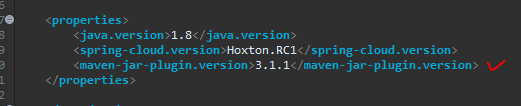
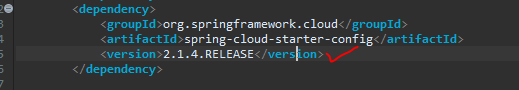


pom.xml:

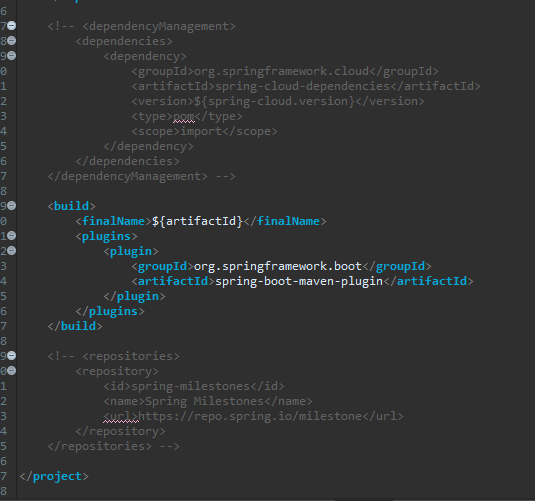
* Tambahkan maven version di properties



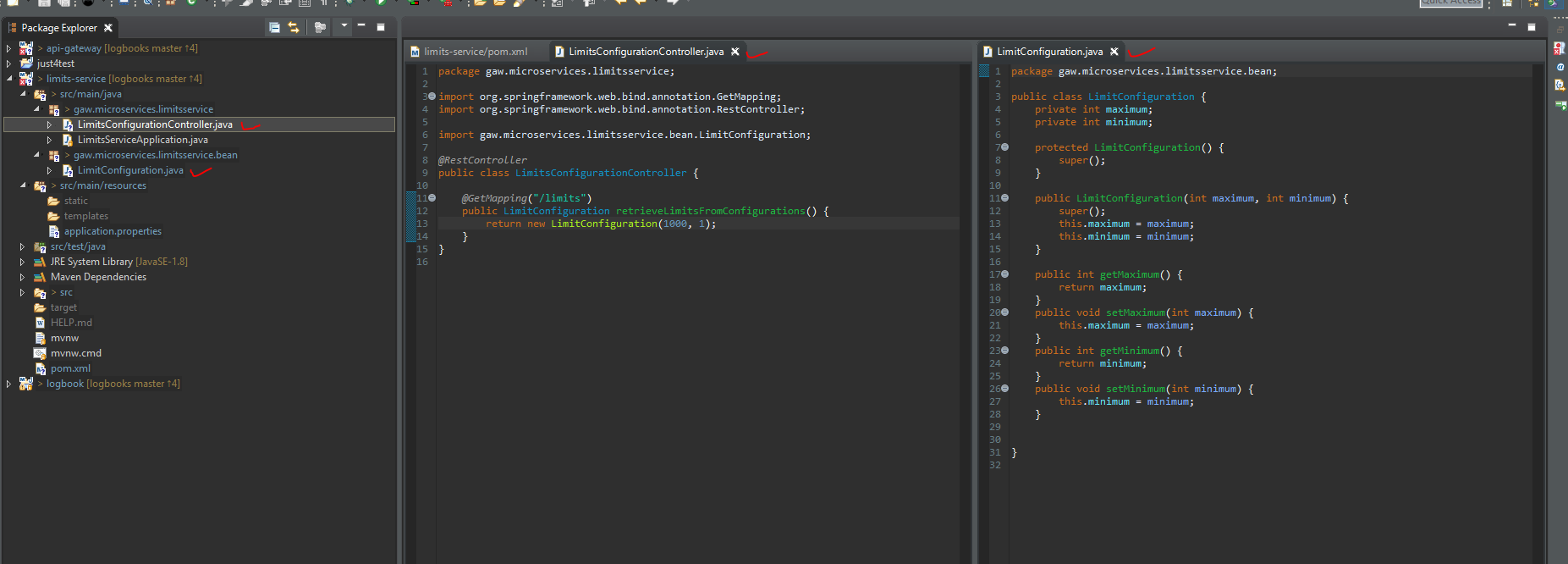
* Tambahkan version pada dependency spring-cloud-starter-config

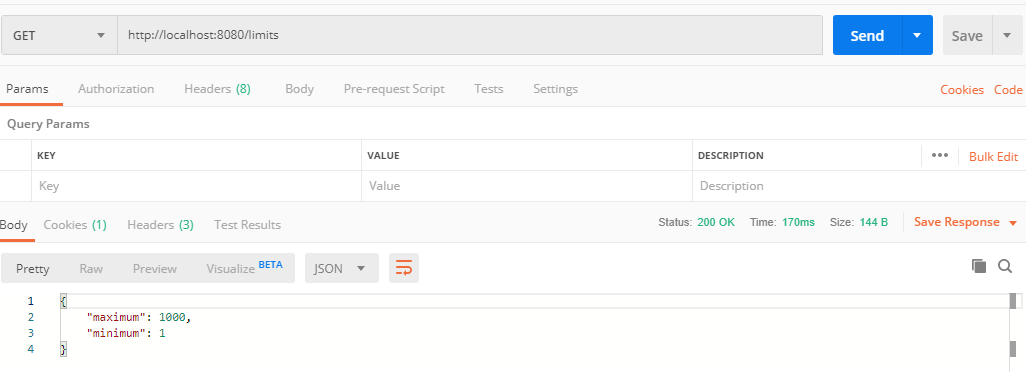


* disable/hapus dependency management & repositories (karena dalam config kantor)

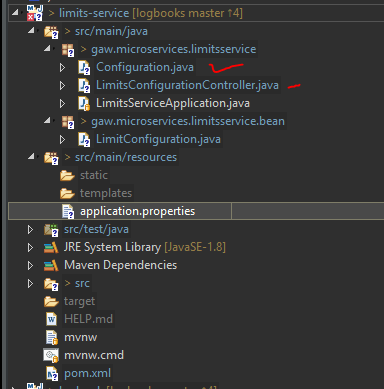


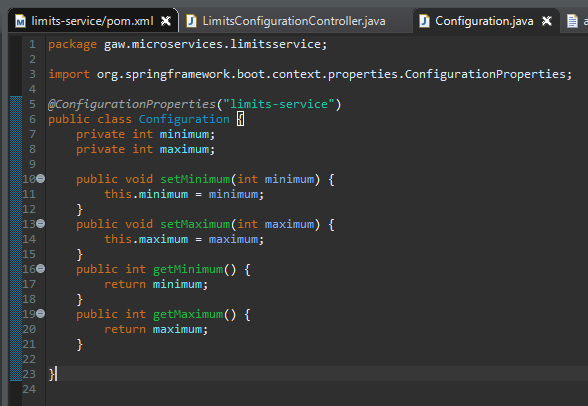
Create hard coded limits service

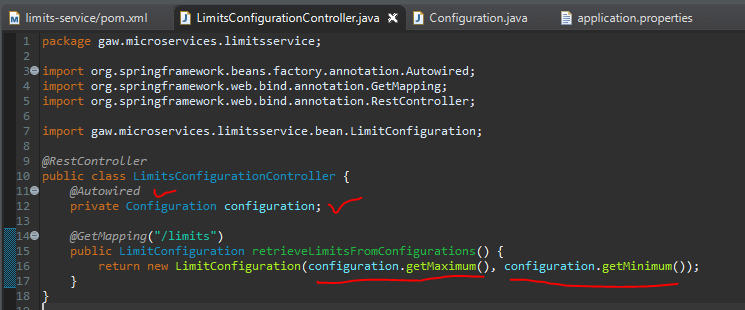


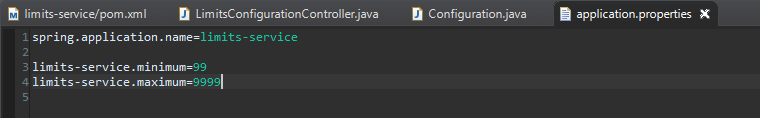


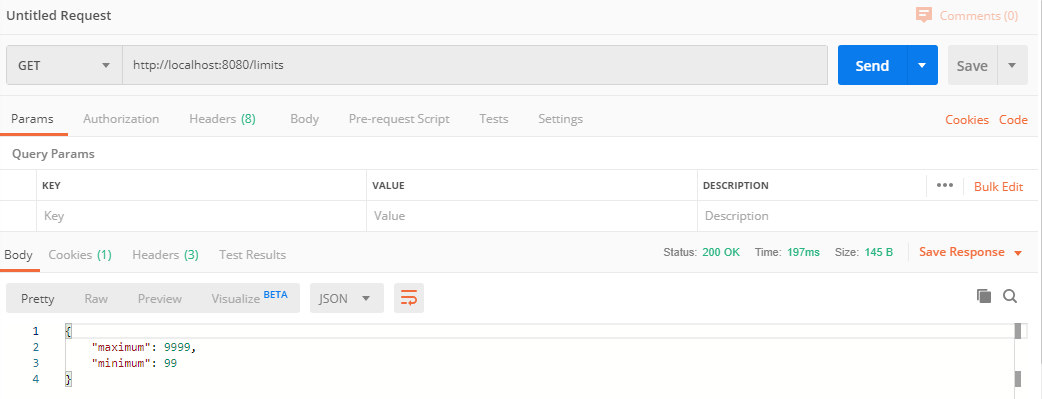
enhance limits service to get configuration from application.properties





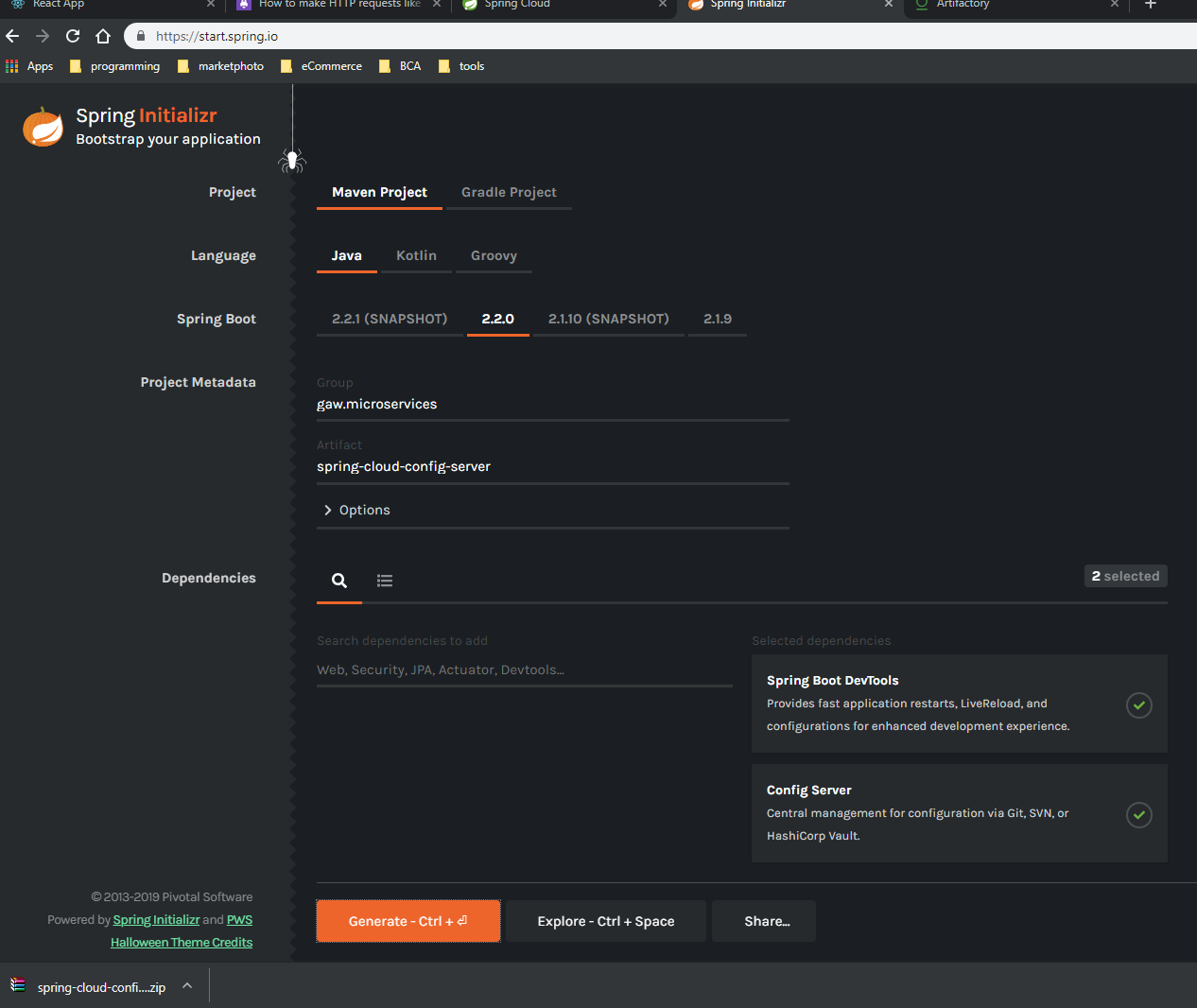




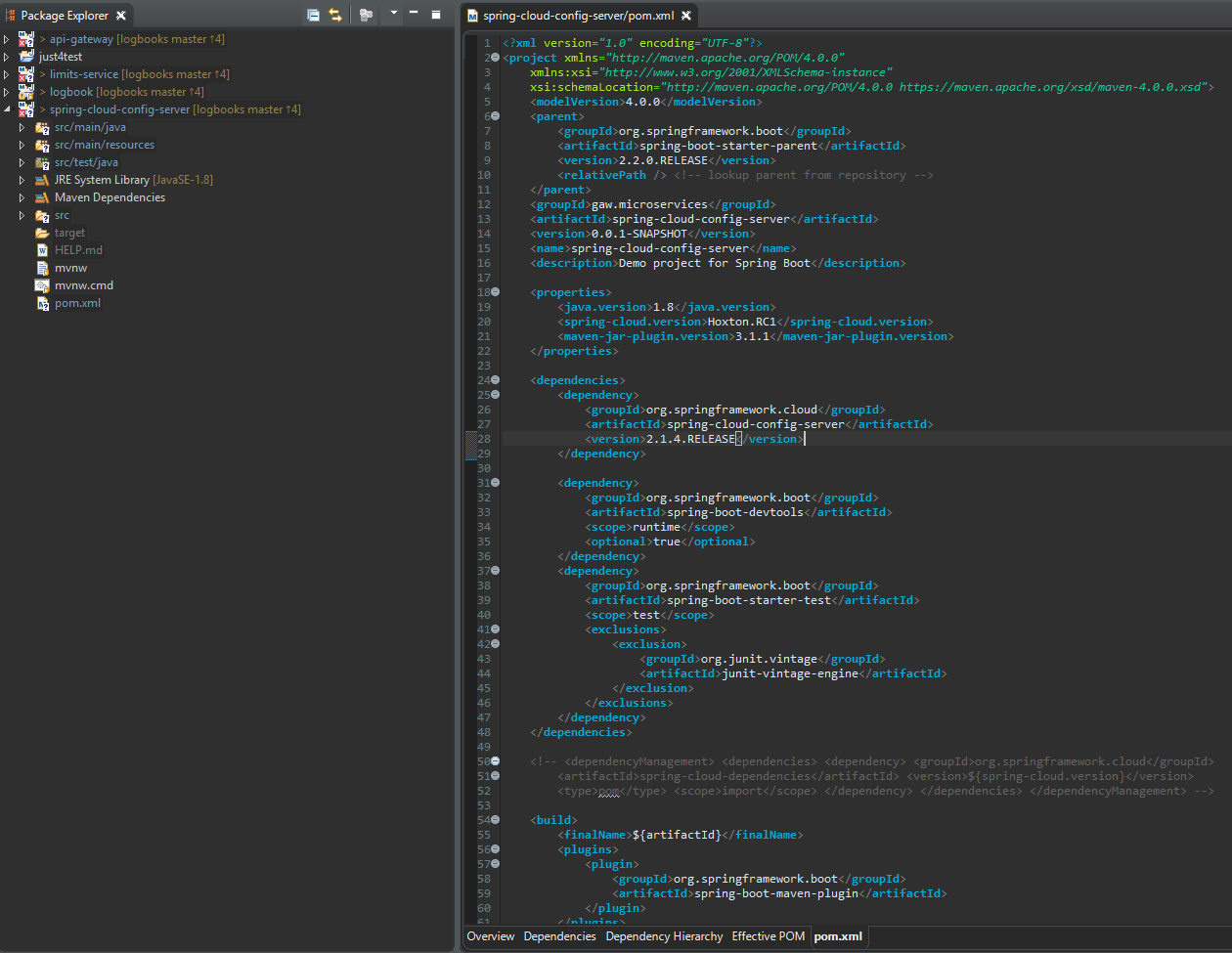


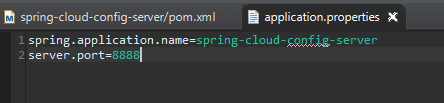
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Setting up spring cloud config server

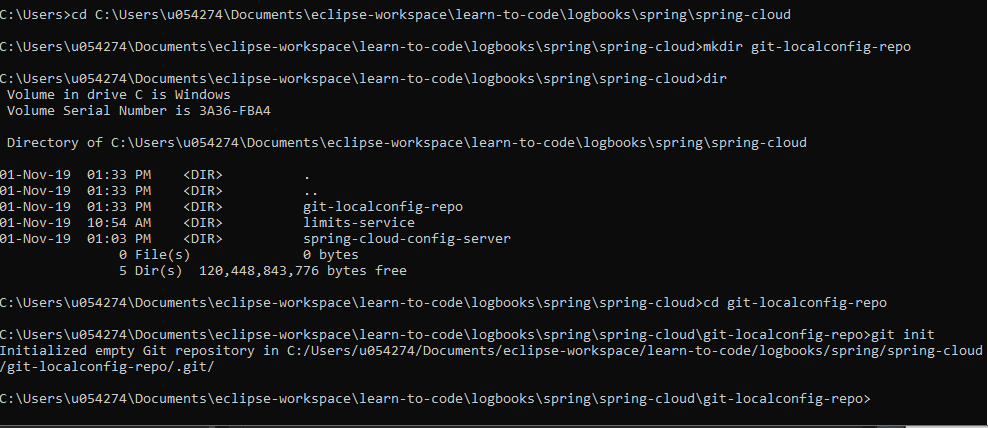


Config pom.xml sama seperti limits-service

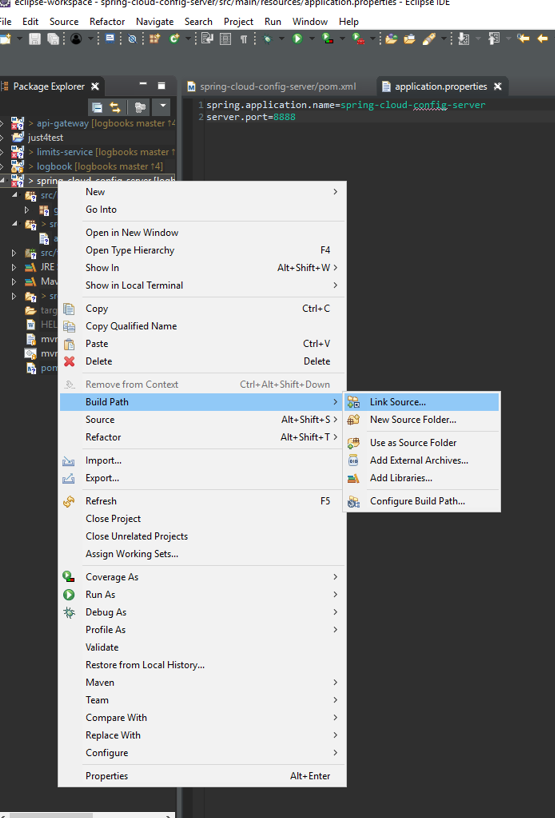


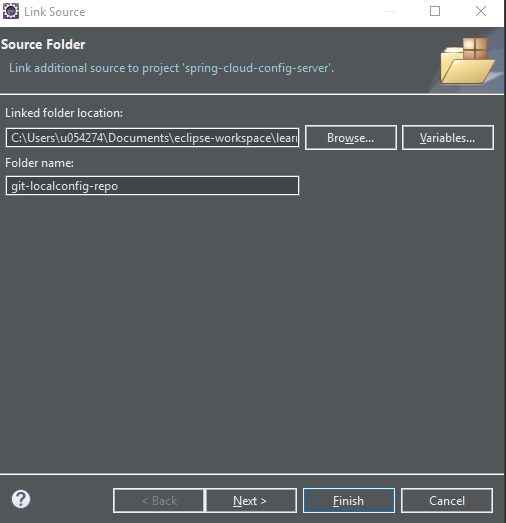


mikin git-repo ‘git-localconfig-repo’

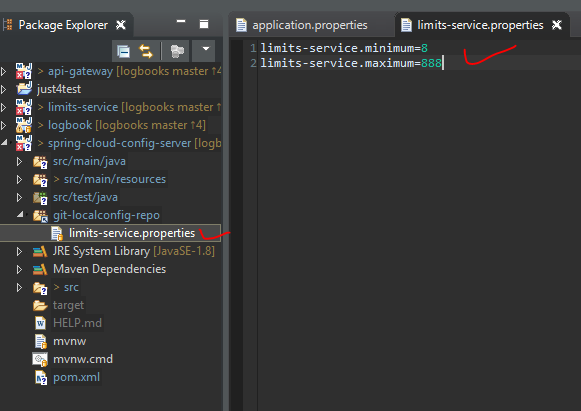


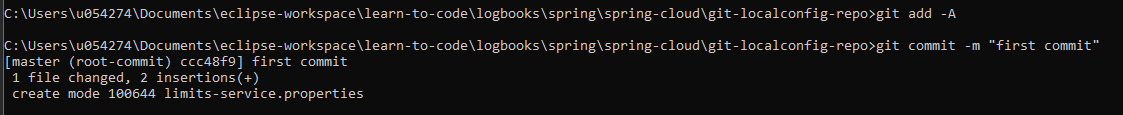
Balik ke eclipse > spring-cloud-config-server, klik kanan>Build Path>Link Source





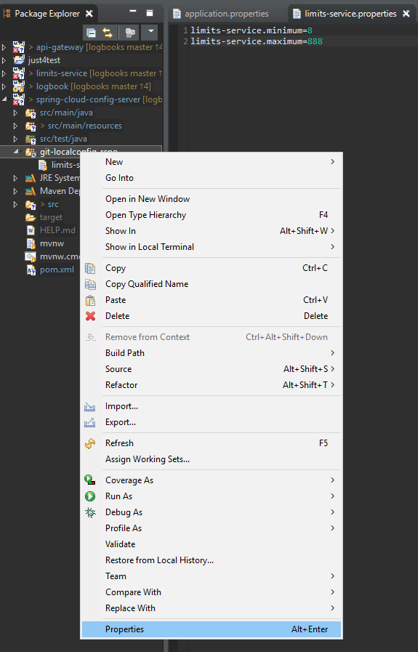
Create file ‘limits-service.properties’, lalu copy parameter dari limits-service yang telah dibuat



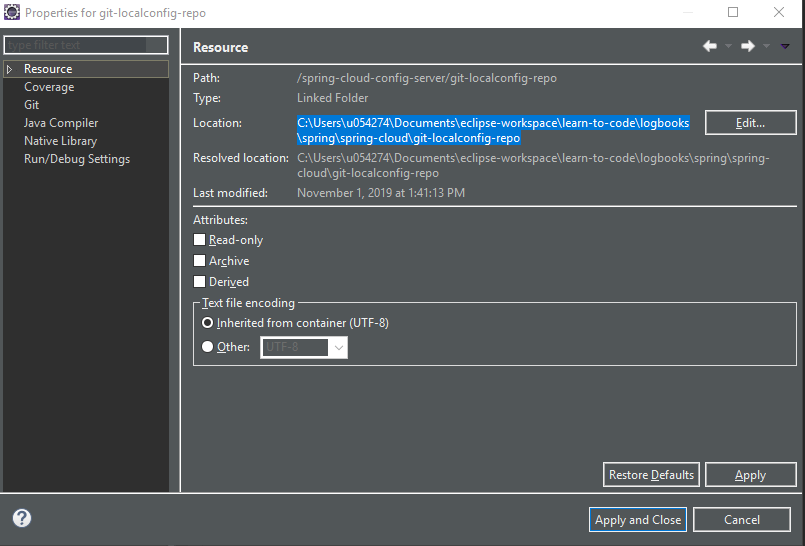


**Connect Spring Cloud Config Server to Local Git Repository**

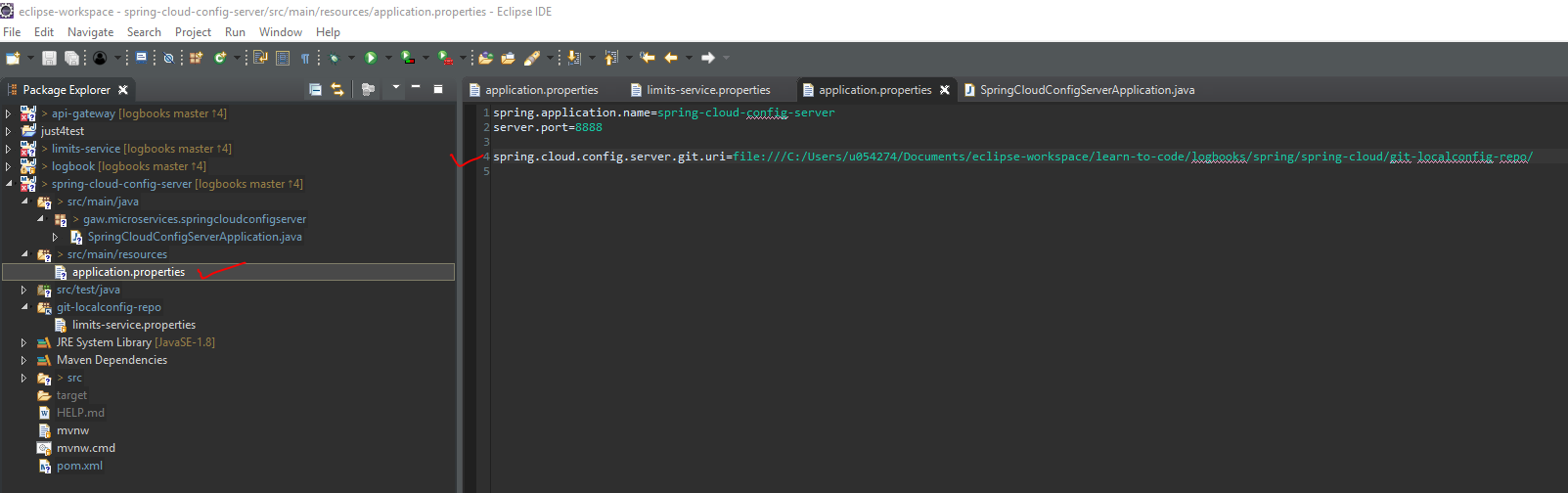
Klik kanan pada folder ‘git-localconfig-repo’ > properties

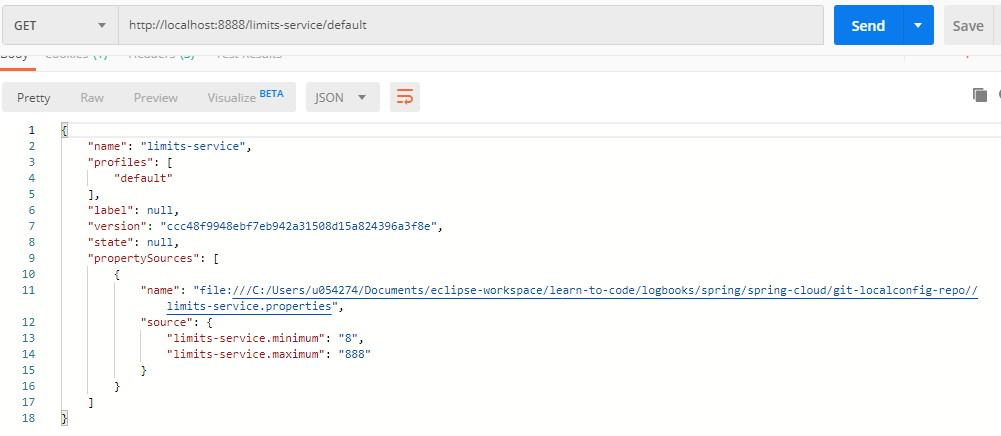


Copy location



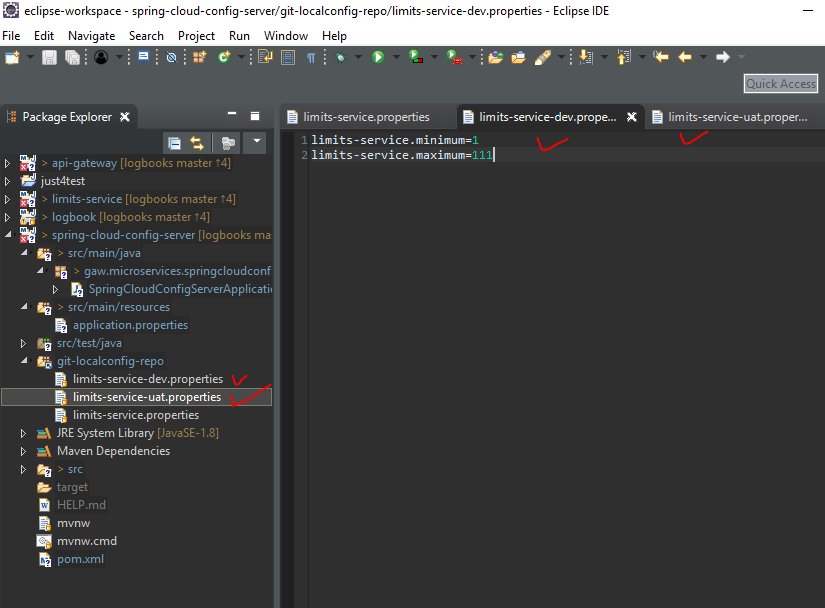
Copy uri-nya ke config application.properties



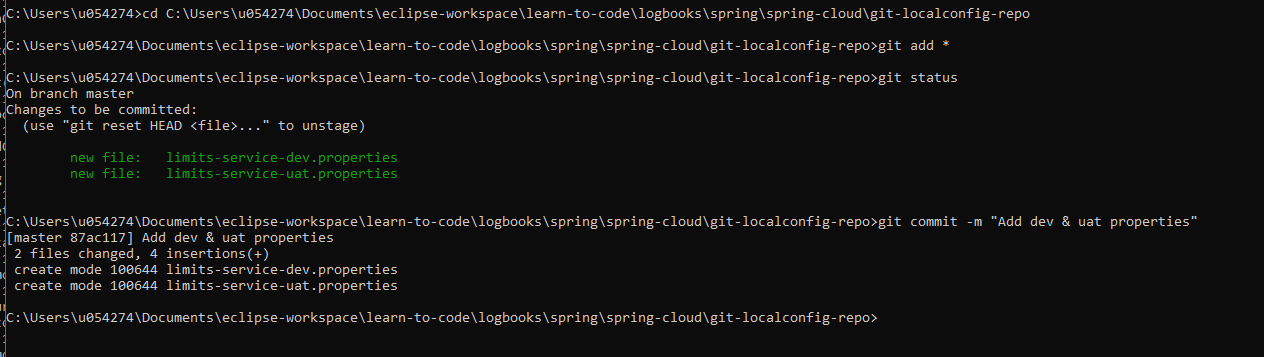


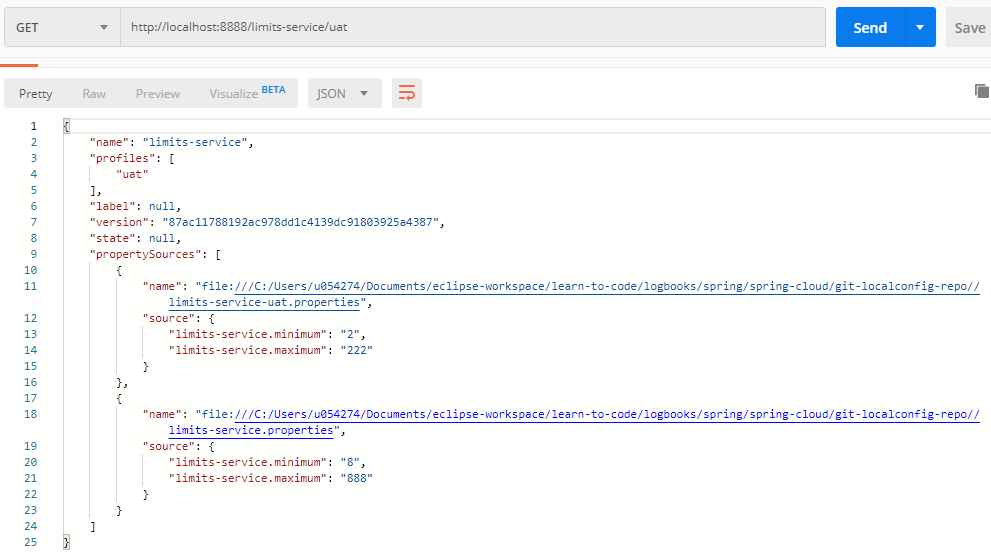
**Configuration for Multiple Environments in Git Repository**

Duplicate file properties



git commit

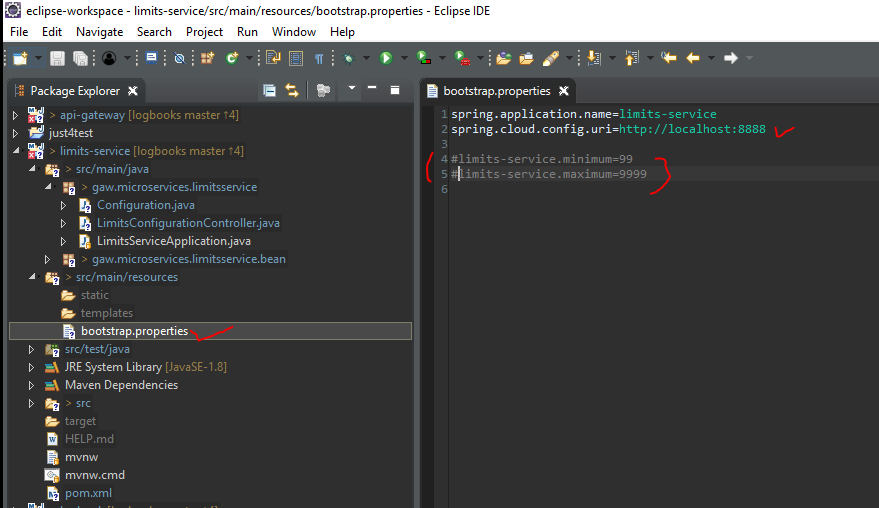


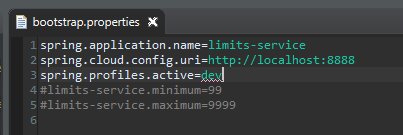


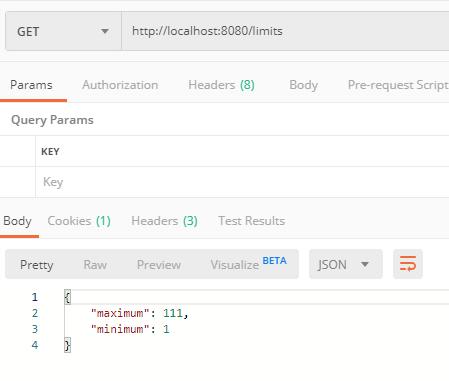
**Connect Limits Service to Spring Cloud Config Server**

rename file ‘application.properties’ 🡪 ‘bootstrap.properties’

hapus config sebelumnya

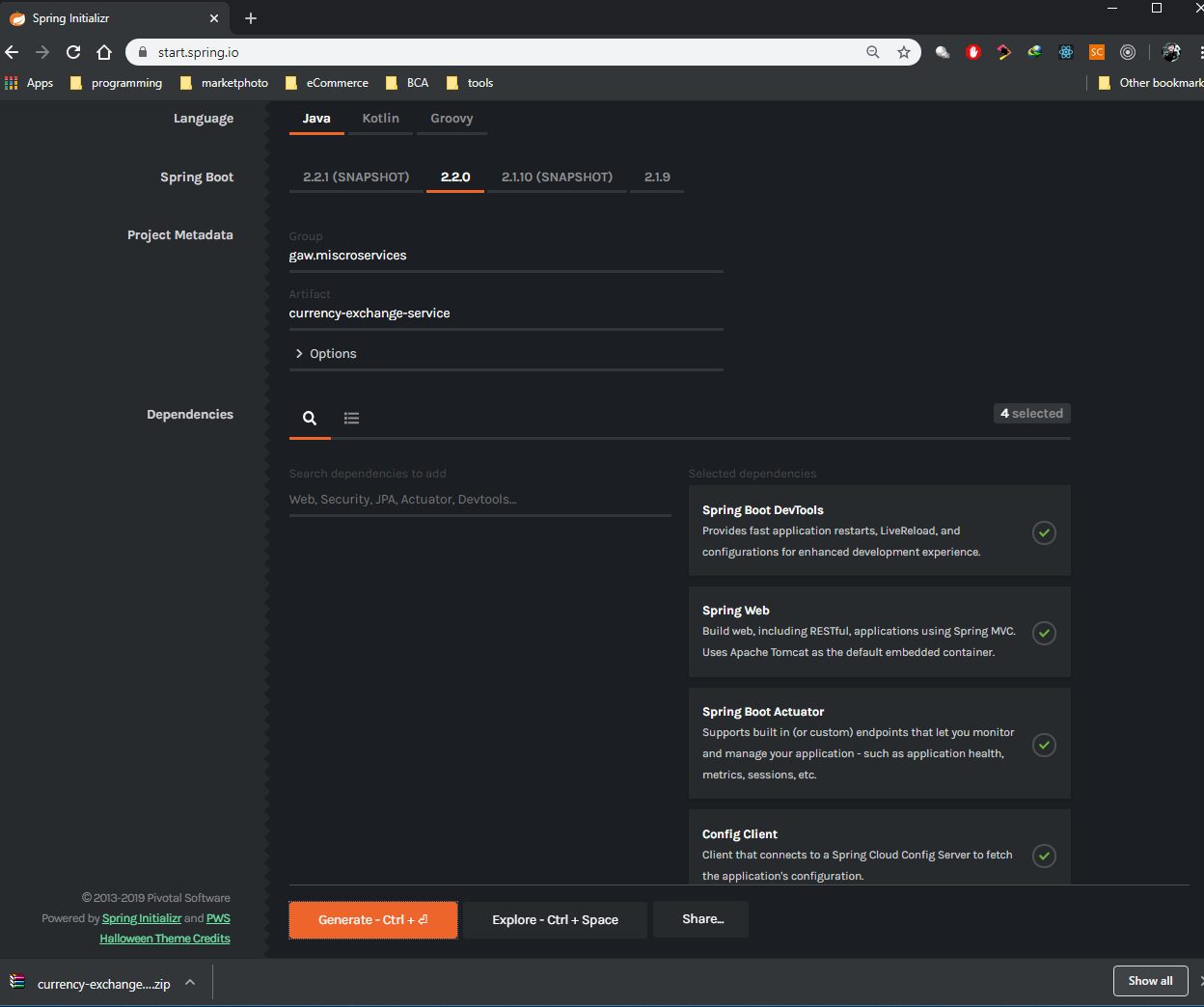


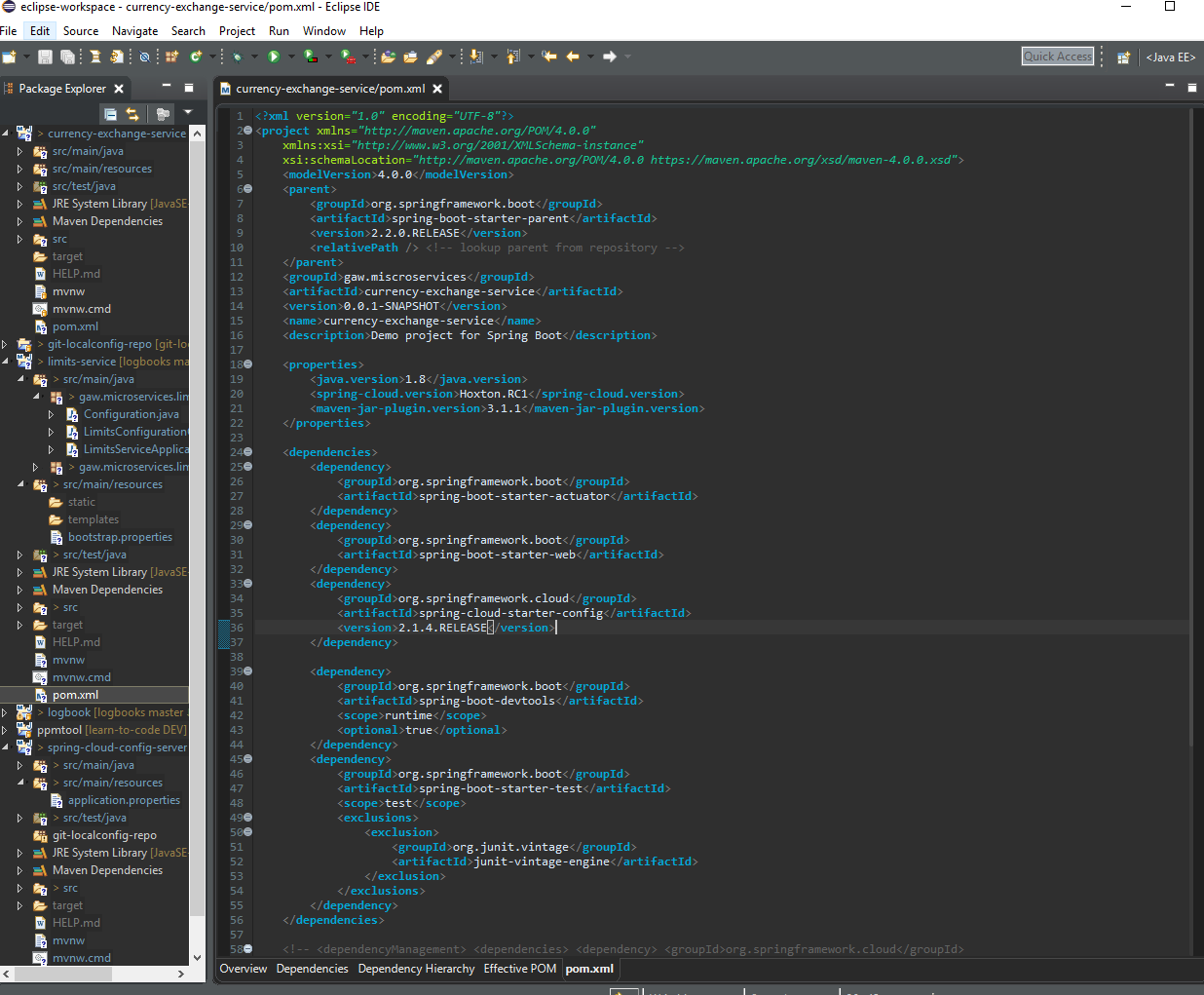


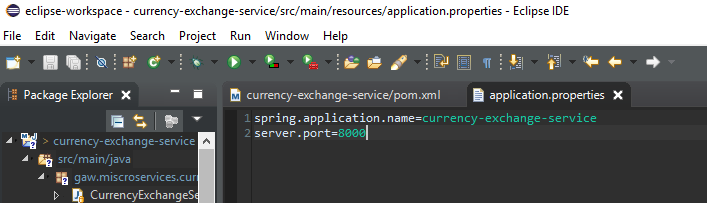


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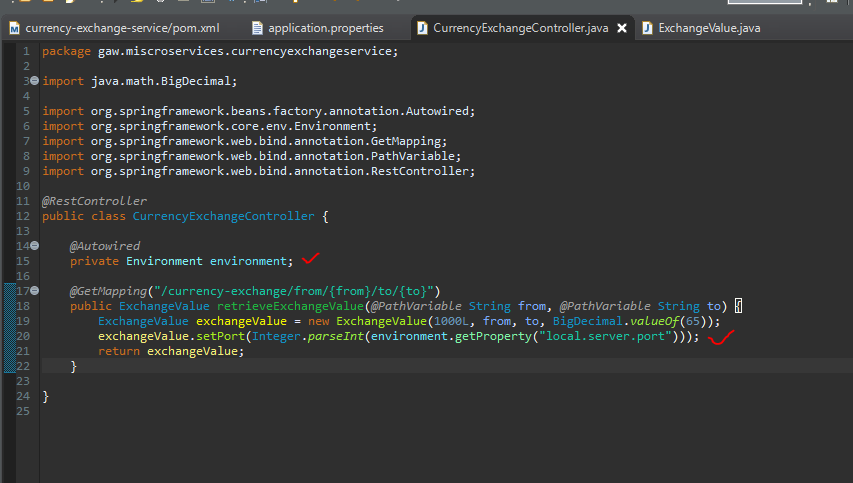
Create a simple hard coded currency exchange service

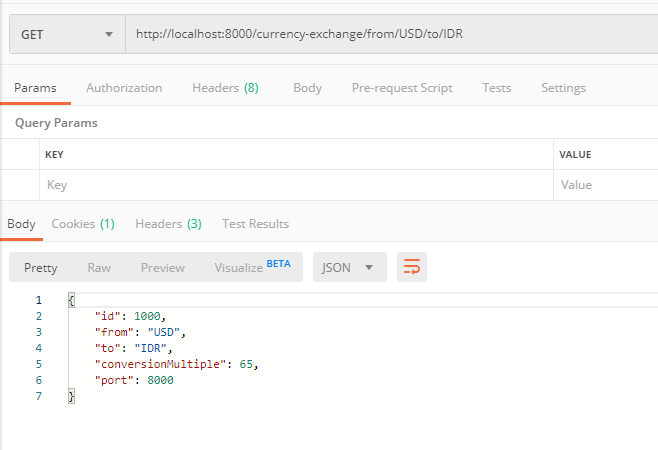






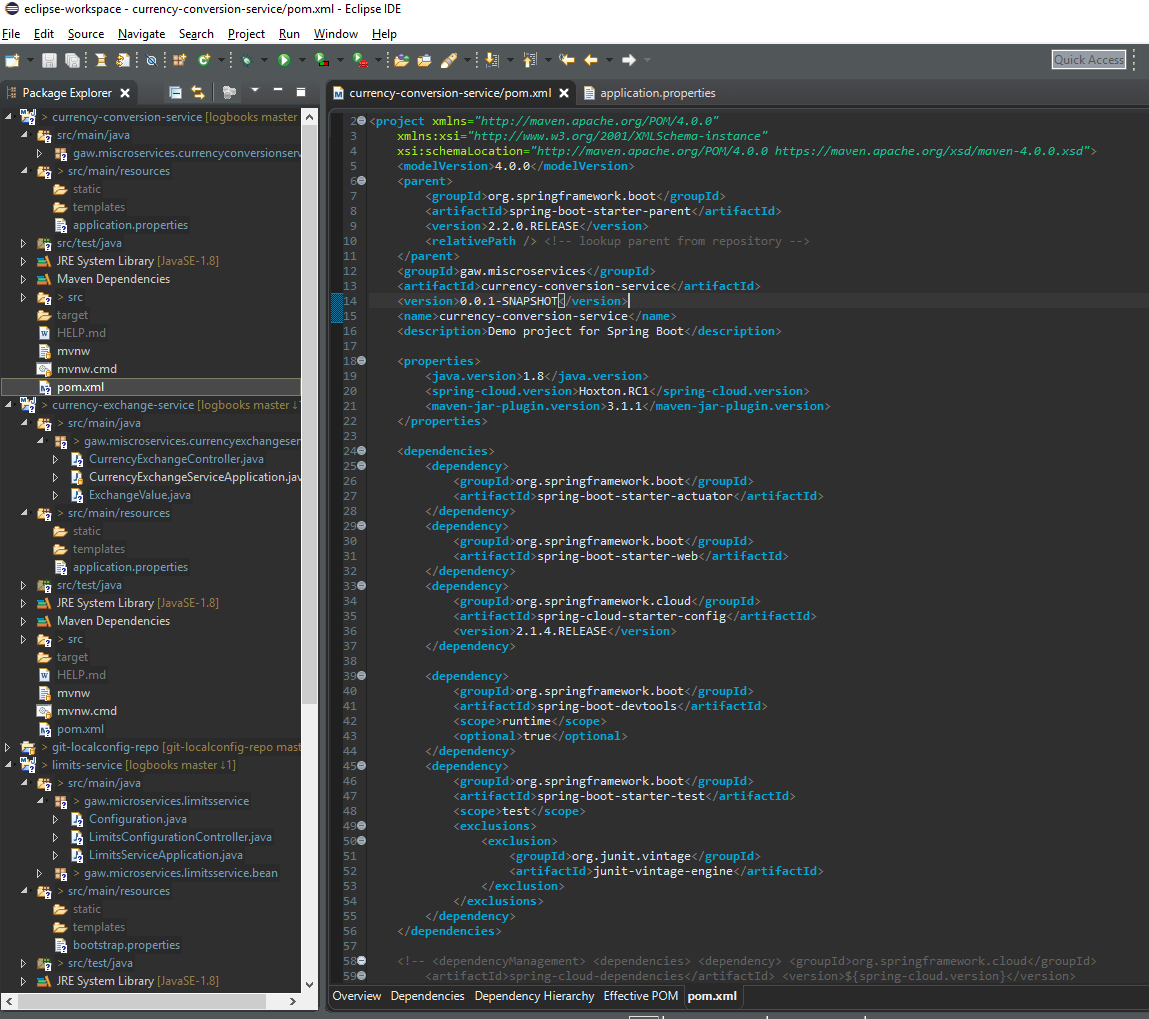
Setting up Dynamic Port in the Response

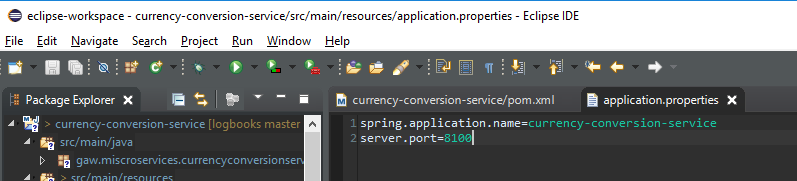


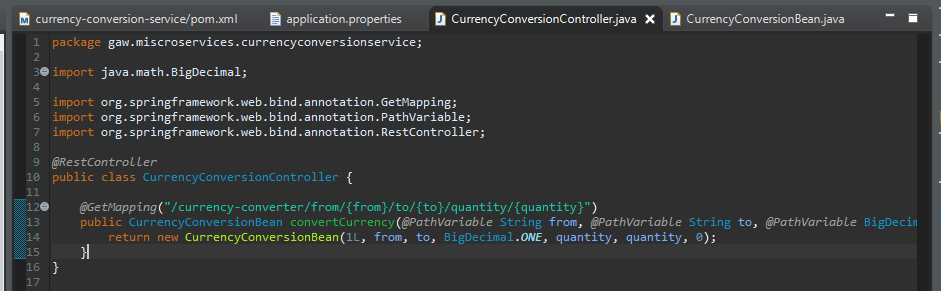


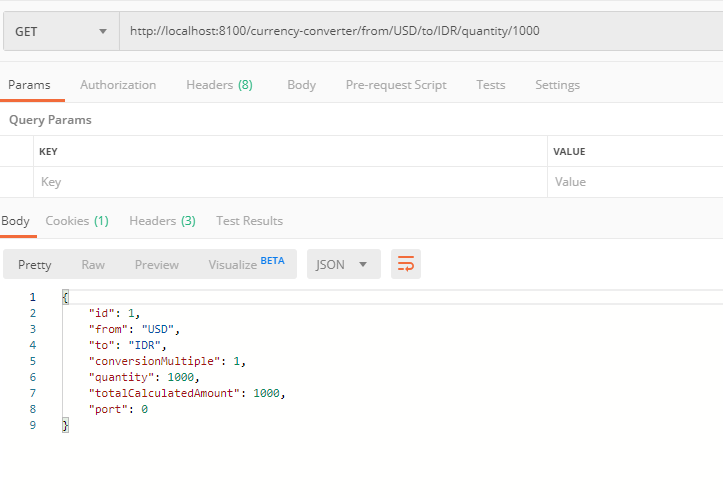
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Create a currency conversion service

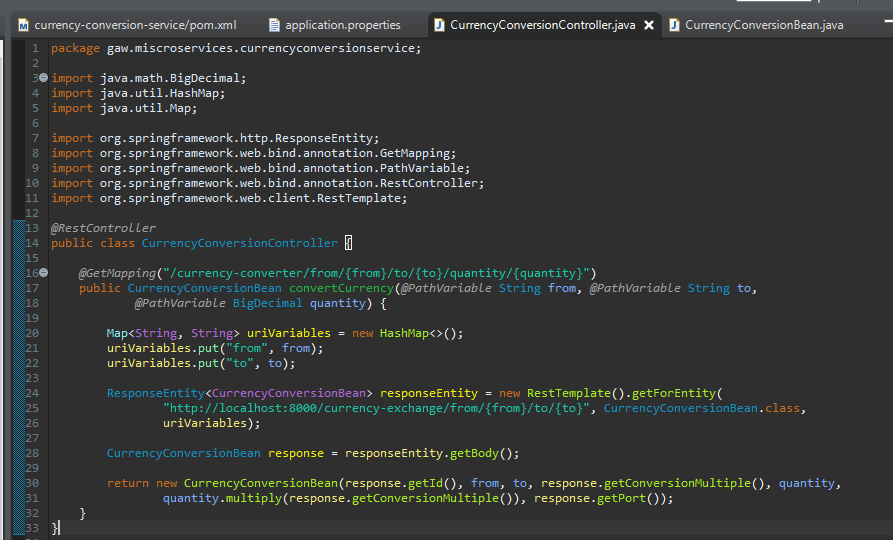


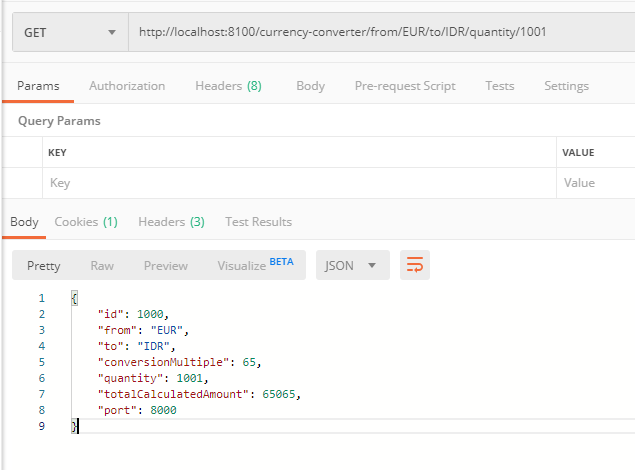


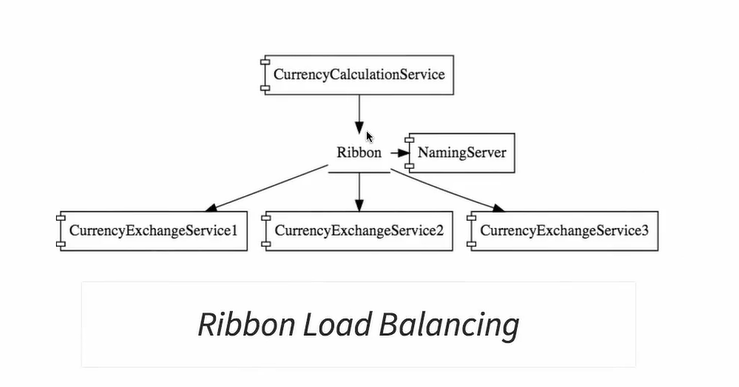
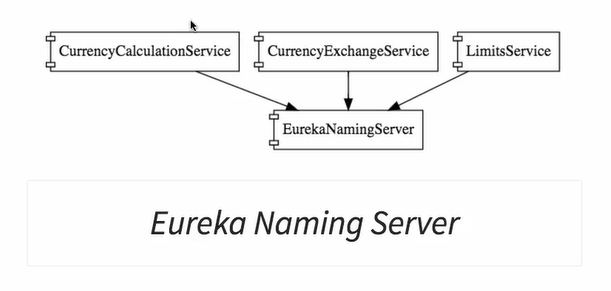


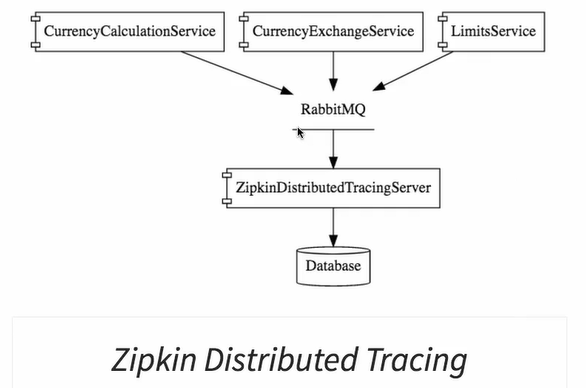


**Invoking Currency Exchange Microservice from Currency Conversion Microservice**

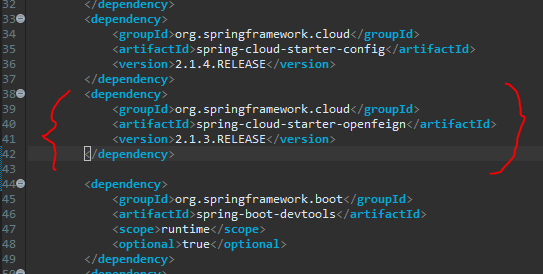


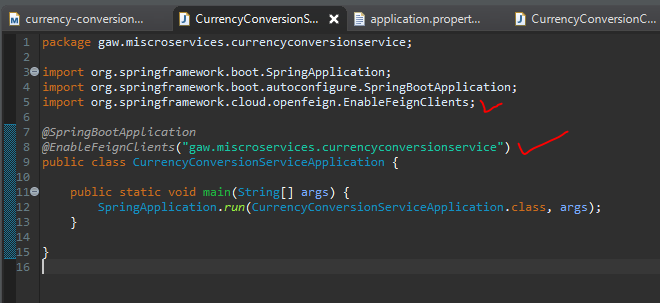




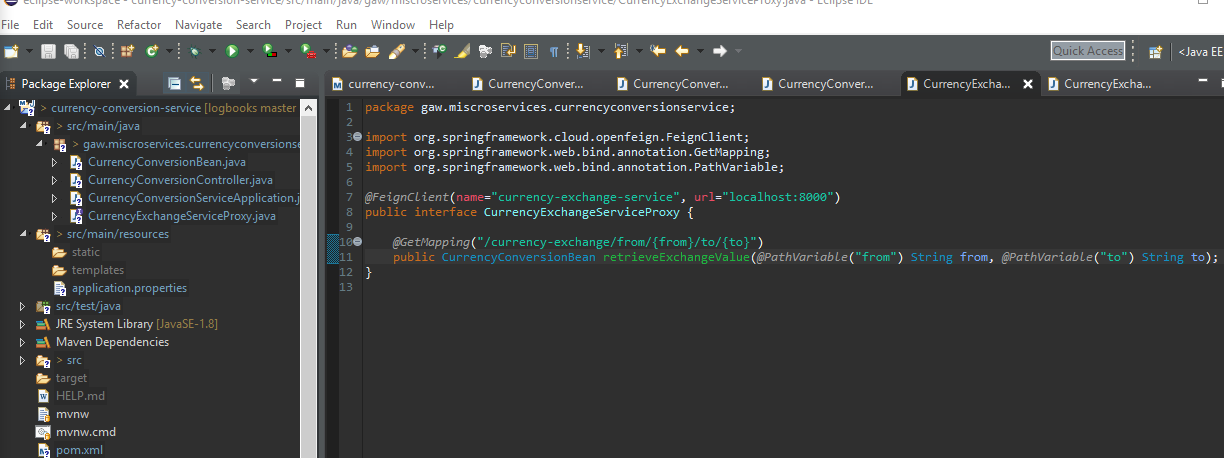


**Using Feign REST Client for Service Invocation**

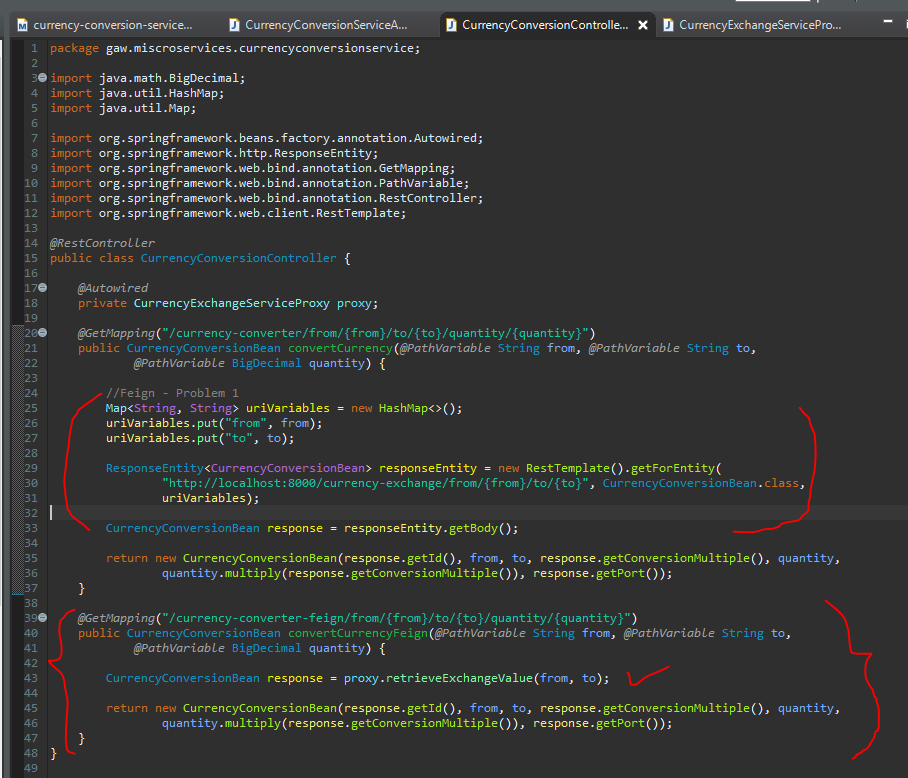


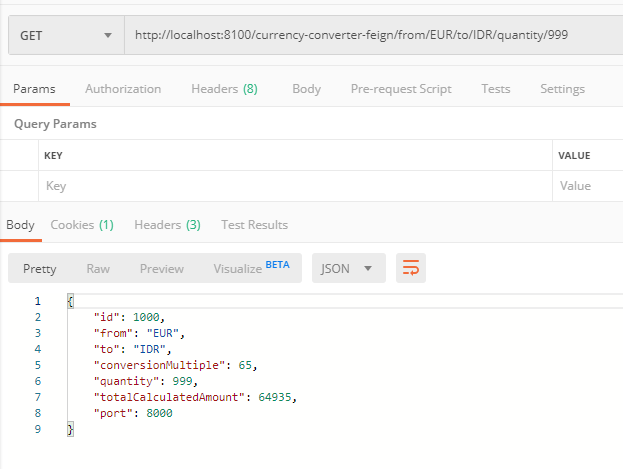


Create interface dengan method sama seperti class yang akan di-invoke, tapi beda return class nya aja

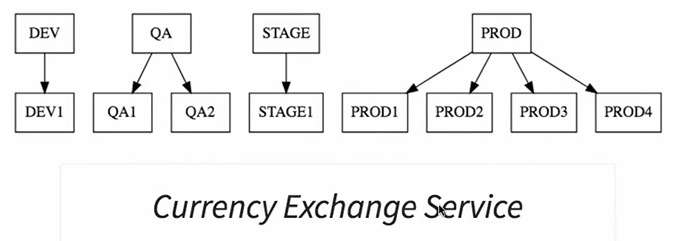
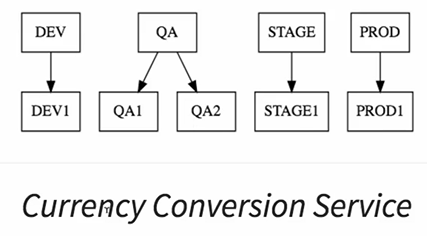


Lihat perbandingannya

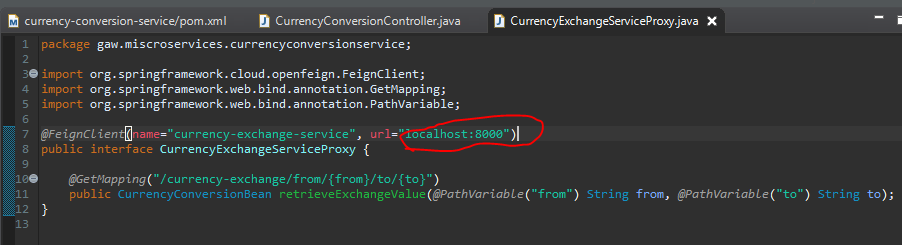




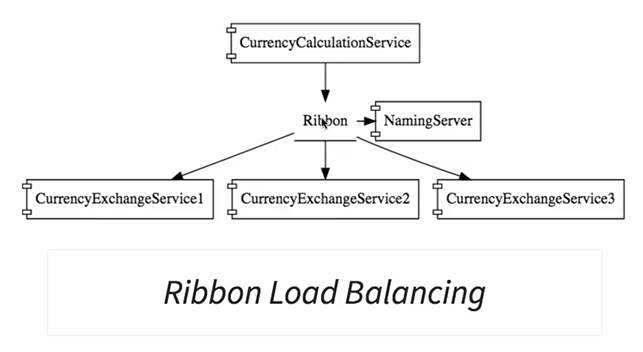
**Client side load balancing with Ribbon**

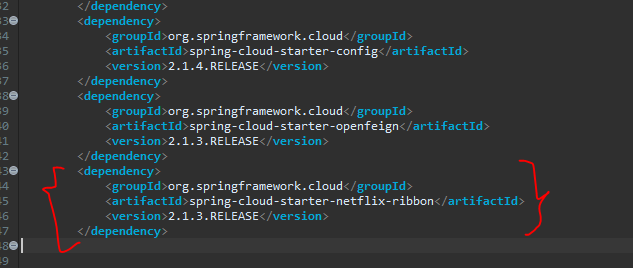


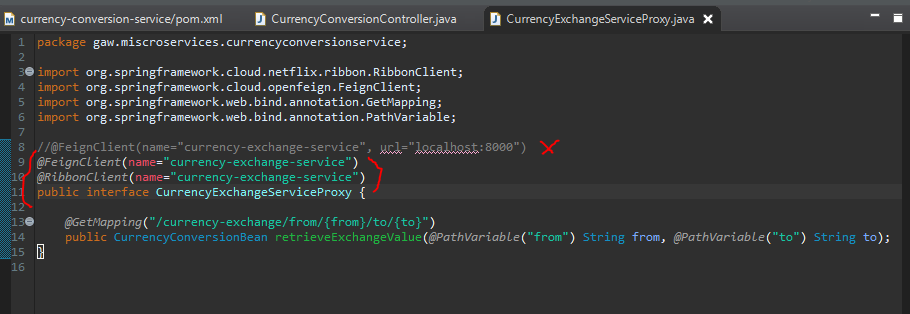
Ga mau kan hardcoded ini?



Makanya ada ini



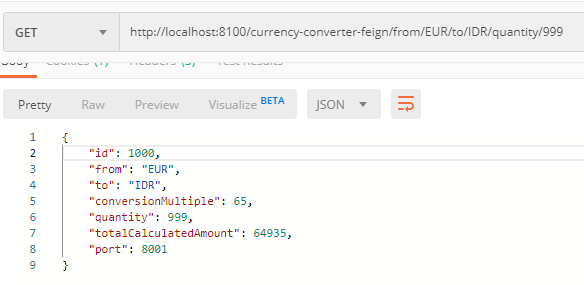
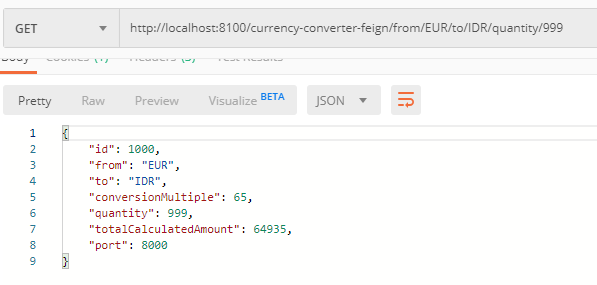




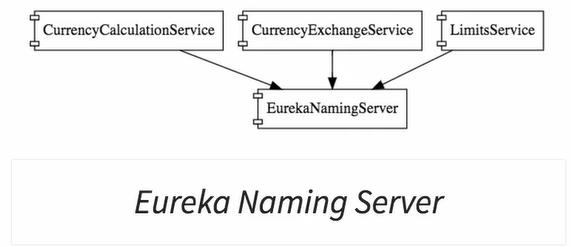


Execute currency exchange microservice 2 instance:  
>java -jar target\currency-exchange-service.jar (port: 8000 – default settingan application.properties)

> java -Dserver.port=8001 -jar target\currency-exchange-service.jar (port: 8001)

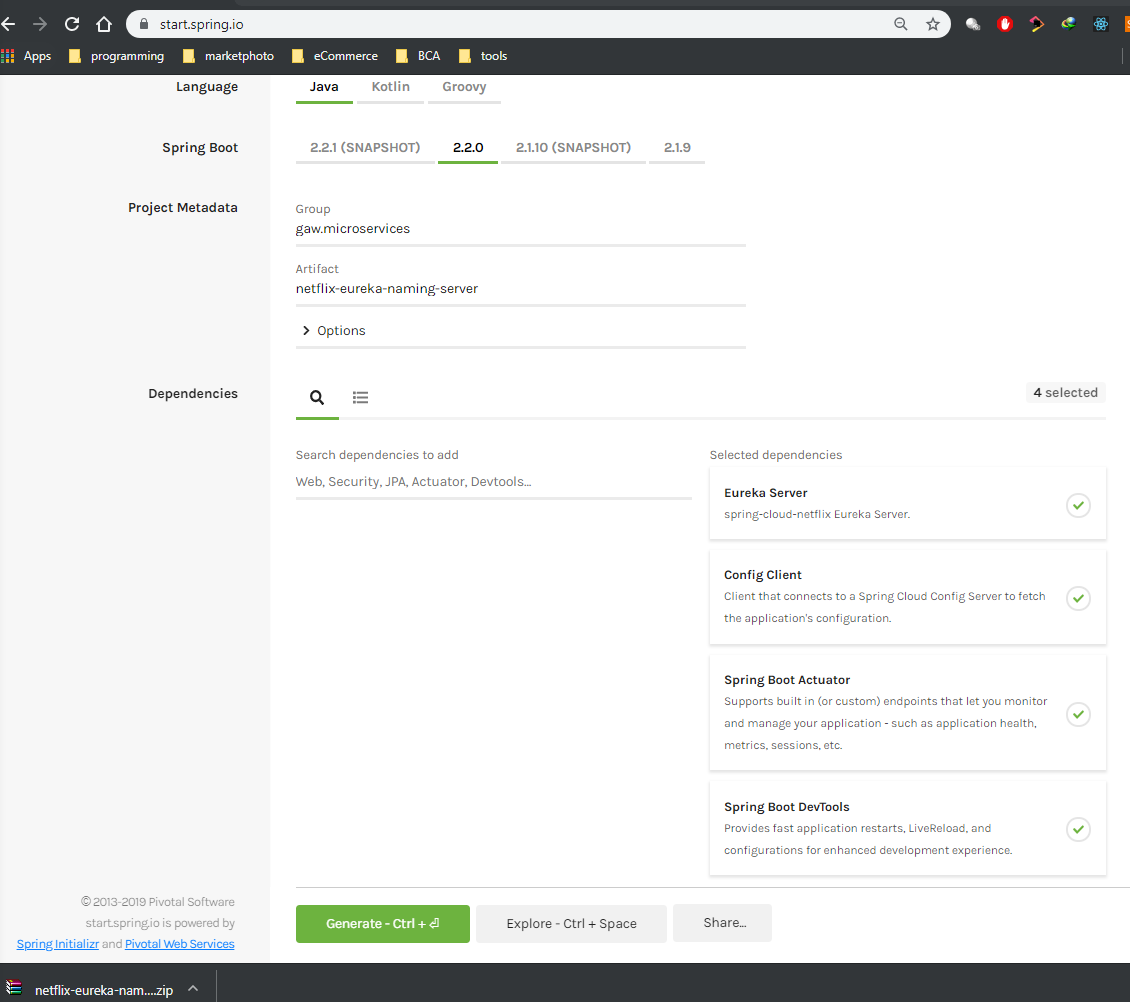
Problem: jika ingin nambah server atau nambah instance microservices, maka perlu nambah config di application.properties

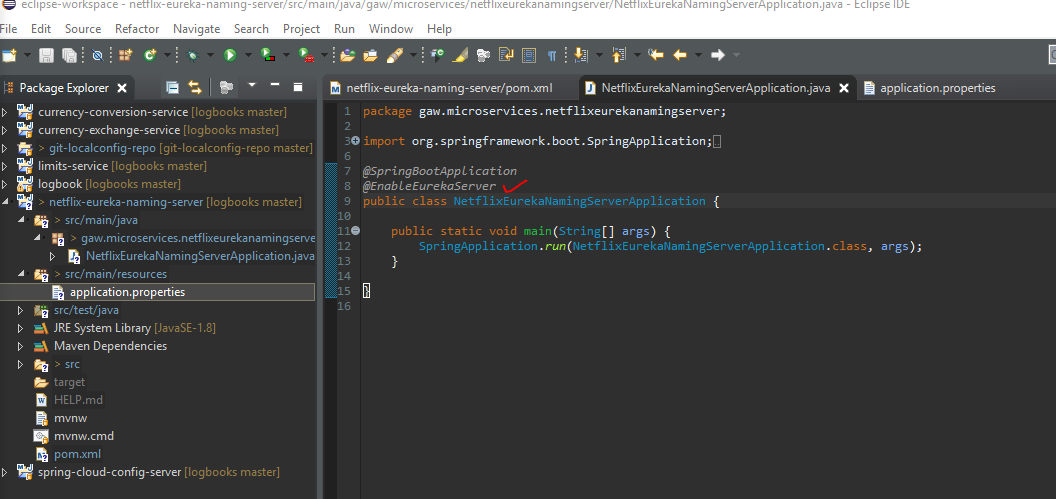


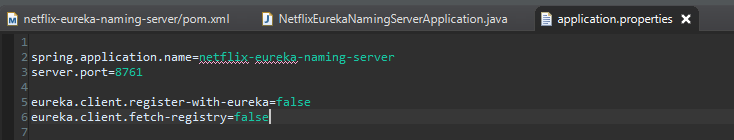
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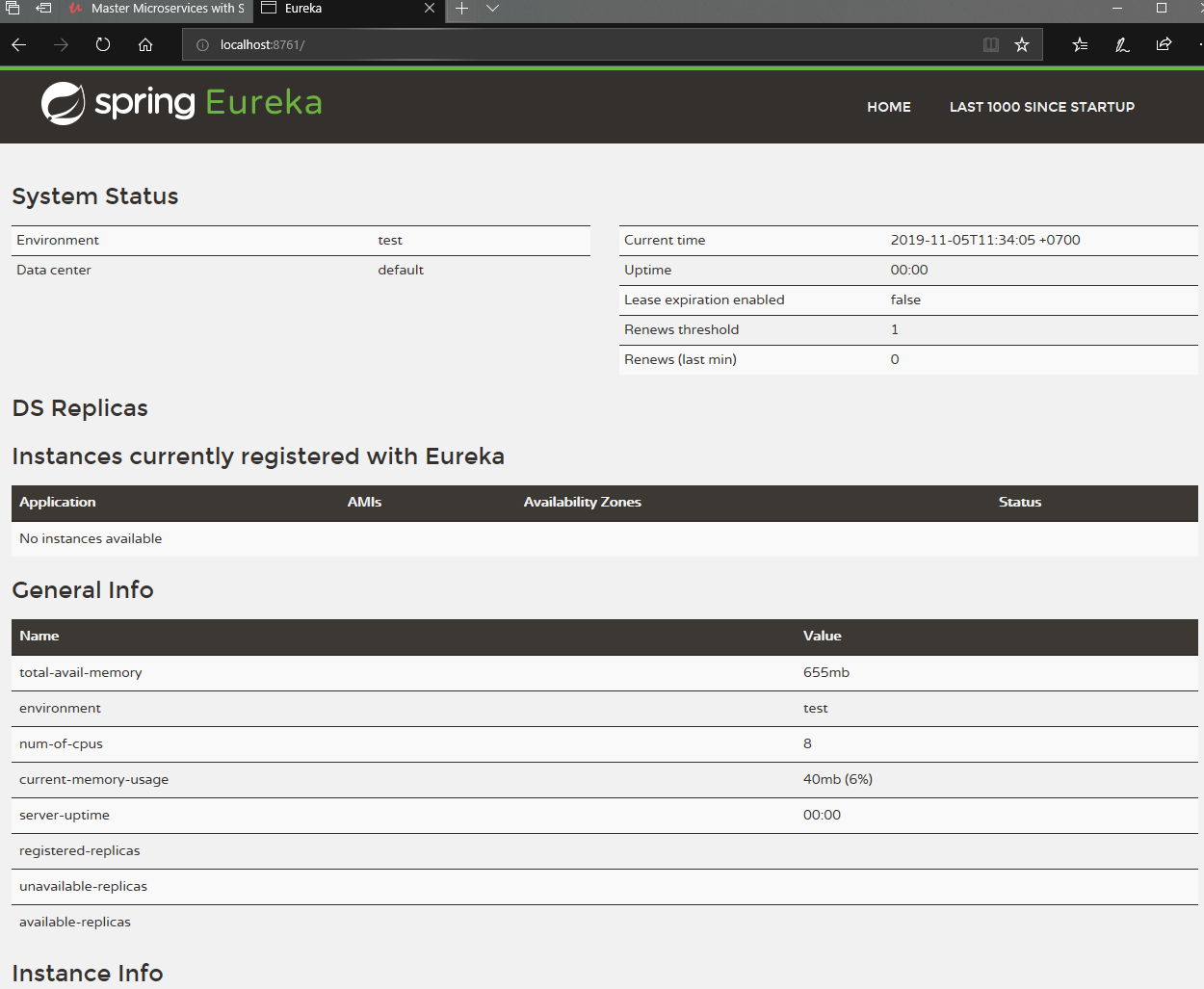
**Eureka Naming Server**

Create component for the Naming Server

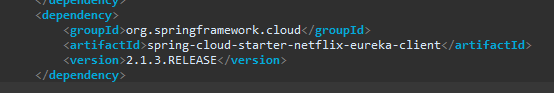


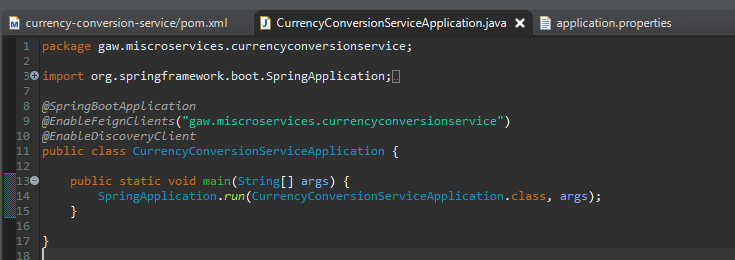


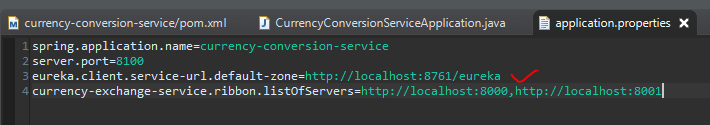




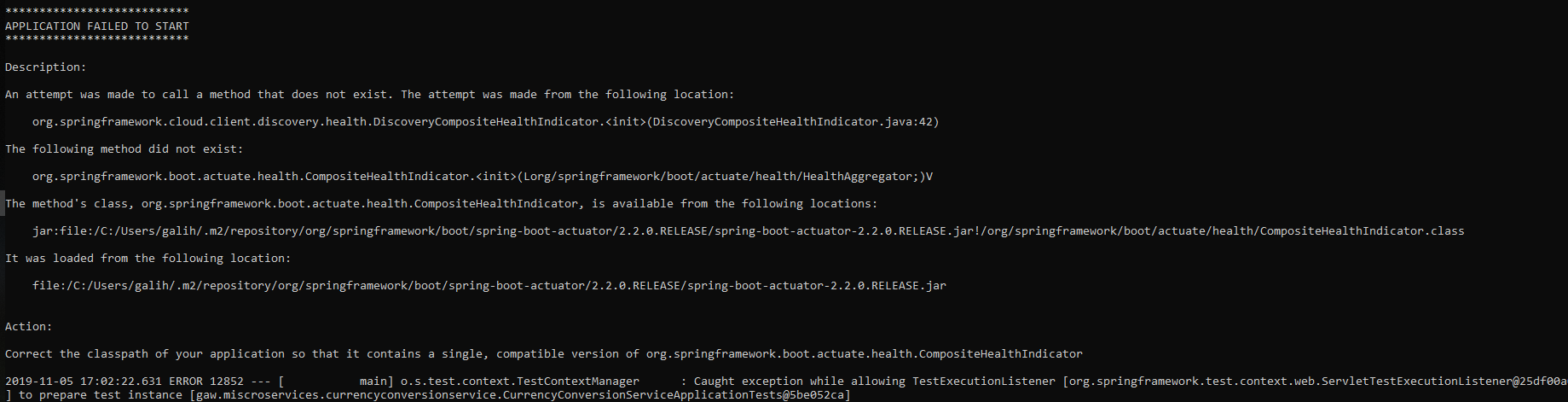
**Connecting Currency Conversion Microservice to Eureka**



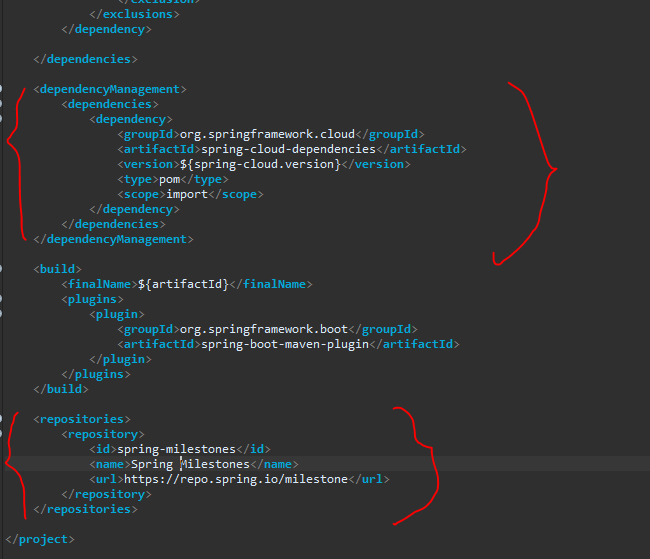




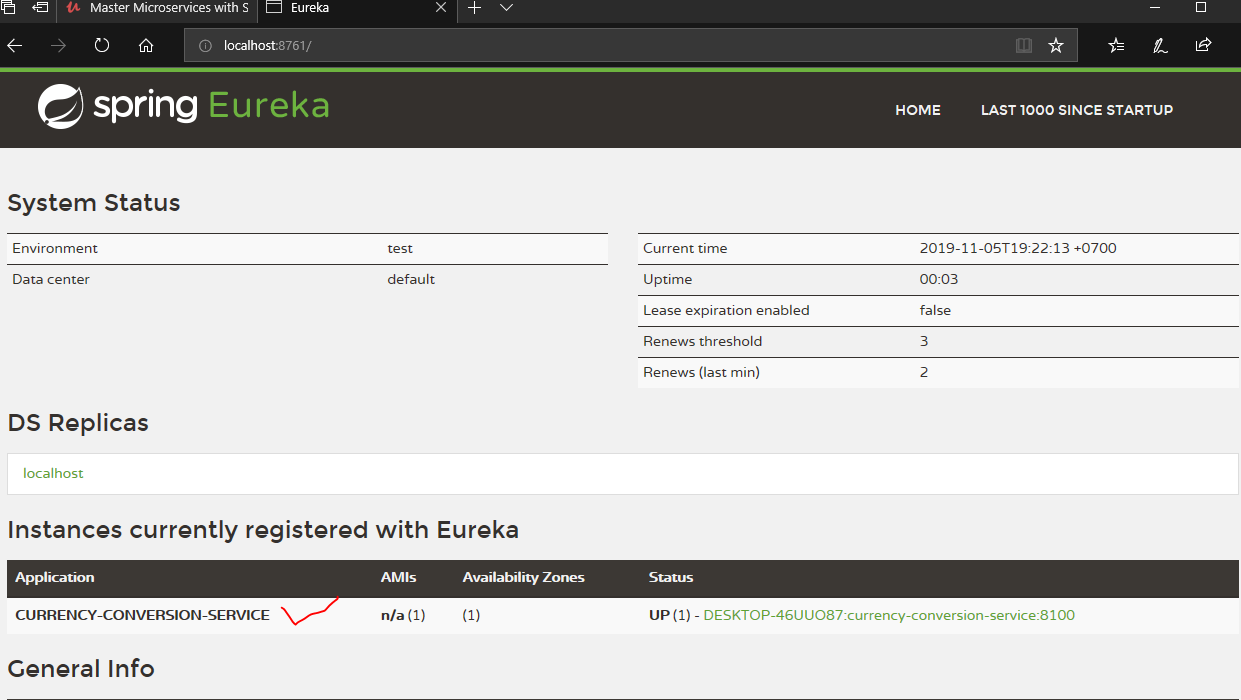
Pas compile Currency Conversion Microservice:



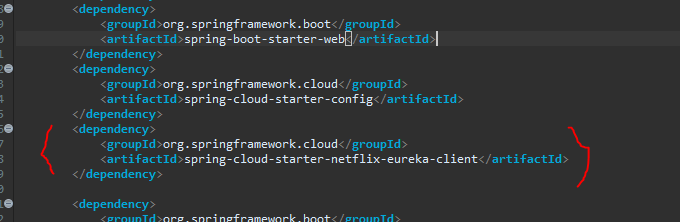
Solusi: enable lagi dependency managememt & repositories 🡪 balikin ke dafault

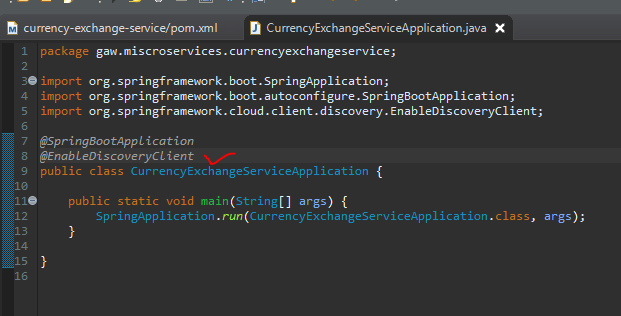


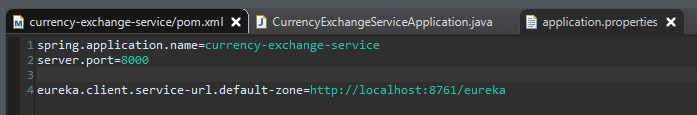


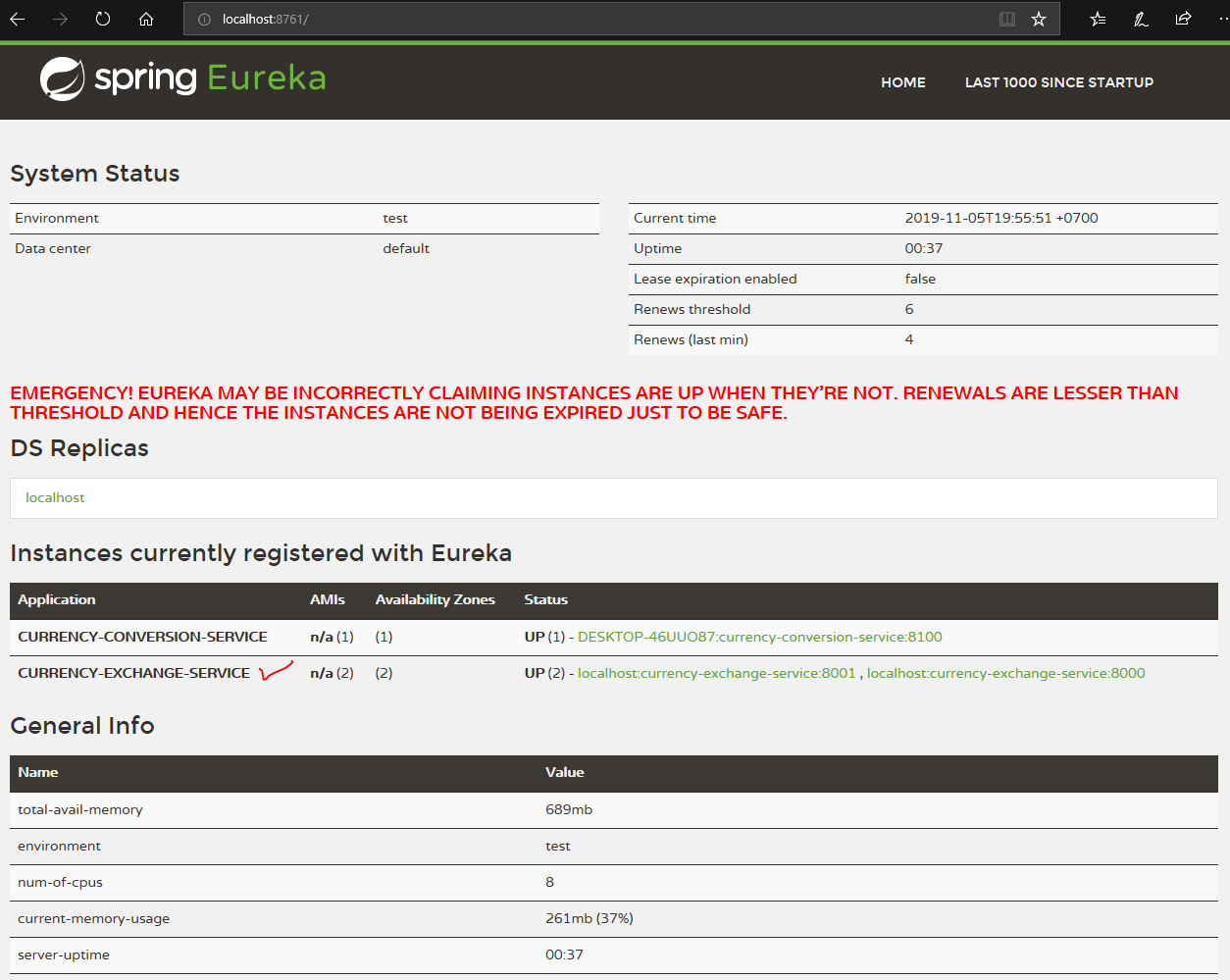


**Connecting Currency Exchange Microservice to Eureka**



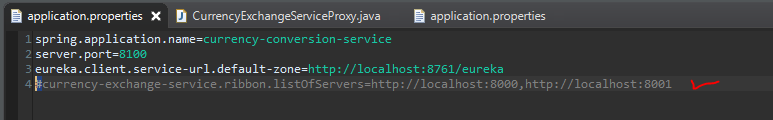


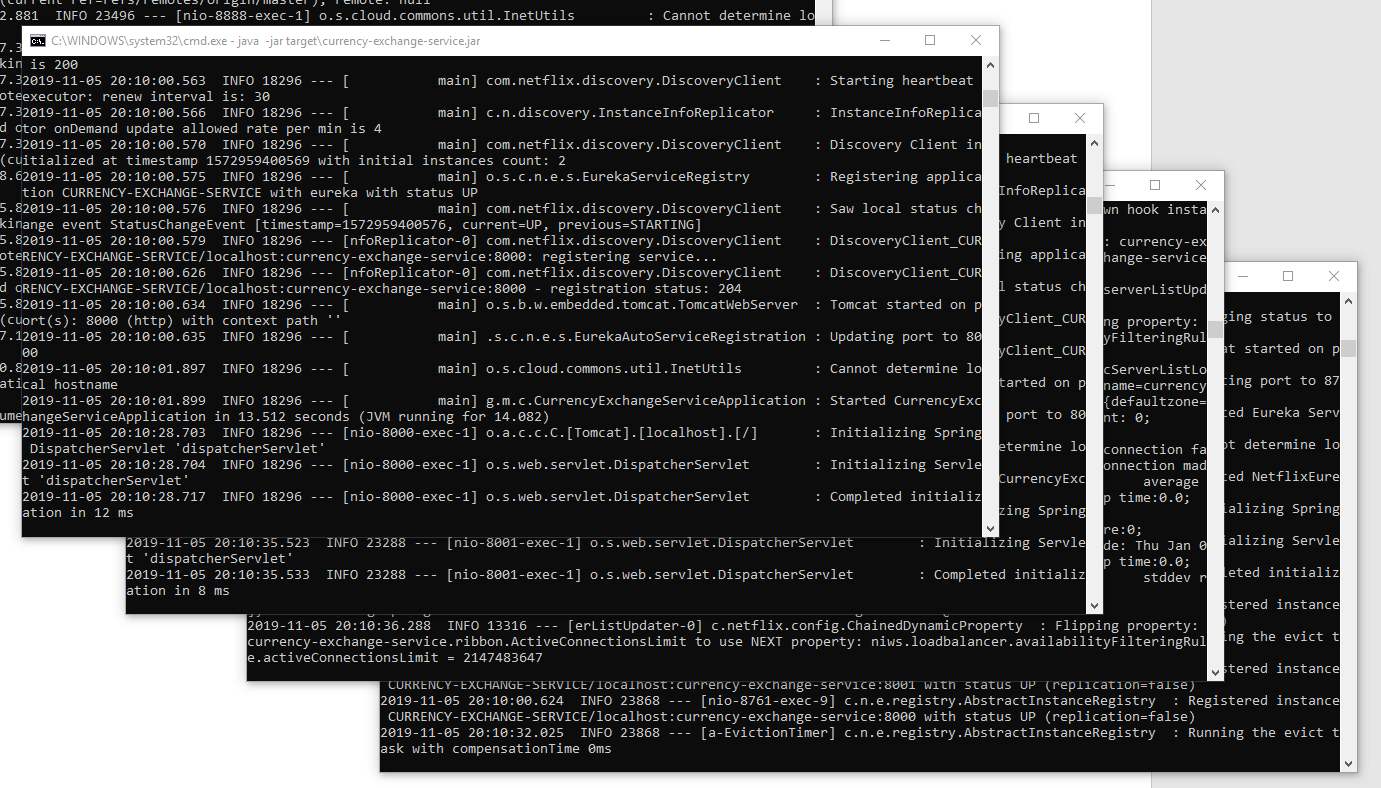


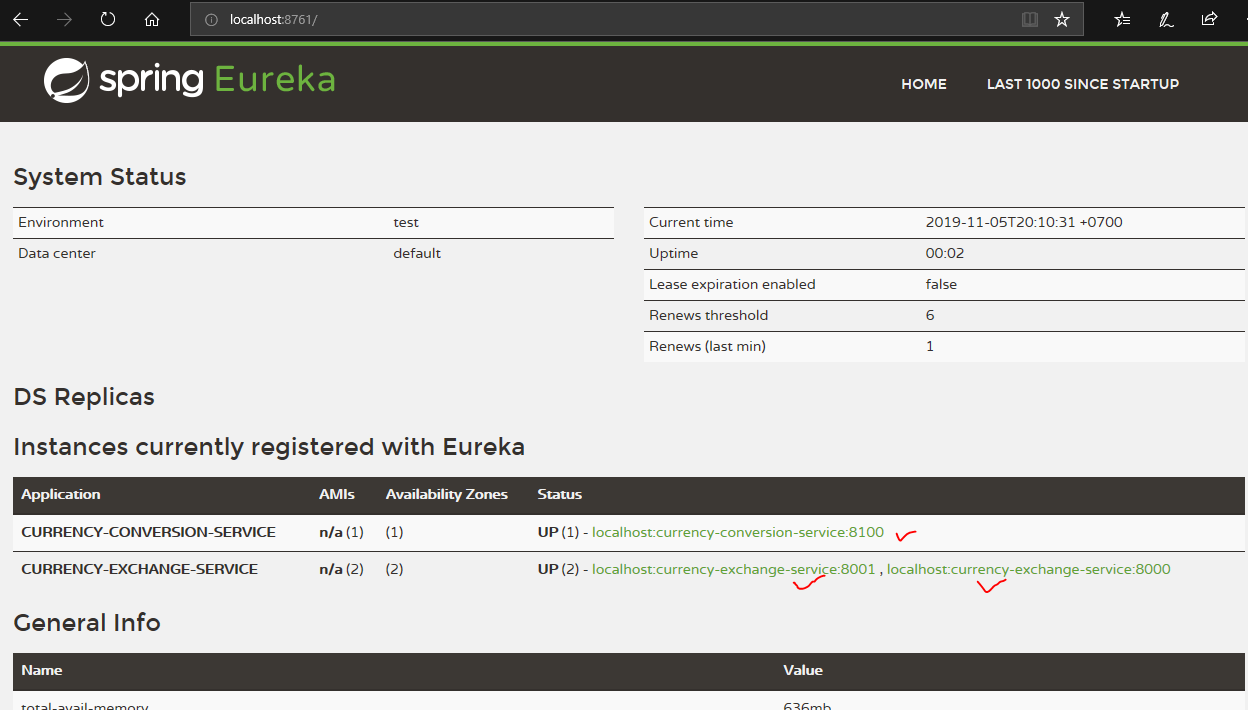


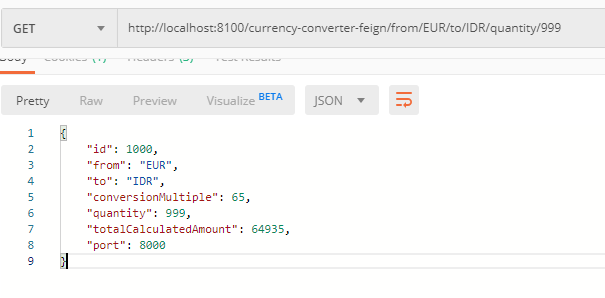
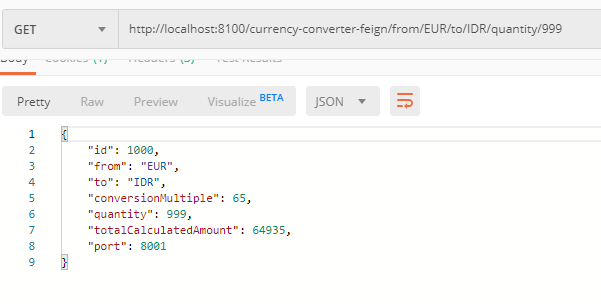
**Distributing calls using Eureka and Ribbon**

Disable aja listOfServer di CurrencyConversionService/application.properties







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**API GATEWAY**

