

Microservices

MICROSHOP

Présentation des nouvelles features / ajouts

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Objectif initial

Schéma architecture
implémentée (nos
microservices)

Schéma archi docker + wait
for

Schéma remplacement reverse proxy nginx par traefik

ajouts front angular

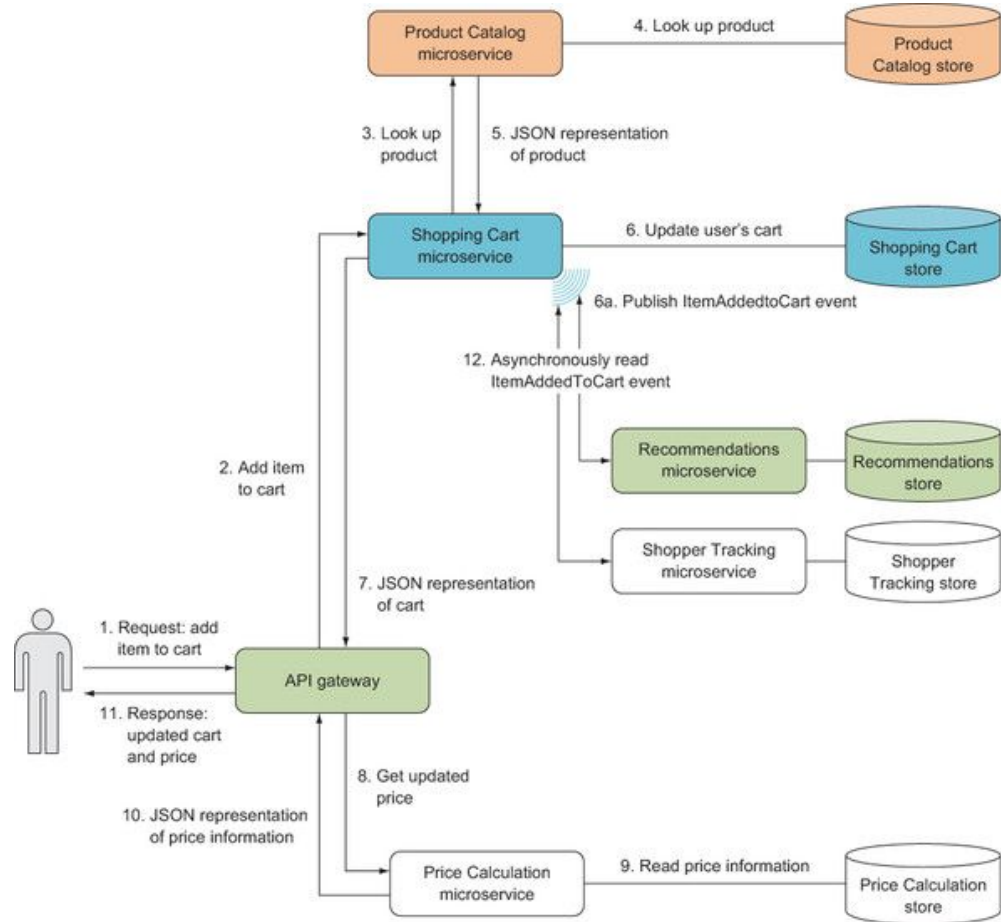
Schéma authentication JWT

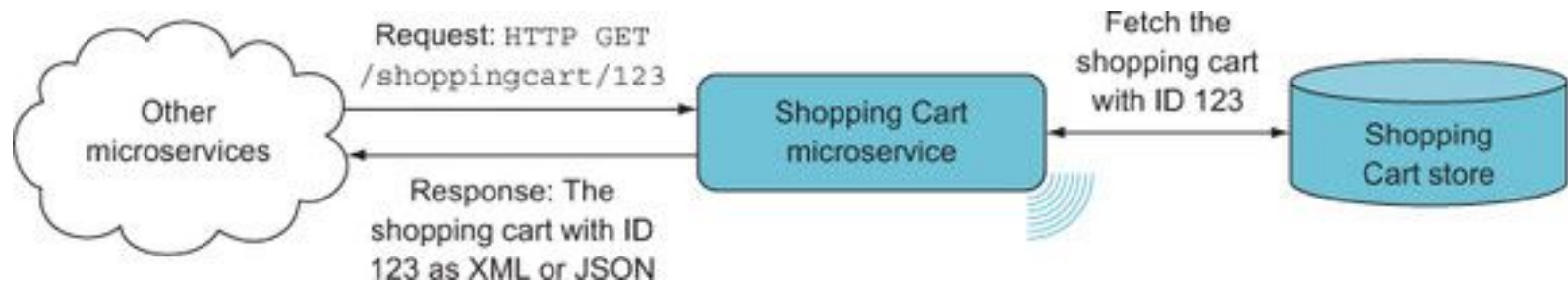
Support de présentation de
l'oral du 09/02/2021

Microservices

MICROSHOP

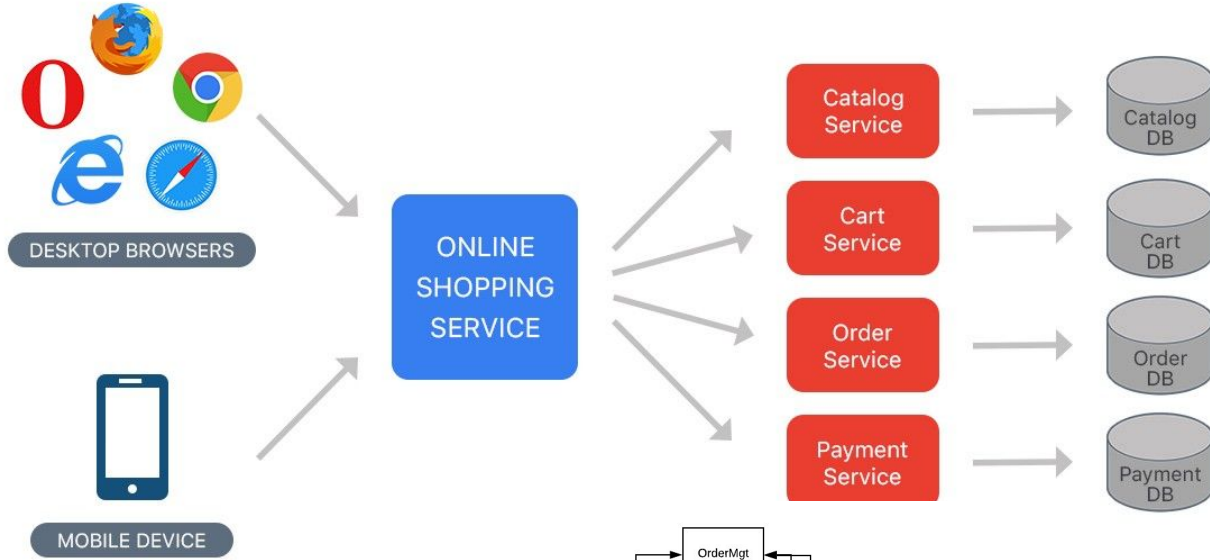
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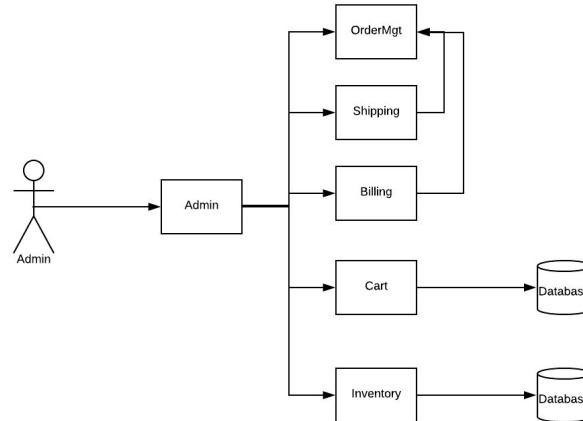


Principe

Front-office



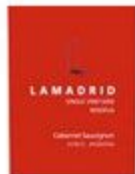
Back-office



UX Design

655 Results

Sort By: Most Popular



Lamadrid Cabernet Sauvignon Reserva 2011

Cabernet Sauvignon from Argentina, South America



WW 95

★★★★★(1)

~~\$20.00~~ **\$14.99**

Save \$5.01 (25%)

1

Add to Cart

Ships Thu, Oct 8



Dona Paula Black Edition Red Blend 2012

Bordeaux Red Blends from Argentina, South America



JS 94

★★★★☆(27)

~~\$17.00~~ **\$14.99**

Save \$2.01 (12%)

1

Add to Cart

Ships Mon, Oct 5



Meiomi Pinot Noir 2013

Pinot Noir from California



WS 92

★★★★☆(24)

~~\$22.00~~ **\$19.99**

Save \$2.01 (9%)

1

Add to Cart

Ships Mon, Oct 5



Substance Cabernet Sauvignon 2013

Cabernet Sauvignon from Columbia Valley, Washington



RP 92

★★★★☆(2)

\$16.99

1

Add to Cart

Ships Mon, Oct 5

UX Design

ORDER PLACED
June 18, 2015

TOTAL

SHIP TO
Peter Dushenski ▾

ORDER # XXXXXXXXXX
[Order Details](#) | [Invoice](#)

Delivered

Your package was delivered. Please look in your mailbox or wherever you typically get mail.

Delivered on: Friday, July 10, 2015



2 of Bathroom Tissue, 2 ply, 12 pack, 300 sheets/roll (Pack of 4)

Sold by: Amazon.com.ca, Inc.

CDN\$ 39.99

Buy it Again

Track package

Return or replace items

Leave package/delivery feedback

Write a product review

Preparing for Shipment

Delivery estimate: **Wednesday, July 15, 2015 - Tuesday, July 21, 2015 by 8:00pm**



Seventh Generation, 100% Recycled Paper Towels - Unbleached, 140 sheets/roll (Pack of 4)

Sold by: Amazon.com.ca, Inc.

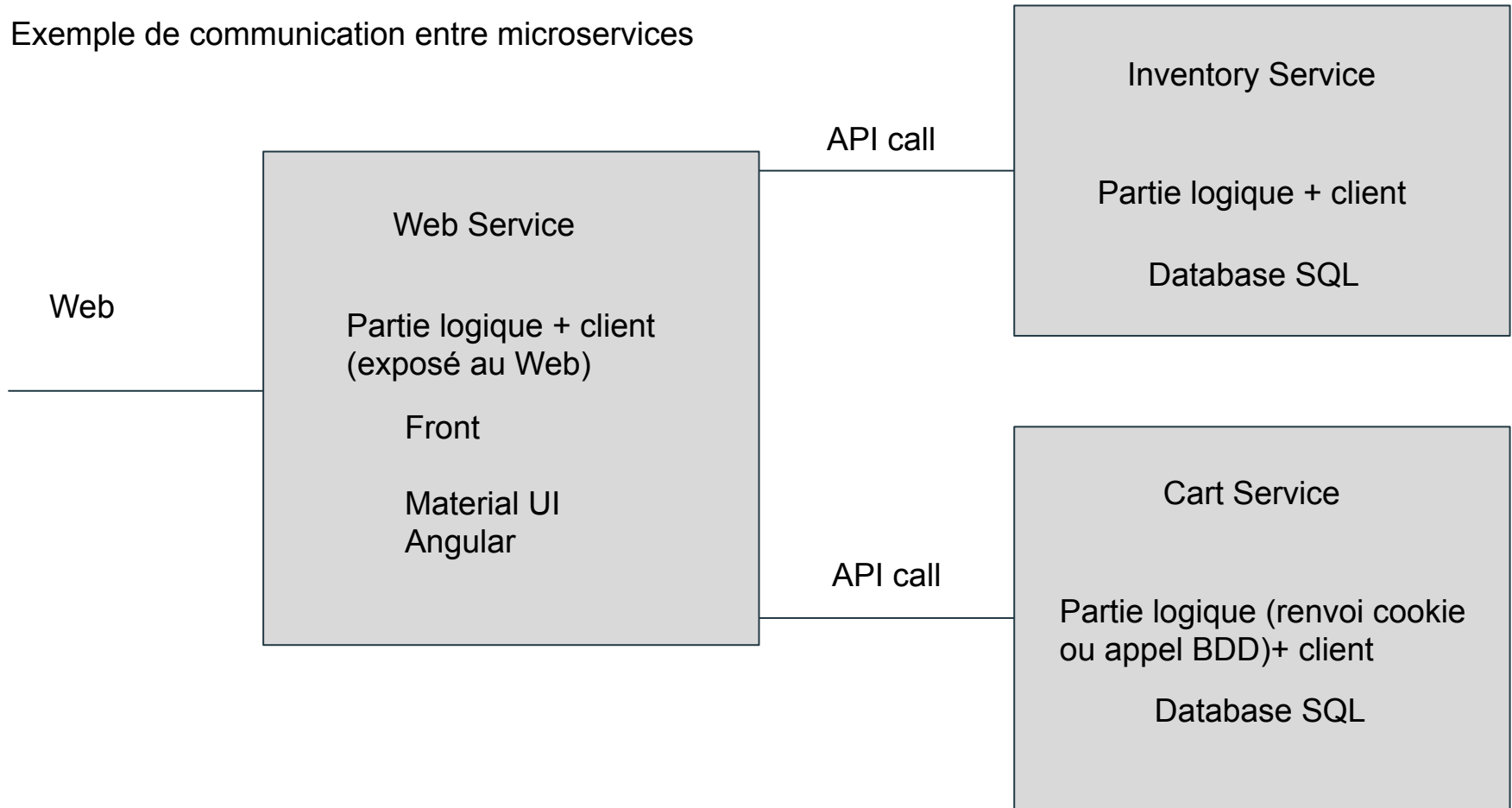
CDN\$ 55.96

Buy it Again

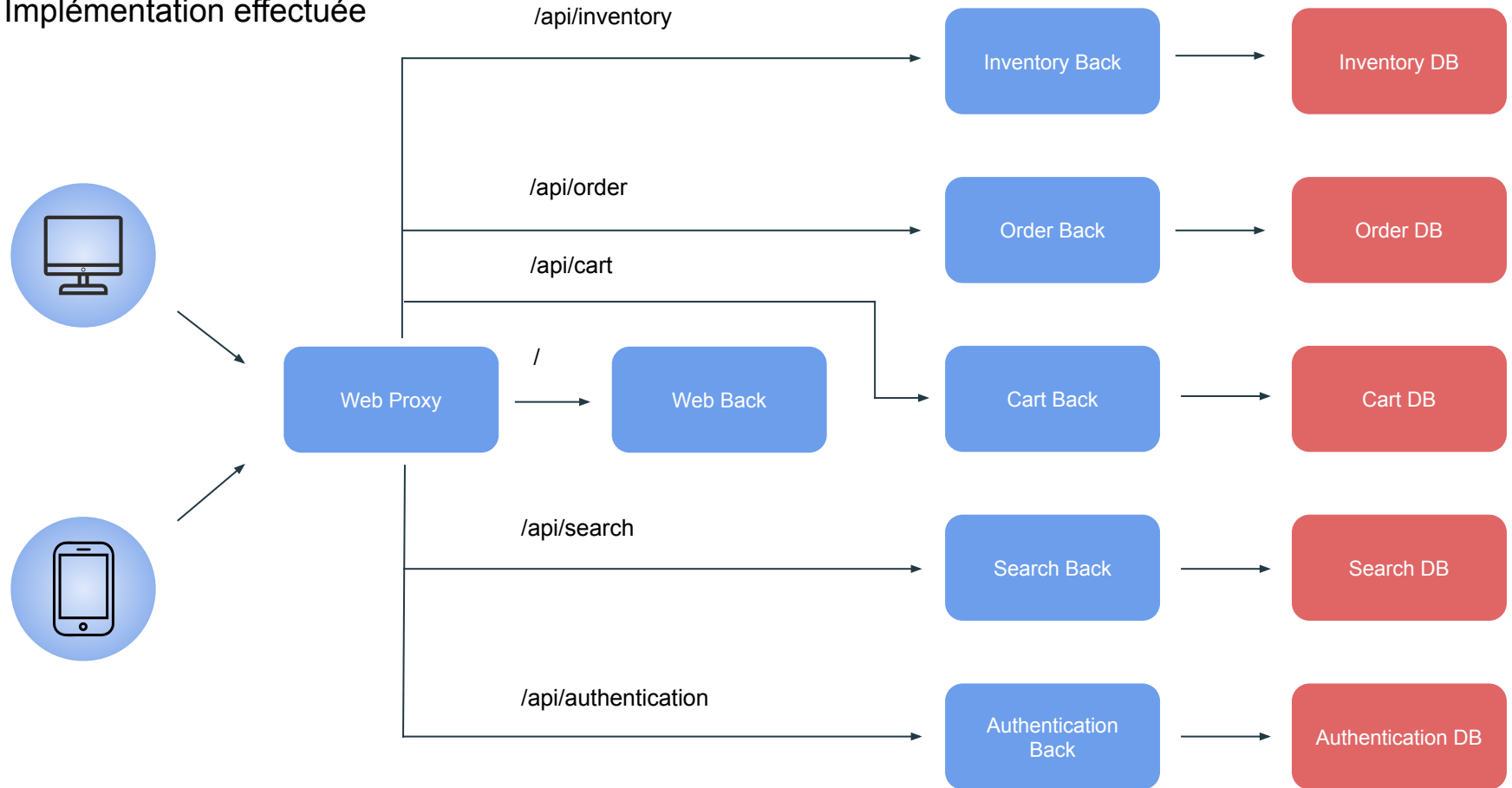
Track package

Request Cancellation

Exemple de communication entre microservices



Implémentation effectuée



endpoint : /

Web Service

Frontend

ProductService

- Product[] : getProducts()

OrderService

- Order[] : getOrders()

CartService

- Cart[] : getCarts()

AuthenticationService

- User[] : getUsers()

Web proxy

localhost	→	web_back:5000
localhost/api/inventory	→	inventory:8000/api
localhost/api/authentication	→	authentication:8000/api
localhost/api/order	→	order:8000/api
localhost/api/search	→	search:8000/api

endpoint : /api/authentication

Authentication Service

Authentication backend

/login : userLogin (POST)
/logout : userLogout (POST)
/users : allUsers (GET)
/registration : UserRegistration (POST)

Authentication DB

Authentication

- id
- username
- email
- address
- password
- isAdmin

endpoint : /api/inventory

Inventory Service

Inventory backend

Product : getProduct(id)

list : getProducts([ids])

Stock : getProductStock(idProduct)

list : getProductsStock([ids])

addProduct(name, price, [images], qty)

updateProduct(id, price, [images], qty)

deleteProduct(id)

float : getPrice(idProduct)

float : getAmount([idProducts])

Inventory DB

Product

- id
- name
- price
- images

Stock

- id
- idProduct (clé étrangère)
- quantity

endpoint : /api/order

Order Service

Order backend

Order : getOrder(id)

list : getOrders([ids])

addOrder(idUser, products, amount)

updateOrder(id, products, amount)

deleteOrder(id)

float : getAmount()

Order DB

Order

- id

- idUser

- products

- amount

endpoint : /api/cart

Cart Service

Cart backend

Cart: getCart(id)
Cart: getCartByUser(userId)
list : getCarts()

createCart(idUser, products)
updateCart(id, products)
deleteCart(id)

Order DB

Order
- id
- idUser
- products

endpoint : (localhost)/api/inventory

Search Service

Order backend

Order : getOrder(id)

list : getOrders([ids])

addOrder(idUser, products, amount)

updateOrder(id, products, amount)

deleteOrder(id)

float : getAmount()