Joe C

General CI/CD

- Automate the promotion from sbx to dev and higher (including GetIT requests)
- Official pipelines (Spring, .NET) published by us into repo
- Automated README-to-Confluence markdown transfer
- Try for zero CI/CD files present in client library. Can we run CI/CD without .gitlab-ci.yml?

GitLab Runners

- · Get security to waive aqua scan for runner containers
- · Replace alpine in helper images
- Consider a boot-specific runner with JDK, certs, etc. inside the container

Artifactory/Machine Shop

- Our own team-specific Dockerhub repositories
- Our own team-specific Artifactory repositories (for Docker, Maven, and Helm at least)
- Map out our own Docker images and associated image tags (stop using latest)
- Create our own mtb-kaniko image
- Pack all necessary OSE certs, Helm files, Dockerfile, etc. whatever we need into the associated images
- · Adopt OpenJDK images

Java Libraries

- Establish an MTB client starter parent
- Super easy annotation-based Kafka Library

pernetes/spring-boot-ose-pipeline/-/blob/master/.gitlab-ci.yml

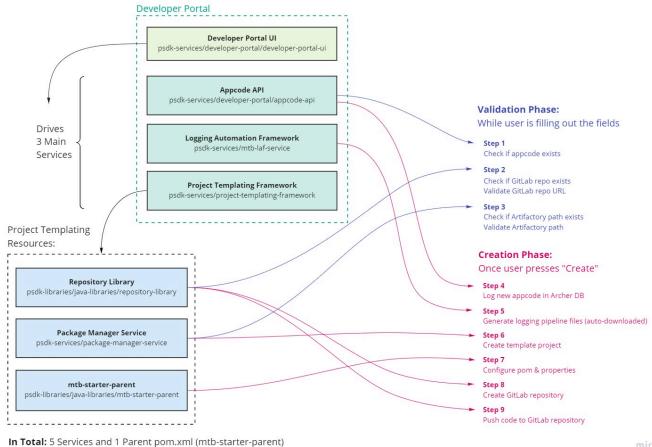
```
□ ∨
🖹 .gitlab-ci.yml 🔓 6.11 KB
                                                                                                                                                                                   Web IDE
                                                                                                                                                                                                     Lock
                                                                                                                                                                                                               Replace
             DEV_REGISTRY: bar.prod.mtb.com/mtb-docker-temp/
                                                                                                                    With our own MTB Kaniko image,
             CONTAINER_IMAGE_ROOT: bar.prod.mtb.com/mtb-docker-te
                                                                                                                    the certs and configs can be imbedded in the image itself,
                                                                                                                    allowing us to abstract away much of the gitlab-ci file
                 - export ARTIFACT=$CONTAINER_IMAGE_ROOT/${CI_PROJECT_PATH_SLUG}/$PKG:$TAG
- echo "$DOCKER_AUTH_CONFIG" > /kaniko/.docker/config.json
                  // kaniko/executor
// kaniko/executor
--context $CI_PROJECT_DIR/
--dockerfile ${CI_PROJECT_DIR}/Dockerfile
--build-arg ARTIFACT=${ARTIFACT}
--destination $ARTIFACT
- echo "Pushed to $ARTIFACT"
```

environment:

```
With a few modifications to our mtb-ose-utilities image,
                                                                                                           we can embed many of the CI/CD operation into the image itself,
                                                                                                           including env vars OSE_USER and OSE_USER_PW
      echo deploying image CONTAINER_IMAGE_ROOT/CI_PROJECT_PATH_SLUG}/$PKG:$TAG
          port SERVER_PORT_GREP=$(grep -i 'server.port\s*=\s*....' src/main/resources/application.properties)
        else
export SERVER_PORT="8080"
echo server port auto-configured to 8080
      ceho server port has been set to $SERVER_PORT
oc login https://api.ose${REGION}.mtb.com:6443 -u ${OSE_USER} -p ${OSE_USER_PW}
oc project ${CI_PROJECT_PATH_SLUG}-${REGION}
     helm upgrade $RELEASE helm/charts/ -f ./helm/charts/values.yaml
--install
--set host=$HOST
--set tag=$TAG
--set image=$CONTAINER_IMAGE_ROOT/${CI_PROJECT_PATH_SLUG}/$PKG
--set serverPort=$SERVER_PORT
--namespace ${CI_PROJECT_PATH_SLUG}-${REGION}
echo deployment_URL is https://${HOST}
before_script:
variables:
```

Map of PSDK's Developer Portal

gitlab.mtb.com/platformsdk



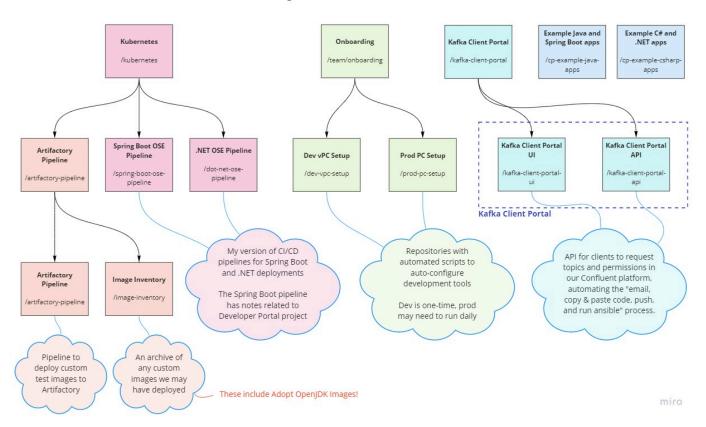
PDF Version (a little more clear):



miro

GitLab - Foundational Services

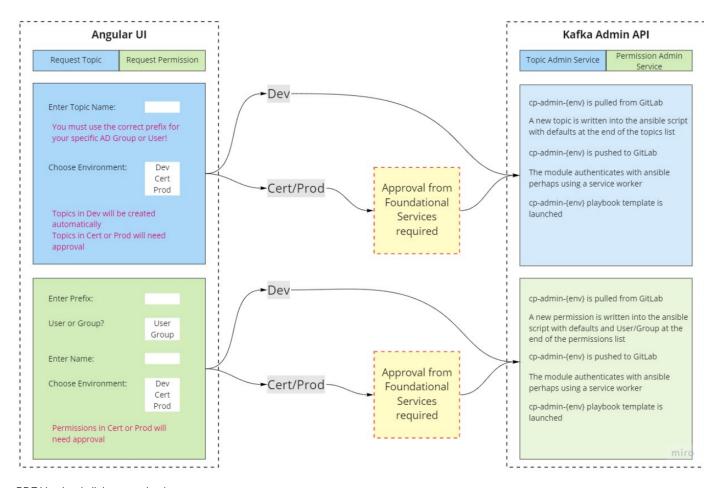
gitlab.mtb.com/foundational-services



PDF Version (a little more clear):



BTW there is also a Dockerhub pipeline now too!



PDF Version (a little more clear):



Foundational Services

Platform SDK

Foundational Platform

Platform Administration

Central Software Services

Enterprise Development Lab

Enterprise Core

Developer Experience

Master Library

Grand Central Station