

Bonjour tout le monde

internet
docker.io

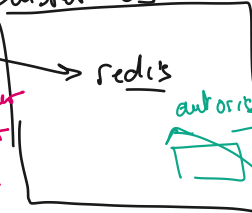


quay.io



code
maître/branch

DC La Poste
Cluster OS



valider
autorisation
en
avant

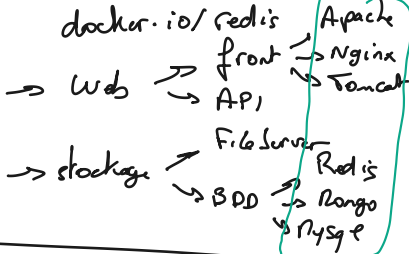
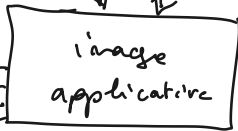
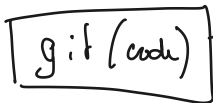
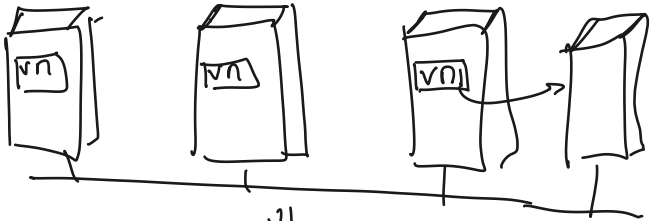


image de base

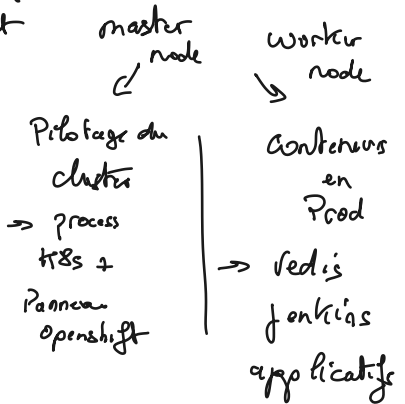
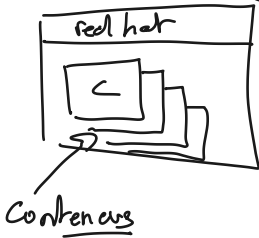


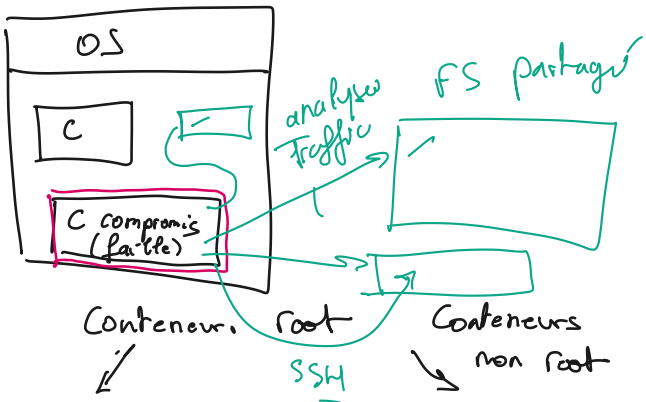
Conteneurs



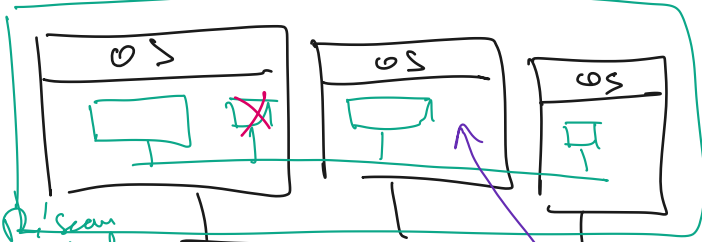


OS \rightarrow OS (redhat) + Container runtime
 openshift operating system + containers
 machine openshift





Worker

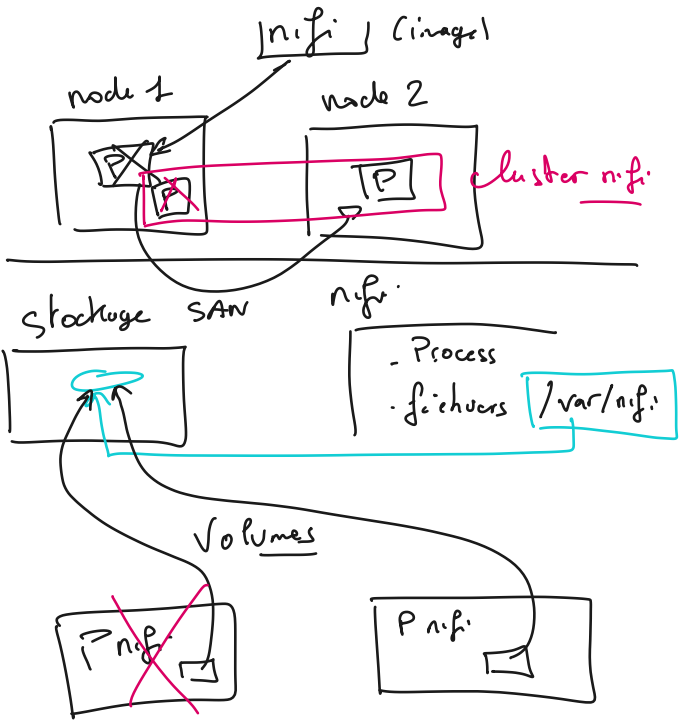


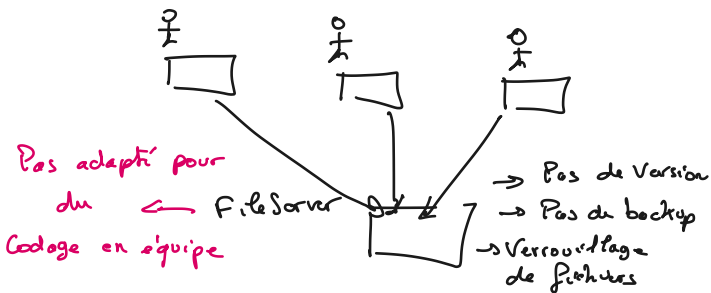
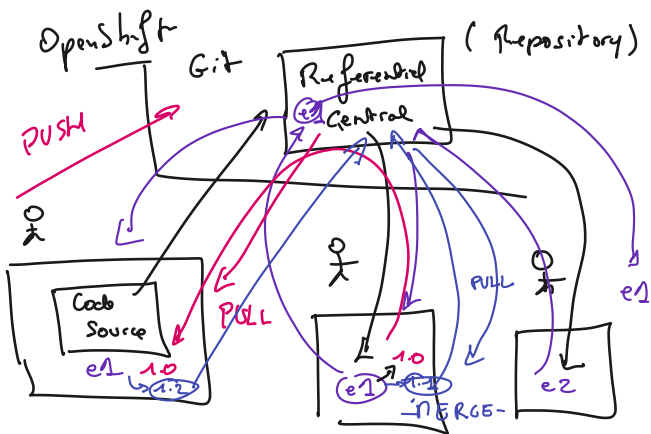
Riscan virtual

Riscan physique



idur oc





SVN

→ Verrouillage

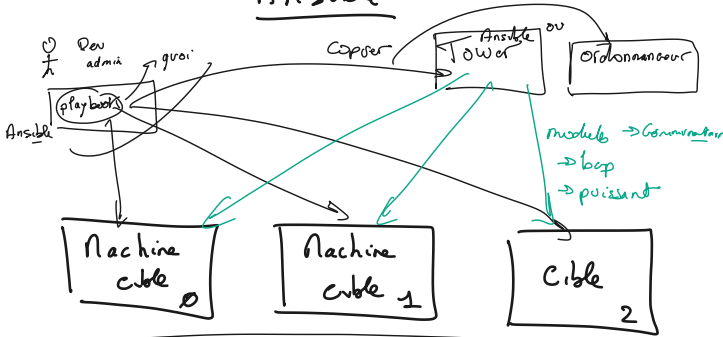
Git

→ Pas de Verrou

→ INFORMATICA

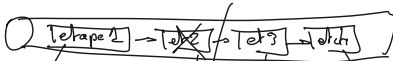
→ Possibilité de verrouiller quand même

Ansible



Jenkins

→ orchestrateur en pipeline



→ Commande shell (impératif)

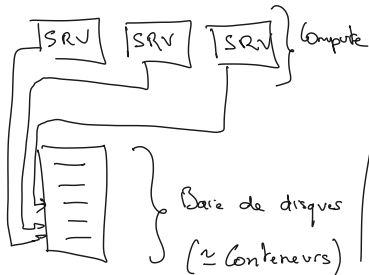
playbook Ansible

sous pipe Jenkins

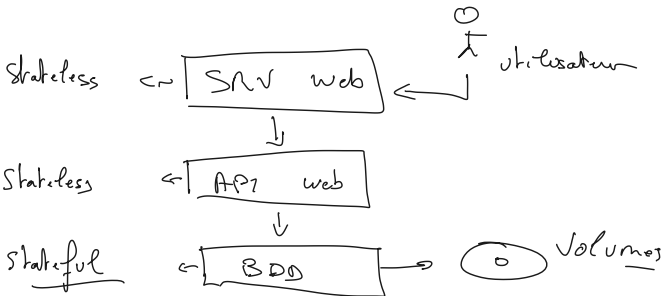
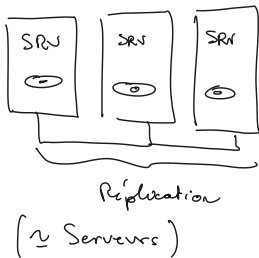
notion
→ build
- image
- binaires
dev

Obj. Jenkins orienté build de code

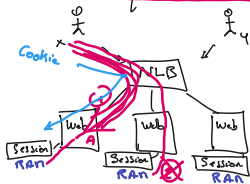
Stockage centralisé



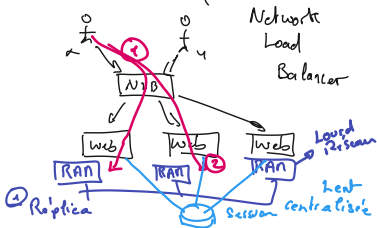
Stockage local

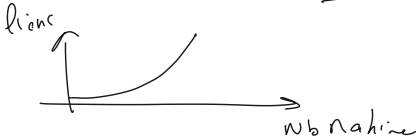
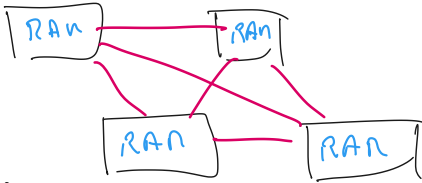


Sticky Session

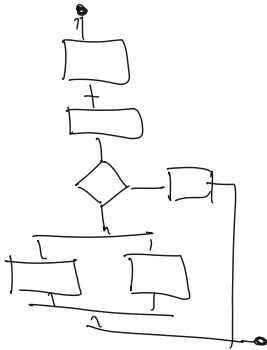


No Sticky

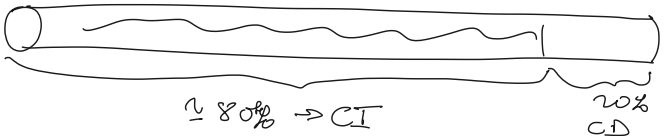
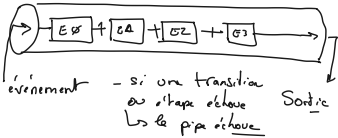


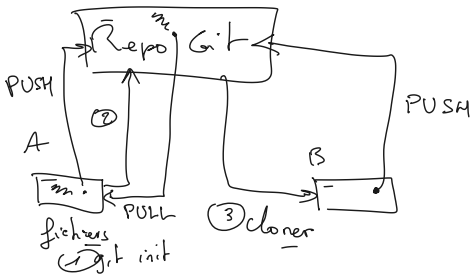
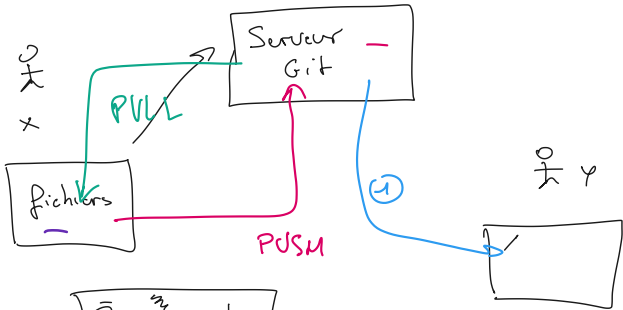


Workflow

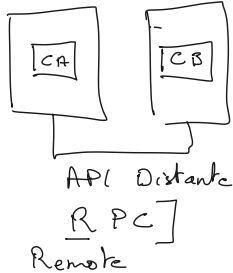
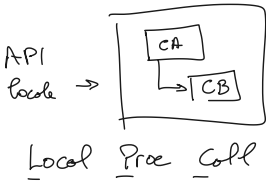
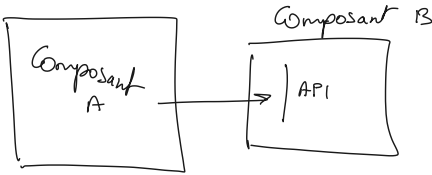


Pipeline





Def API

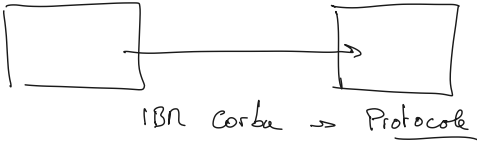


80-90 → Réseau

→ Technos

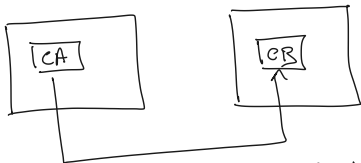
Network
Token Ring
NetBEUI

C++ Pascal
Cobol



2000 → TCP / IP

→ XML → format Text Unifié



exécution de code

Protocole = Web Service

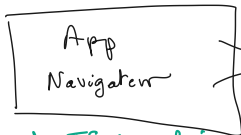
format = SOAP (spec du XML)

→ Lourd (Pas compatible Mobiles)

↳ Recherche de quelque chose de + léger

- Puissant
- fonctionnel
- Nocti Techs
- Parfaitement normé et unifié

Tel. Mobile



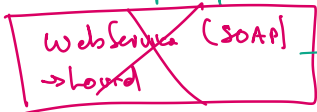
~~XML → draine la batterie~~
 + Simple!!!

R PC



format JSON → très léger

→ Ne draine pas trop la batterie



Rest Services

→

Regressions des APIs Rest Par Rapport a' SOAP (XNL)

API Rest

- Pas de norme
- ↳ méthode technique
- ↳ frictions

Remédiations

→ Specs Swagger

↳ devenu "Open API" spec

Reconnu a' 80%

↗ fichier d'interface

SOAP
→ Norme'

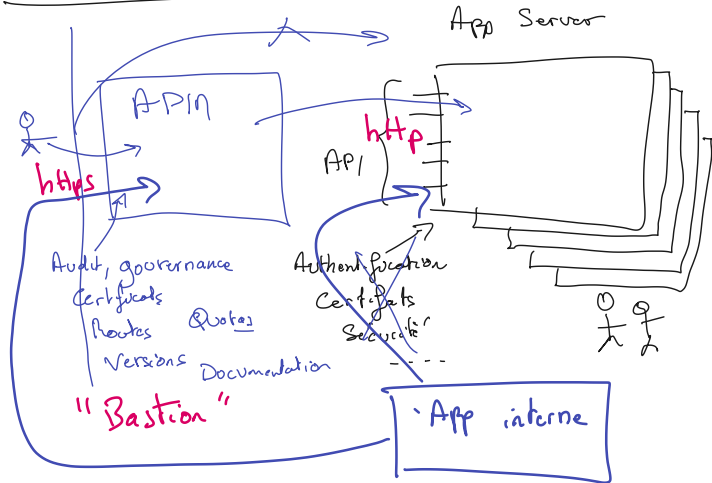
} norme initié'e par une société

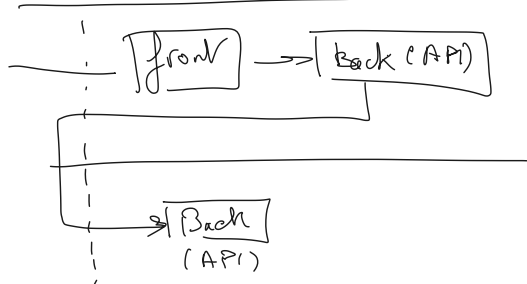
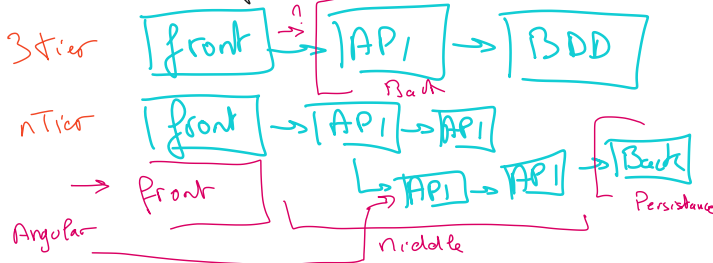
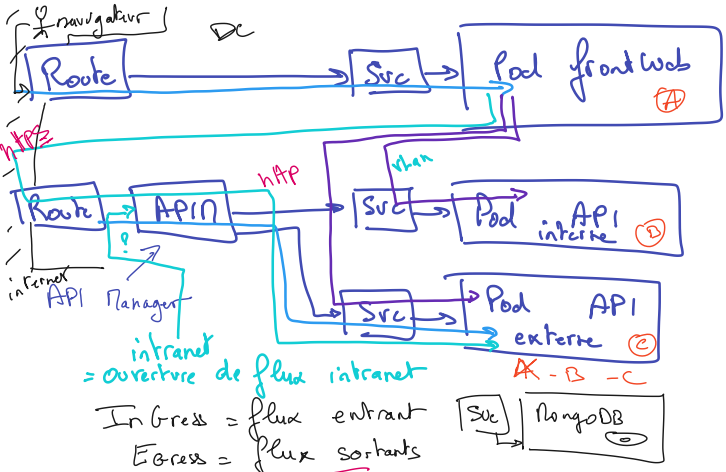
→ Nature (approch de + de 10 ans maintenant)

Client / Server

- Javascript via Node JS

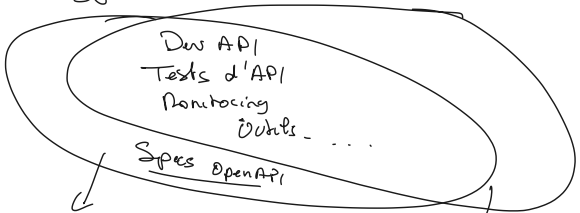
Python Java .net , ...





Swagger

Postman



Plutôt pour les Specs

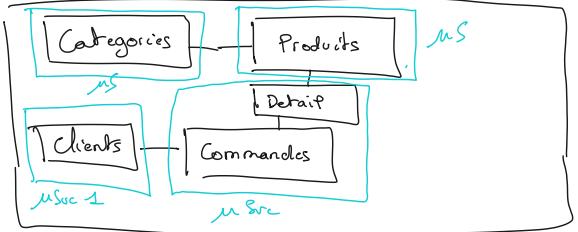
Plutôt pour de l'aide aux devs et aux tests

Exemple de Migration en μ Service

Exemple:

- Monolithique
- μ Svc

BDD

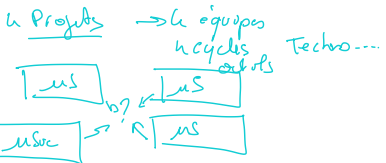


Projet

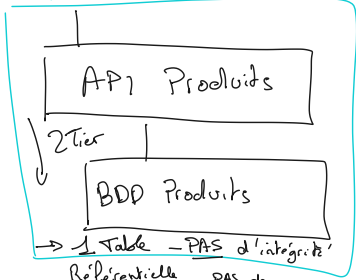
front

API → Entités

BDD → 5 - Relations - intégrité
Tables Referentielle → Normalisation



µSrc Produits



Référentielle - PAS de cohérence au niveau BDD

"La normalisation garantit la cohérence"

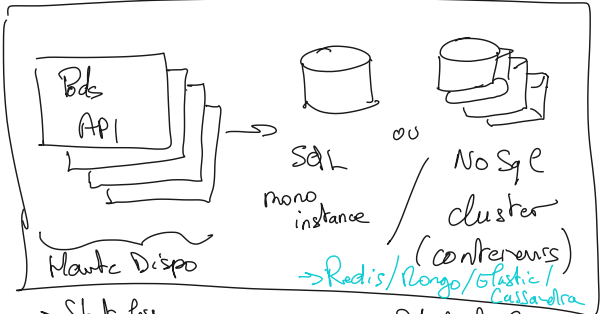
→ Acquis pendant des décennies (Depuis 1979 +)

aucune relation, ni intégrité renforcée

µSrc



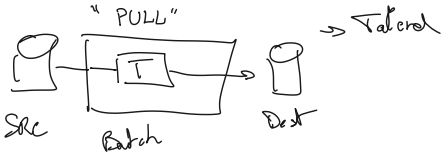
au sein d'un µSrc:



→ Stateless
Replica = n
Simple

→ Stateful
→ Préférence pour NoSQL en cluster

ETL



ELT

