* Use case

A screenshot of a graph paper

Description automatically generated

* Class Diagram

A diagram of a product

Description automatically generated

* System ER

A diagram of a product

Description automatically generated

Architecture

A diagram of a software company

Description automatically generated

* Check the config for any microservice:

http://<config\_server\_ip>:<config\_server\_port>/<spring.application.name>/defaults

(<http://localhost:9101/microservice-products/defaults>)

A screenshot of a computer program

Description automatically generated

* Config for the gateway-server (<http://localhost:9101/gateway-server/defaults>)

A screen shot of a computer code

Description automatically generated

* Run the application
  + Start docker-compose

A screenshot of a computer program

Description automatically generated

A screen shot of a computer program

Description automatically generated

* + Start config-server (1)
  + Start eureka-server (2)
  + Start gateway-server (3)
  + Start different microservices (clientui, security, products, shipping, …)
* Eureka Dashboard (<http://localhost:8761>)

A screenshot of a computer

Description automatically generated

* Zipkin Dashboard (<http://zipkin/>)

A screenshot of a computer

Description automatically generated

* Generate the security tokens (access-token/refresh-token)

A screenshot of a computer

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* Get products list using the access-token

A screenshot of a computer program

Description automatically generated

* Get shipping list using the access-token (the admin only can access this list)

A screenshot of a computer

Description automatically generated

* Create a shipping

A screenshot of a computer

Description automatically generated