

PASOE containerization

Mardi 25 Juin 2024

The world is how we shape it*

sopra  steria

*Le monde est tel que nous le façonnons

Sommaire

01 | PASOE
Introduction

02 | Containers & OCI

03 | Custom
Container Images

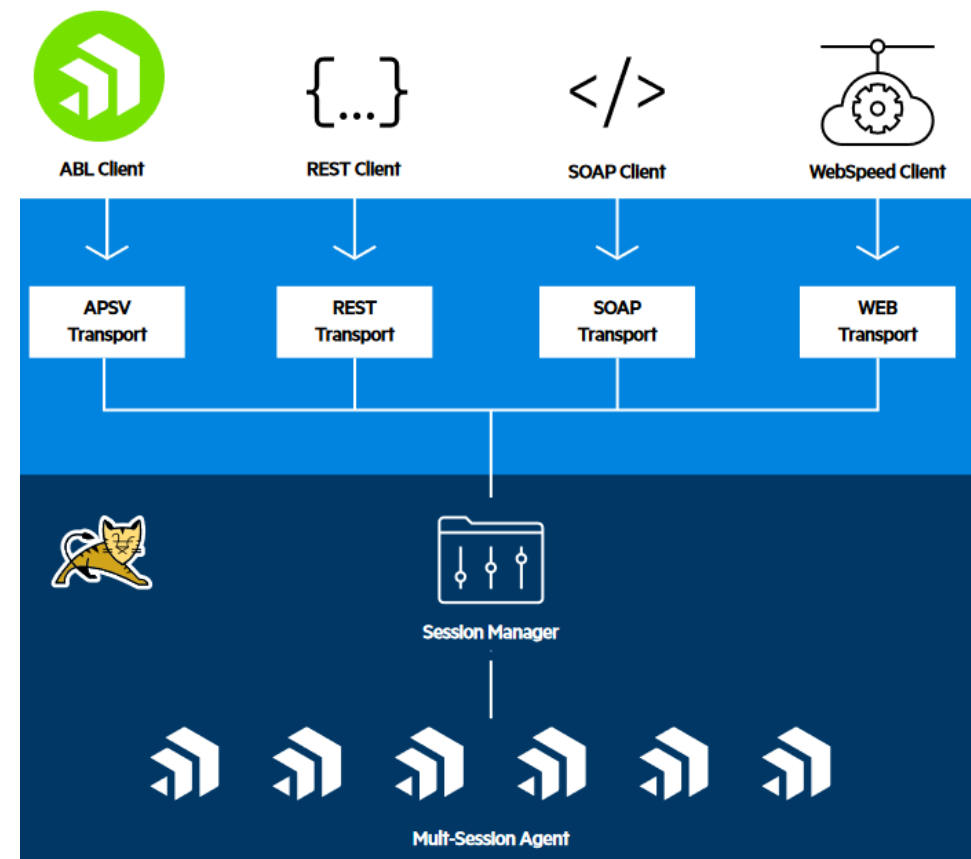
04 | Demo
Details

01

PASOE introduction

PASOE introduction

- Remplace appservers
- Powered by Tomcat
 - gestion de sessions
 - Gère nativement REST/SOAP/APSV
 - oemanager API
 - Dépréciation d'ancien composants
 - nameserver

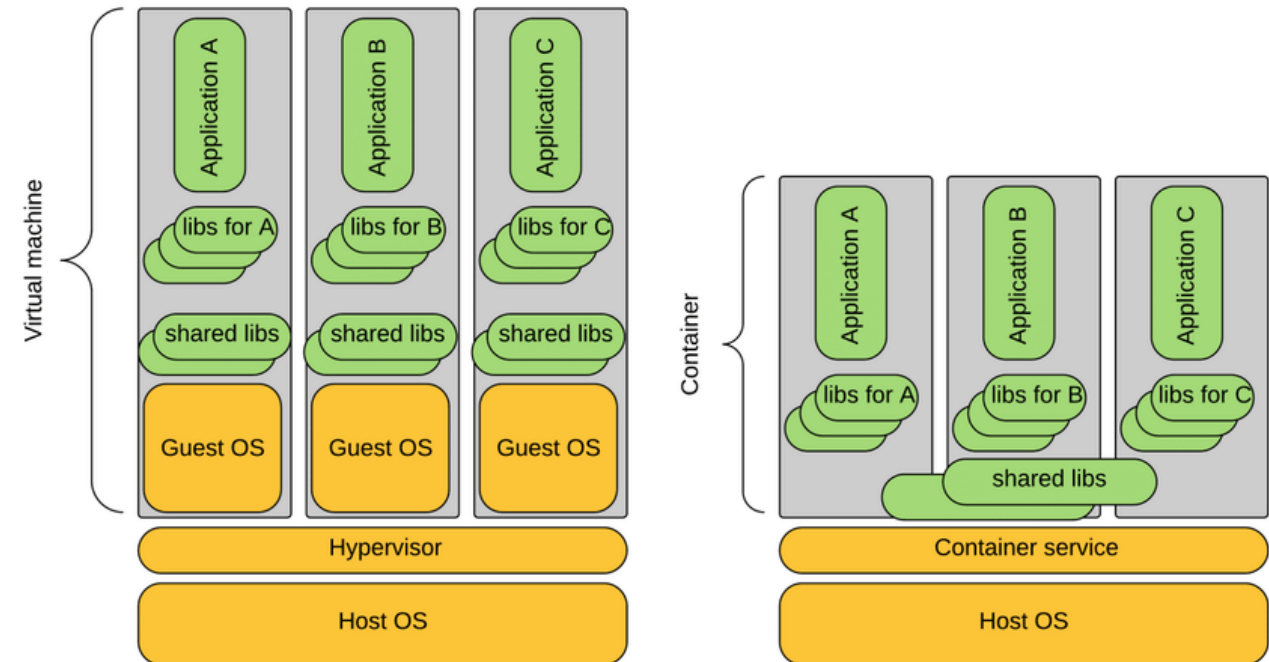


02

Containers & OCI

Container overview

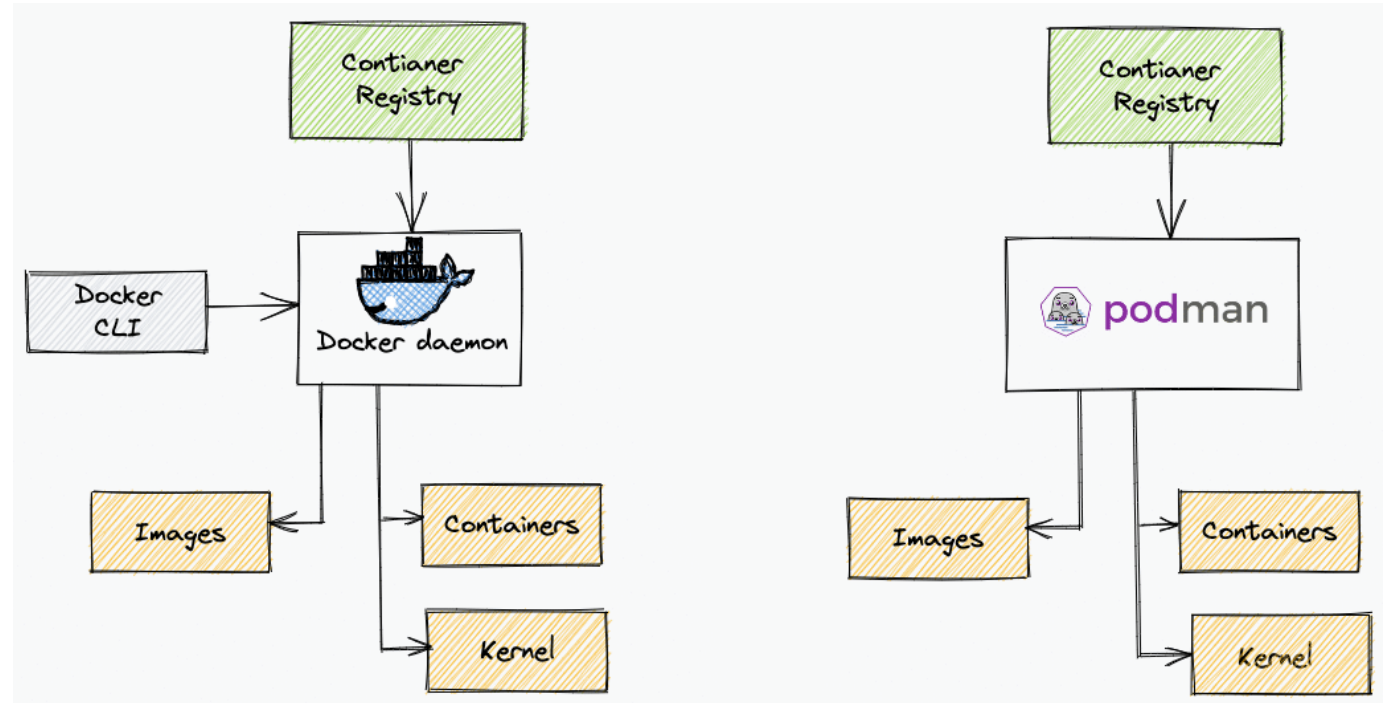
- Runtime share host kernel
 - Kernel namespace
 - Kernel cgroups
- Security
- Compatibility



source: https://www.researchgate.net/figure/Comparison-of-virtualization-and-containers-architecture_fig9_316269799

OCI – Open Container Initiative

- Specification commune
 - runtime spec
 - image spec
- Podman/Docker
 - rootful vs rootless
 - daemon vs daemonless



source: <https://devopscube.com/podman-tutorial-beginners>

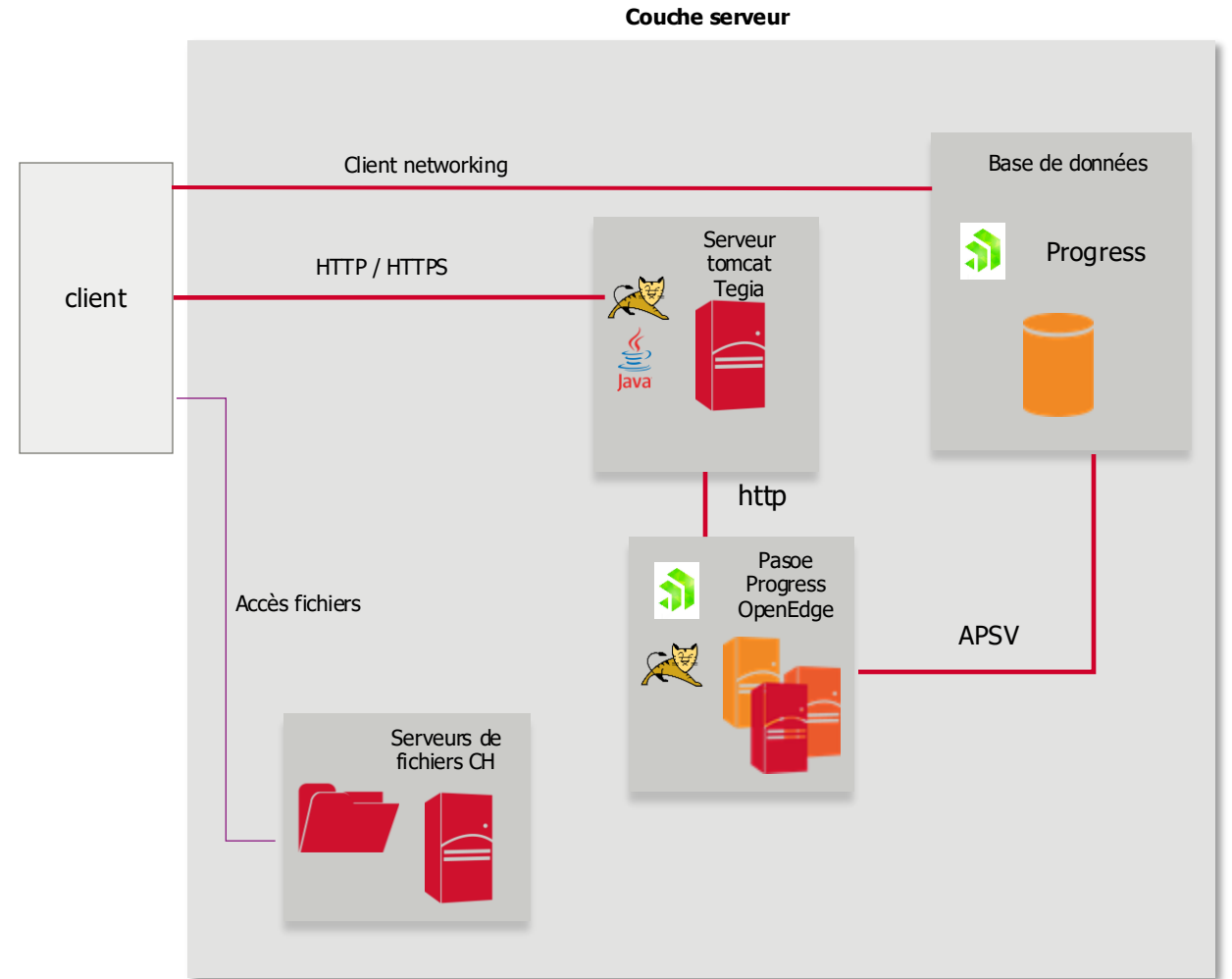
03

Custom container images

ERP architecture

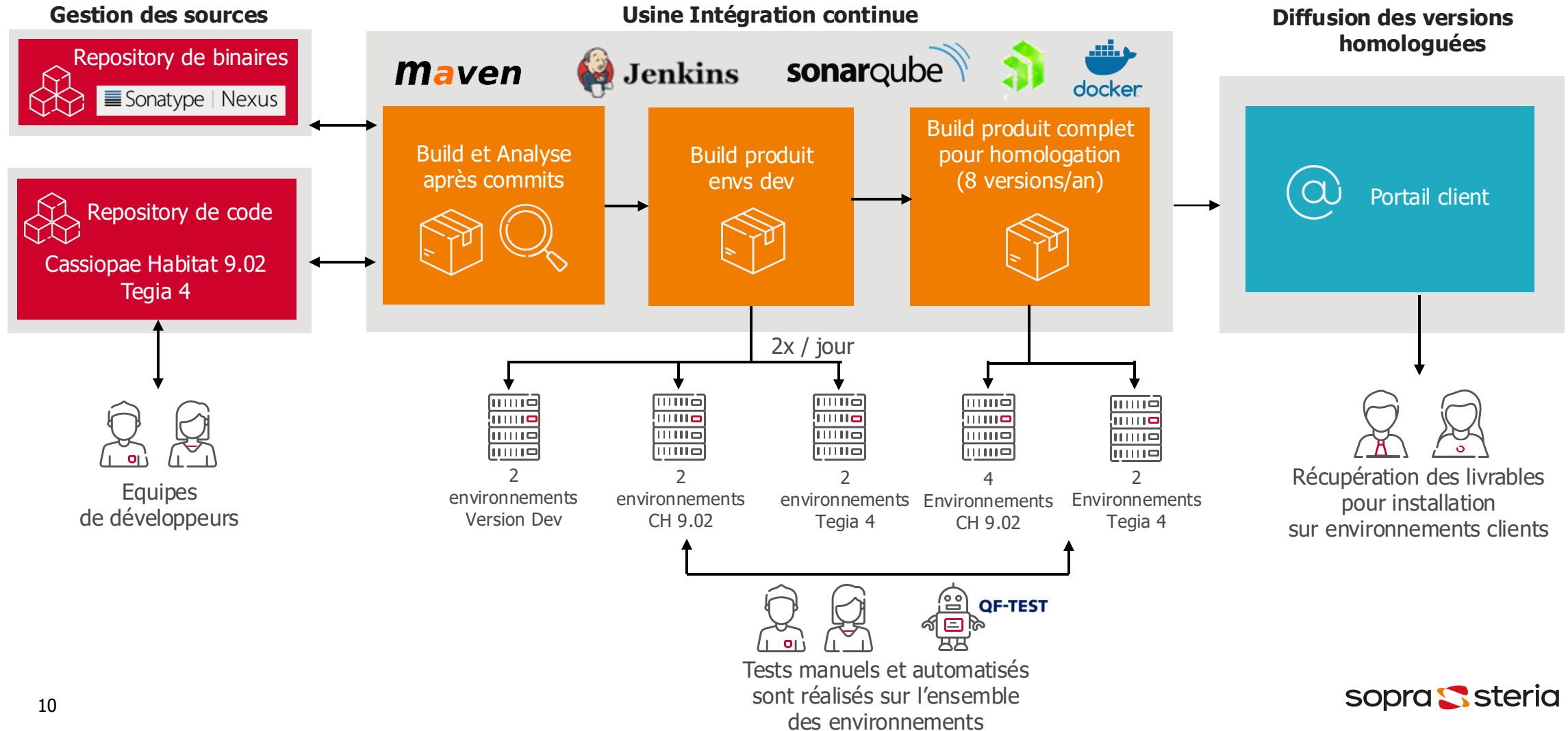
- PASOE:
 - DB <-> WebApplication
- Traitement fonctionnel
- ORM

Tegia¹



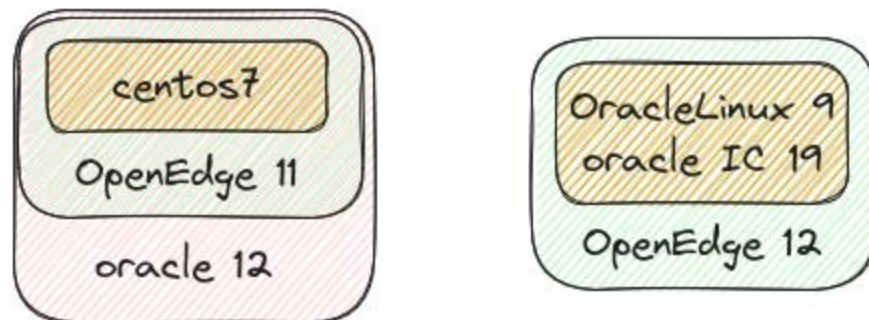
Focus Intégration continue

Une automatisation importante pour produire et livrer 2 versions majeures en parallèle



Custom container images

- Legacy appservers
 - Container images appservers
 - Déploiement des builds quotidien
 - Contrôle facilité
 - Built from centos7 images
 - Manual OpenEdge 11.7 install
 - Manual Oracle 12 install
 - Prérequis connexions oracle database



- PASOE images
- Outillage existant
 - Mise à jour oracle linux 9 base
 - Bundled instantclient 19
 - Manual Openedge12 installation
 - 12.2.14
 - Bundled PASOE instance
 - Config externe
 - Openedge.properties / Database.pf / tnsnames.ora ...
 - Supervisor init service

04

Demos & Details

Q&A