



ed1a-limits-service > get configuration form application properties ..

1

application properties

```
spring.application.name=limits-service
limits-service.minimum=9
limits-service.maximum=999
```

2

model using lombok

```
import lombok.AllArgsConstructor;
import lombok.Getter;

@AllArgsConstructor
public class LimitConfiguration {
    @Getter
    private int maximum;
    @Getter
    private int minimum;
}
```

3

configurure properties

```
@Component
//limits-service is the prefix for properties in the configuration file.
@ConfigurationProperties("limits-service")
public class Configuration {
```

4

app

```
@RestController
public class LimitsConfigurationController {

    @Autowired
    Configuration configuration;

    @GetMapping("/limits")
    public LimitConfiguration retrieveLimitsFromConfigurations() {
        return new
LimitConfiguration(configuration.getMaximum(),configuration.getMinimum());
    }
}
```

5 run

```
http://localhost:8080/limits
```

ed1b-spring-cloud-config-server > Setting up Spring Cloud Config Server ..

1 add dependency

```
<properties>
  <java.version>1.8</java.version>
  <spring-cloud.version>Greenwich.SR5</spring-cloud.version>
</properties>

<dependency>
  <groupId>org.springframework.cloud</groupId>
  <artifactId>spring-cloud-config-server</artifactId>
</dependency>

<dependencyManagement>
  <dependencies>
    <dependency>
      <groupId>org.springframework.cloud</groupId>
      <artifactId>spring-cloud-dependencies</artifactId>
      <version>${spring-cloud.version}</version>
      <type>pom</type>
      <scope>import</scope>
    </dependency>
  </dependencies>
</dependencyManagement>
```

2 install git

```
$ git --version
git version 2.24.0.windows.2
```

3 ed1c-git-localconfig-repo create local repo

```
$ mkdir ed1c-git-localconfig-repo
$ cd ed1c-git-localconfig-repo
$ git init
```

 <https://git-scm.com/docs/>

4 ed1b-spring-cloud-config-server application.properties

```
spring.application.name=spring-cloud-config-server
server.port=8888
```

5 link source ed1c-git-localconfig-repo

- eclipse :
 - build path > link source
- idea :
 - File | Project Structure > Project Settings | Modules.
 - Select necessary module > Sources > Add Content Root > specify the folder that you want to add as a new content root.

6 ed1c-git-localconfig-repo limits-service.properties

```
limits-service.minimum=8
limits-service.maximum=888
```

7 git commit


```
$ git add -A
$ git commit -m "added limits-service properties"
```

8 ed1b-spring-cloud-config-server application.properties

```
spring.application.name=spring-cloud-config-server
server.port=8888
spring.cloud.config.server.git.uri=file:///Z:/explorE/eCourse/mas-ms-sp-sc/mx-master-i1/demos/d02-spring-cloud-config-server
```

9 annotate the app

```
@EnableConfigServer
@SpringBootApplication
public class App {
```

 <http://localhost:8888/limits-service/default>