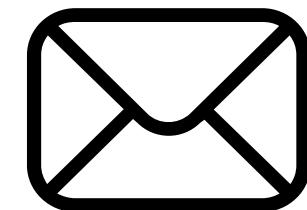
server polls health endpoint via http



... monitoring non-Boot applications is possible
(just health checking)

Notifications

... simply configured via properties



eMail



pagerduty



HipChat



OpsGenie

let's Chat



Microsoft Teams

... or implement your own

server forwards requests to clients
(using zuul)



... clients must expose actuator endpoints using http

Security

... can be implemented using Spring Security
e.g. Basic Auth, JWT, session based, ...

... custom headers can be injected implementing a
HttpHeadersProvider

Customization – HttpHeadersProvider

```
@Bean  
public HttpHeadersProvider injectHeaders() {  
    return instance -> {  
        HttpHeaders headers = new HttpHeaders()  
        headers.set("X-CUSTOM", "1234567");  
        return headers;  
    };  
}
```

Customization - InstanceExchangeFilterFunction

```
@Bean
public InstanceExchangeFilterFunction auditLog() {
    return (instance, request, next) -> {
        if (HttpMethod.POST.equals(request.method())) {
            log.info("{} for {} on {}",
                request.method(), instance.getId(), request.url());
        }
        return next.exchange(request);
    };
}
```

Customization - Notifier

```
@Bean
public Notifier loggerNotifier() {
    return event -> {
        log.info("Event {}", event.toString());
        return Mono.empty();
    };
}
```

New Features in 2.0

Webflux Support

Out of the Box Cloudfoundry Support

Html-Templates for Mail-Notifications

Version is also looked up in Metadata

Sessions Endpoint Support

Wallboard View

Runs on Java 10

What to Expect in the Future

Bugfixes... Bugfixes... Bugfixes...

Spring Cloud Finchley Support

Custom Views (for Custom Actuator Endpoints)

Multi-Instances-Actions (e.g. Setting Loglevels)

...

Questions?



[\[spring-boot-admin\]](#)



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