Why OpenShift is a developer platform ?
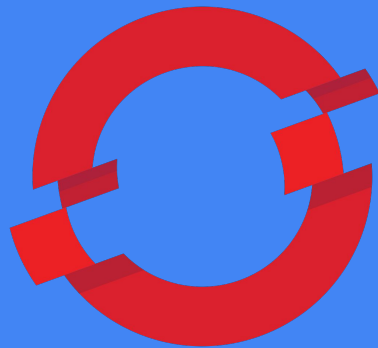
Salahddine ABERKAN
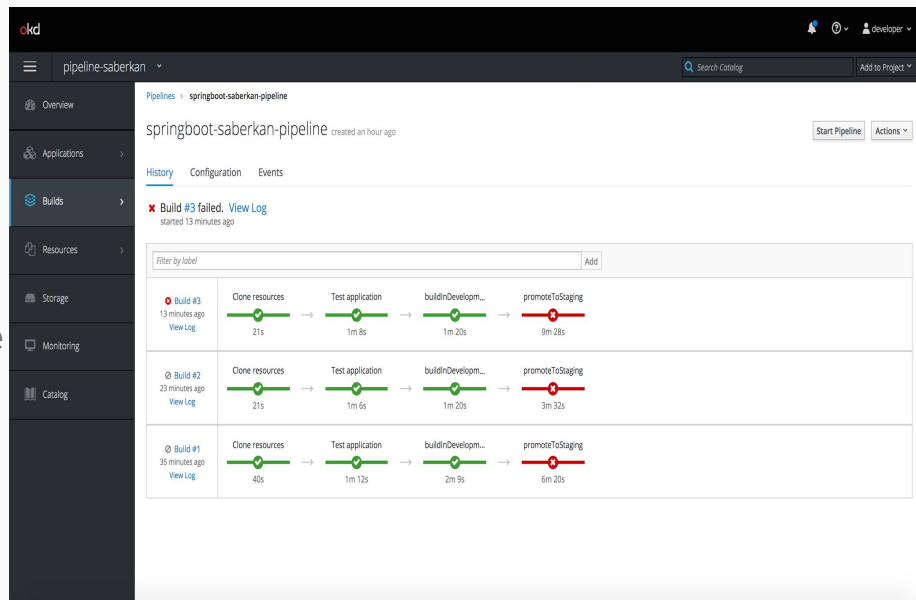
OPENSHIFT

Summary

I. OpenShift Extension
II. OpenShift Components
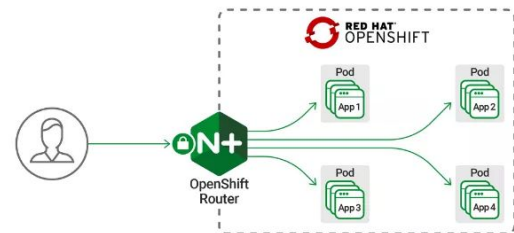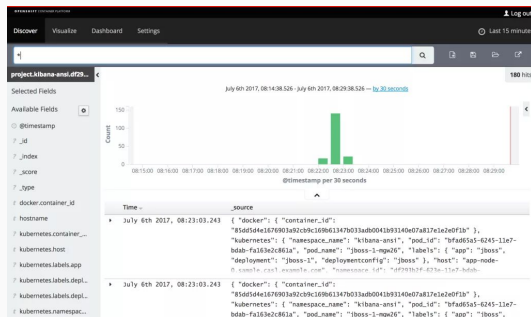III. Pipeline démo

OpenShift Extensions

- DeploymentConfig
    - Use trigger
    - Deploy with ReplicationControllers
- BuildConfig
    - Build images into internal registry
    - Strategies : Docker, S2I, JenkinsPipeline
    - Use webhooks
    - CI/CD pipelines
- Templates
- ImageStreams
    - Internal reference to image tags

OpenShift components

- Internal docker registry
- EFK
  - Logging
- Prometheus/Grafana
  - Monitoring, supervision
- HAProxy or Nginx
  - Routing
- Jenkins

DEMO

https://github.com/saberkan/openshift-springboot-pipeline

Demo Flow

pipeline-saberkan

Clone git repo → Run tests → Build in dev [1] → Tag release [2] → Deploy in Staging [3]

Jenkins

openshift

[2] → ImageStream

docker

development-saberkan

[1] → BuildConfig → Deployment Config → POD

staging-saberkan

[3] → Deployment Config → POD