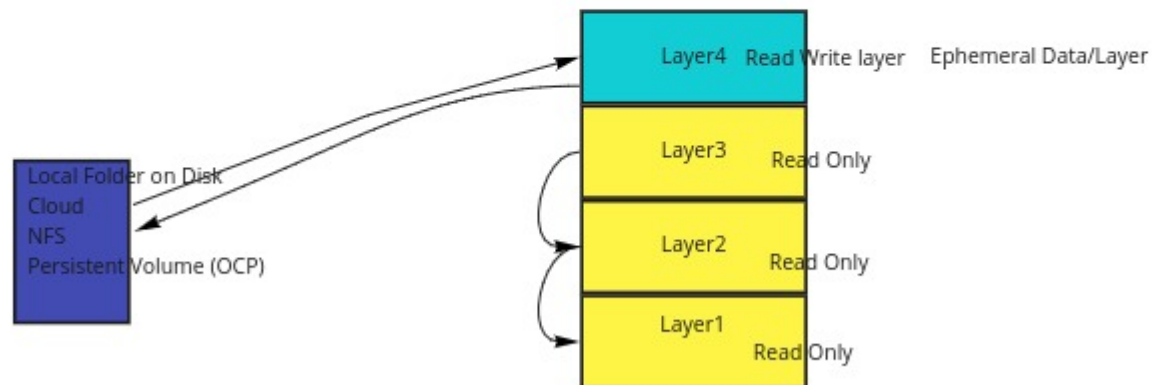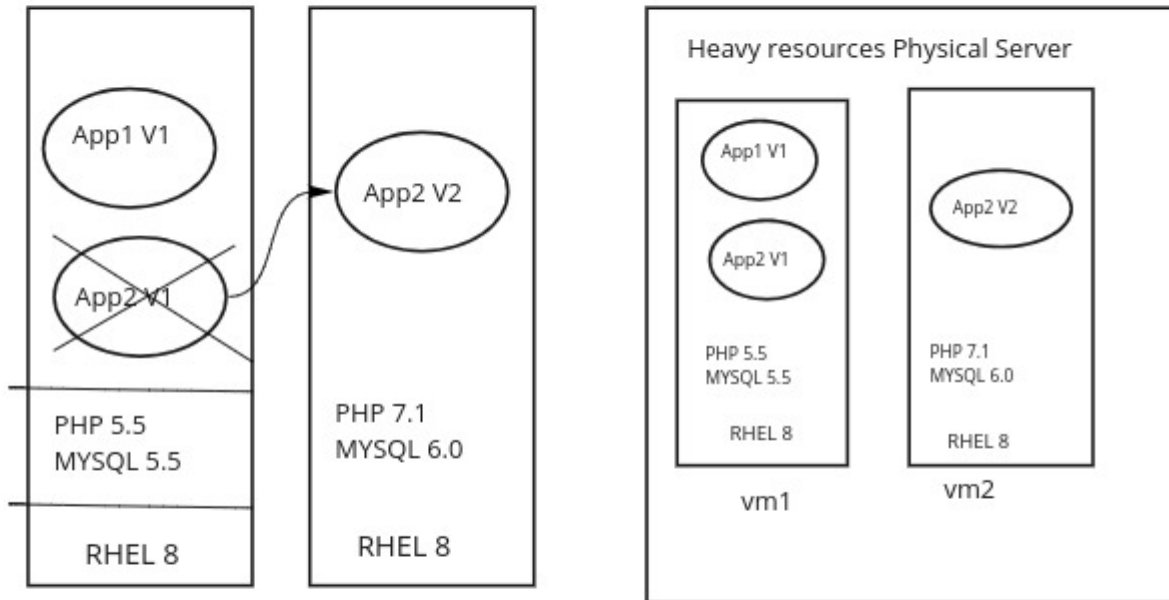# Physical Infrastructure

Image Registry Server

bank-app
PHP 5.5
MYSQL 5.5

gov
PHP 7.1 -ap
MYSQL 6.0
p

Public   docker.io   quay.io
Redhat   registry.redhat.io registry.access.redhat.com
Org.   Org will have own Reg. Server

App1 V1

App2 V1

App2 V2

PHP 5.5
MYSQL 5.5

RHEL 8

PHP 7.1
MYSQL 6.0

RHEL 8

Heavy resources Physical Server

App1 V1

App2 V1

App2 V2

PHP 5.5
MYSQL 5.5

RHEL 8

PHP 7.1
MYSQL 6.0

RHEL 8

vm1   vm2

Image
php

Container

Image
EJB

Container

Image
MySQL

Container

Images: /var/lib/containers/storage/overlay-images
Containers: /var/lib/containers/storage/overlay-containers

Container Tools (Docker,Podman, LXC)

RHEL 8

Layer4   Read Write layer   Ephemeral Data/Layer

Layer3   Read Only

Layer2   Read Only

Layer1   Read Only

Local Folder on Disk
Cloud
NFS
Persistent Volume (OCP)