|  | **dependencies** | **annotations** | **configuration**  **application.yml /**  **bootstrap.yml** |
| --- | --- | --- | --- |
| **service-registry** | <dependency>  <groupId>org.springframework.cloud</groupId>  <artifactId>spring-cloud-starter-netflix-eureka-server</artifactId>  </dependency> | (above ServiceRegistryApplication (main))  @SpringBootApplication  @EnableEurekaServer | (application.yml only)  server:  port: <port>  eureka:  client:  register-with-eureka: false  fetch-registry: false |
| **api-gateway** | <properties>  <java.version>11</java.version>  <spring-cloud.version>2021.0.0</spring-cloud.version> ← *added*  </properties>  <dependency>  <groupId>org.springframework.cloud</groupId>  <artifactId>spring-cloud-starter-gateway</artifactId> ← gateway  </dependency>  <dependency>  <groupId>org.springframework.cloud</groupId>  <artifactId>spring-cloud-starter-netflix-eureka-client</artifactId> ← reg client  </dependency>  <dependency>  <groupId>org.springframework.cloud</groupId>  <artifactId>spring-cloud-starter-config</artifactId> ← config discoverable  </dependency> | (above CloudGatewayApplication (main))  @SpringBootApplication  @EnableEurekaClient | (application.yml only)  server:  port: <port>  spring:  application:  name: API-GATEWAY  config:  import: optional:configserver:http://<config-server ip>:<port>  cloud:  gateway:  routes:  - id: <SERVICE-NAME>  uri: lb://<SERVICE-NAME>  predicates:  - Path=/<service designated path>/\*\*  - id: … *etc* |
| **config-server** | <properties>  <java.version>11</java.version>  <spring-cloud.version>2021.0.0</spring-cloud.version> ← *added*  </properties>  <dependency>  <groupId>org.springframework.cloud</groupId>  <artifactId>spring-cloud-config-server</artifactId>  </dependency>  <dependency>  <groupId>org.springframework.cloud</groupId>  <artifactId>spring-cloud-starter-netflix-eureka-client</artifactId> ← reg client  </dependency> | (above ConfigServerApplication (main))  @EnableConfigServer  @EnableEurekaClient  @SpringBootApplication | (application.yml only)  server:  port: <port>  spring:  application:  name: CONFIG-SERVER  cloud:  config:  server:  git:  uri: <https://github.com/><repo>/<filename> \*\*  clone-on-start: true |
| **services** | <properties>  <java.version>11</java.version>  <spring-cloud.version>2021.0.0</spring-cloud.version> ← *added*  </properties>  <dependency>  <groupId>org.springframework.cloud</groupId>  <artifactId>spring-cloud-starter-netflix-eureka-client</artifactId> ← reg client  </dependency>  <dependency>  <groupId>org.springframework.cloud</groupId>  <artifactId>spring-cloud-starter-config</artifactId> ← config discoverable  </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> | (above <ServiceName>Application (main))  @SpringBootApplication  @EnableEurekaClient | (application.yml)  server:  port: <port>  spring:  application:  name: <SERVICE-NAME>  config:  import: optional:configserver:http://<config-server ip>:<port>  ~~(bootstrap.yml - TO TEST - DO NOT NEED!)~~  ~~spring:~~  ~~cloud:~~  ~~config:~~  ~~enabled: true~~  ~~uri: http://<config-server ip>:<port>~~ |

\*\*

This is the uniform code to permit service-registry discovery

Default filename: config-server

eureka:

client:

service-url:

defaultZone: http://<ip>:<port>/eureka

register-with-eureka: true

fetch-registry: true

instance:

preferIpAddress: true OR

hostname: localhost