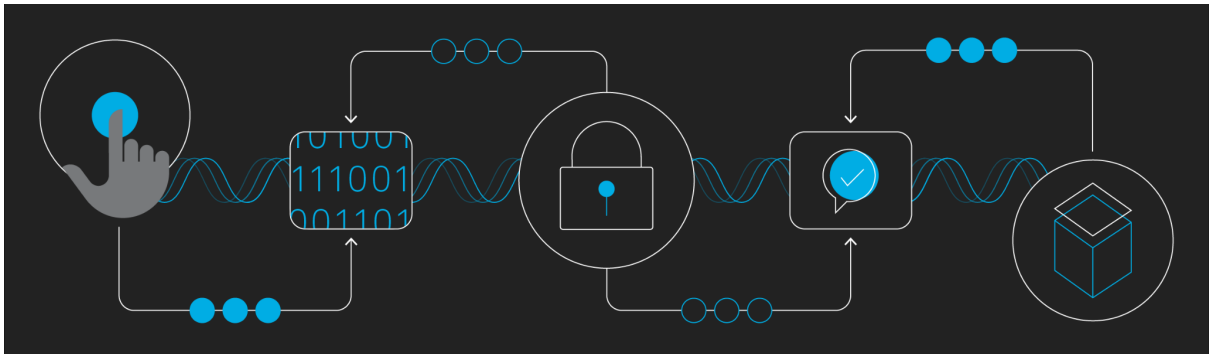


TP CI / CD

Lien du Repository Git

<https://github.com/JeremYnov/Pipeline-CICD>

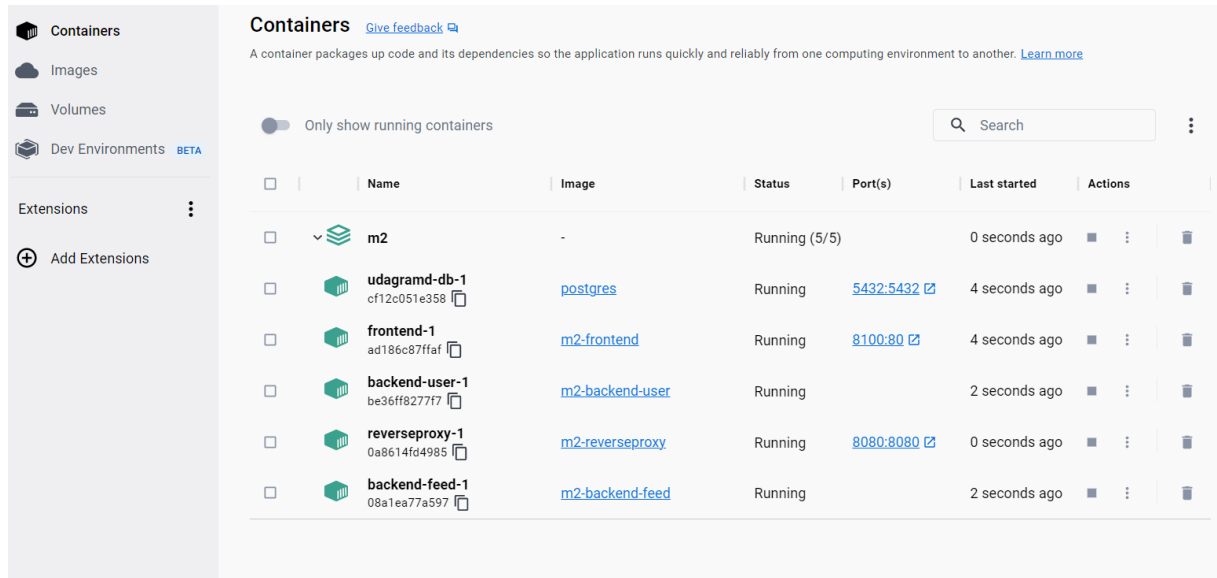


Jérémy RICHARD, Paul BAGNIS, François GUERN

TP - Partie I :

Cloner le projet, définir les variables d'environnement et lancer le cluster avec:

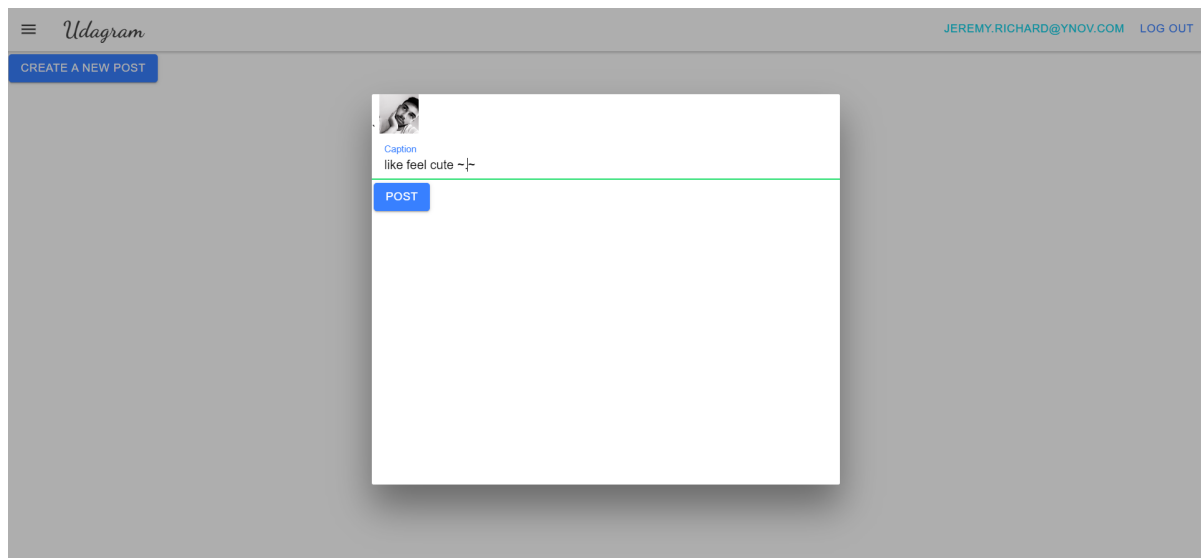
```
$ docker-compose up -d
```



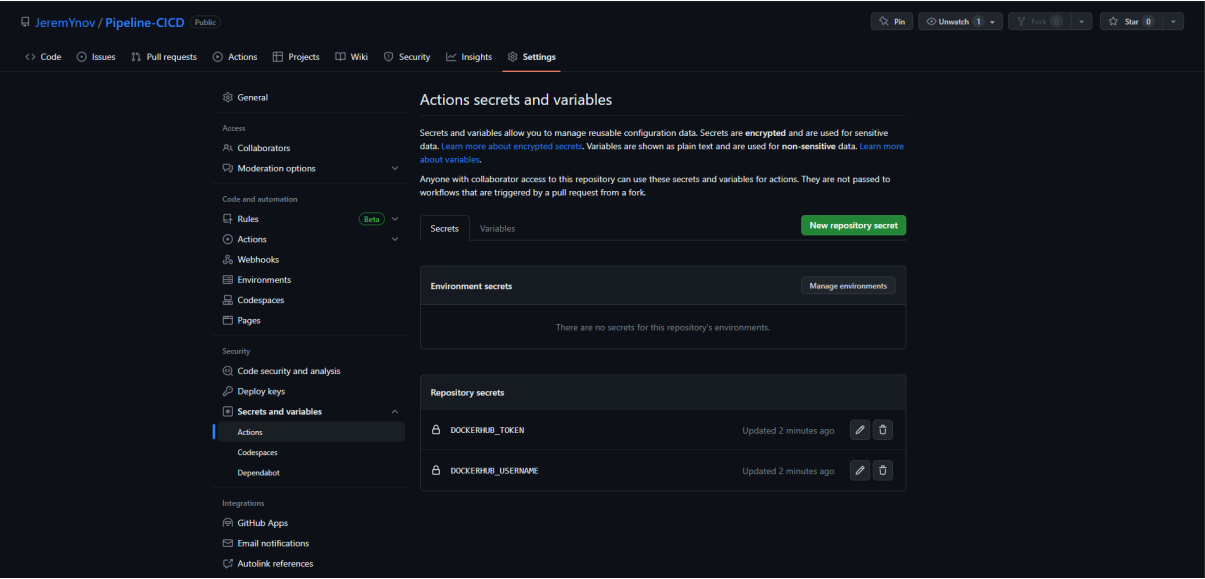
Containers Docker en marche

Une fois le docker-compose finit l'interface est accessible via cette adresse:

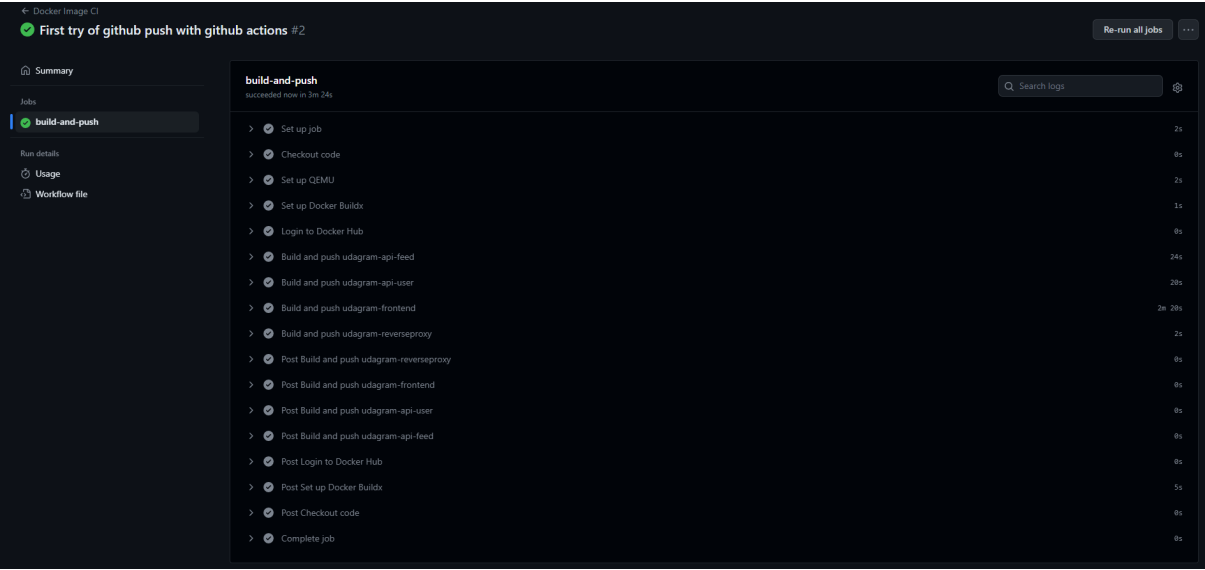
<http://localhost:8100/home>



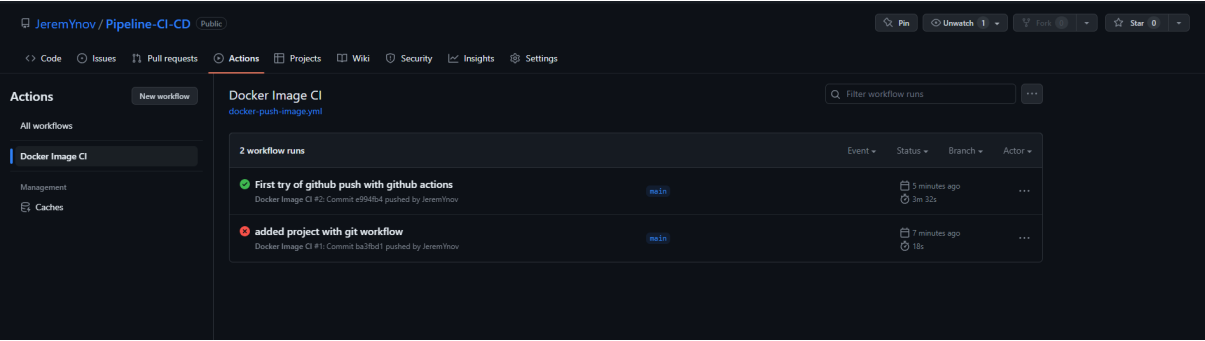
Interface du projet



Interface de création de secret Github



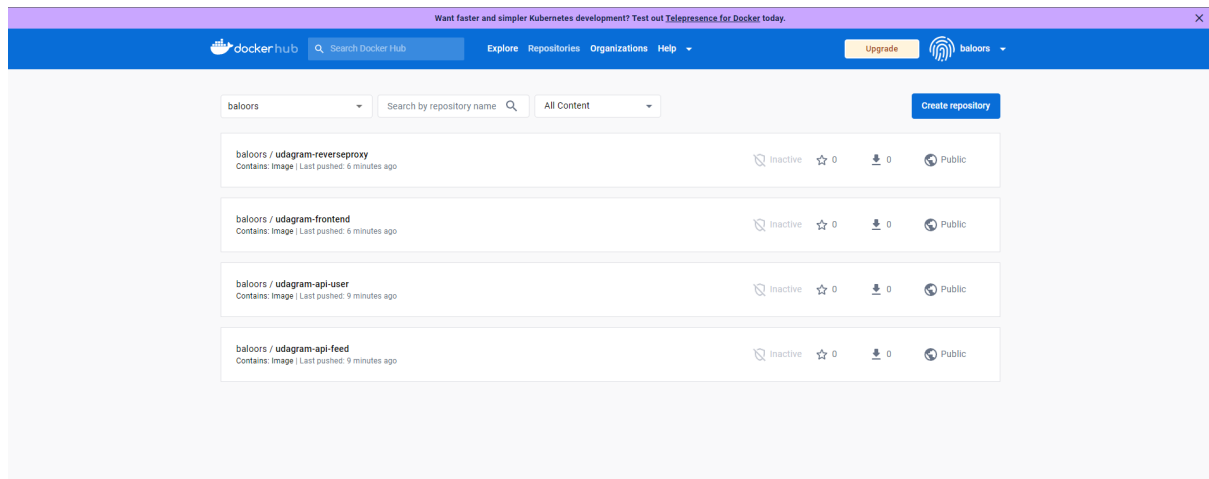
Liste des pipelines CI/CD



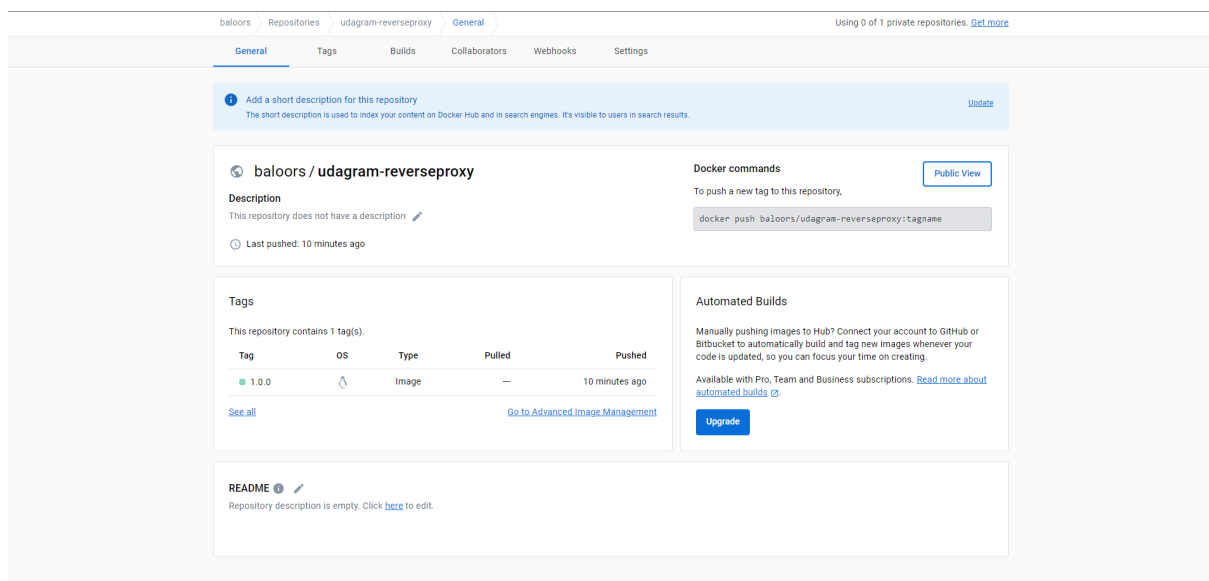
Liste des exécutions de pipelines CI/CD

Les images sont trouvable sur Dockerhub a cette adresse:

<https://hub.docker.com/u/baloors>



Liste des images sur Dockerhub

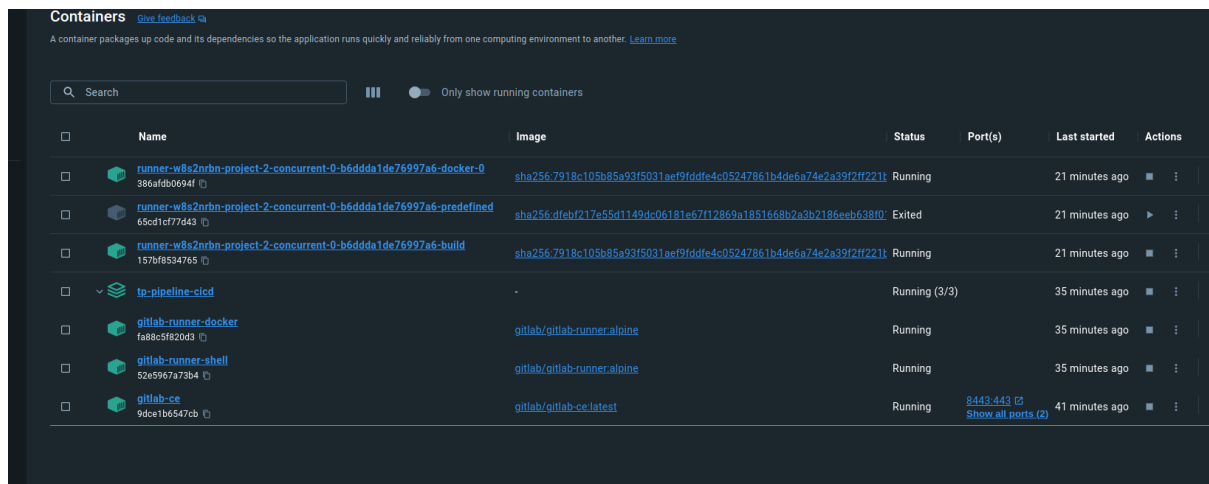


Description d'une image sur Dockerhub

Note:

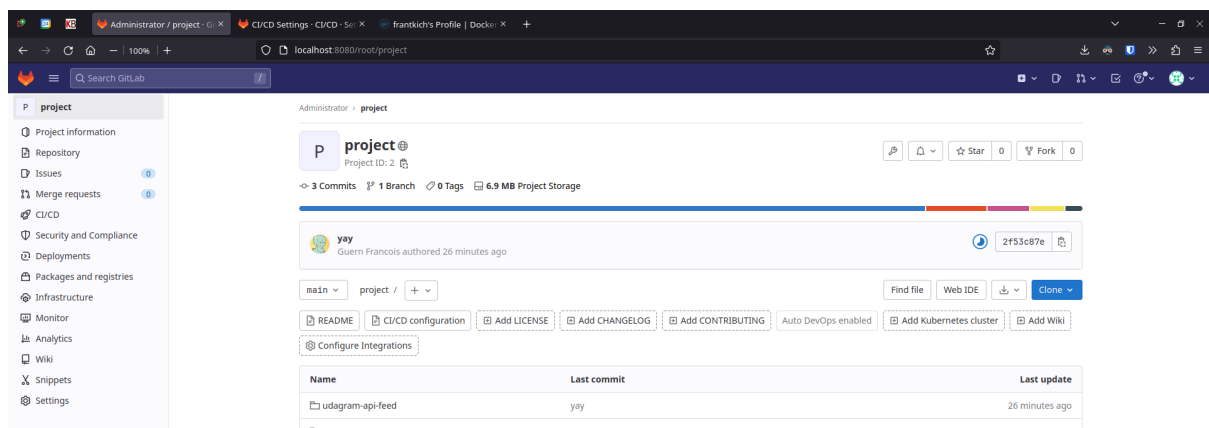
Au lancement nous avons rencontré des erreurs de typing avec Typescript, nous avons donc dû modifier le type de certaines variables qui faisait planter l'application (2, 3 modifications)

TP - Partie II



Liste des containers docker

Nous avons utilisé 3 containers docker, un container gitlab et deux container runner. Sur le premier screenshot nous sommes sur le container gitlab lancé sur le port 8080.

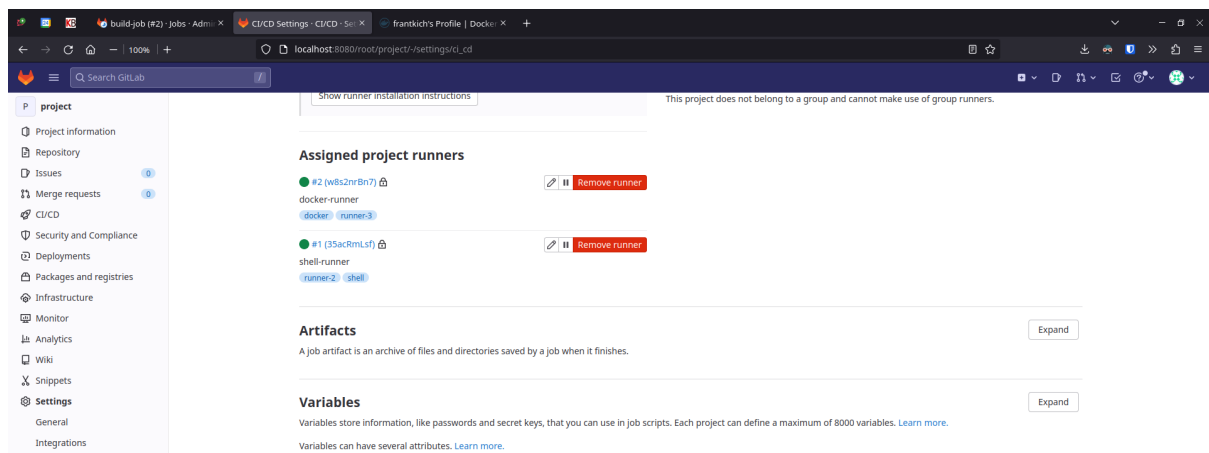


Projet Udagram host sur Gitlab (dockerized)

Une fois nos containers en cours d'exécution, nous avons créé un profil gitlab ainsi qu'un repository pour le projet udagram sur le container "gitlab-ce".

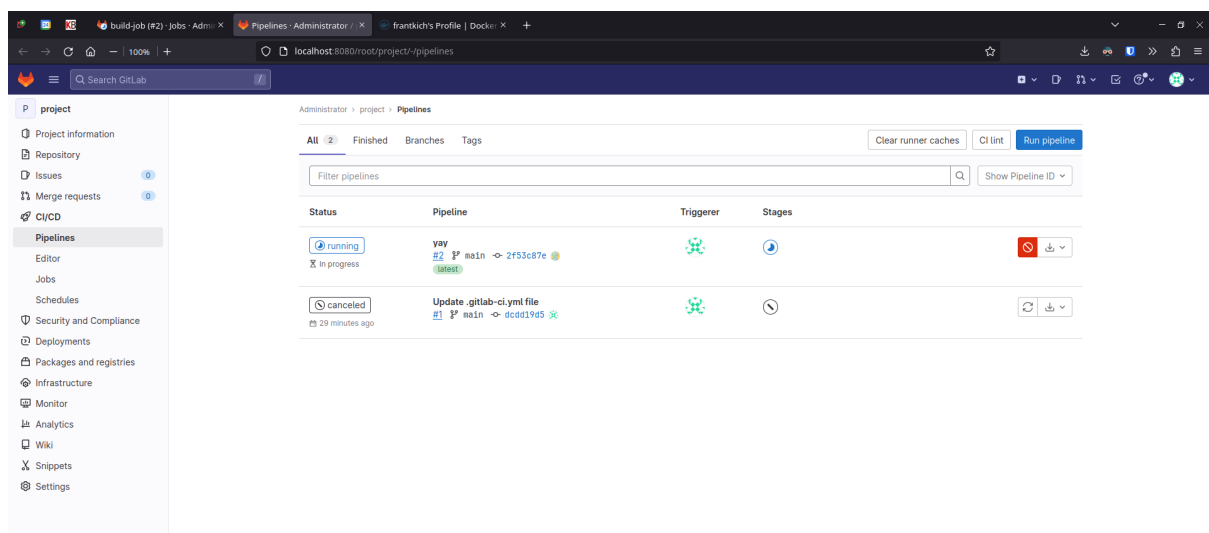
Étapes d'exécution du projet :

1. Lancer les containers (\$ docker-compose up)
2. Se connecter
3. Modifier les variables d'environnement pour renseigner les ID Docker
4. Aller à l'adresse <http://localhost:8080/admin/runners>
5. Copier le token des runners
6. Aller dans la console des runners (docker exec -it)
7. Enregistrer le runner au master gitlab (gitlab-runner register...)
8. Renseigner les tokens précédemment récupérés

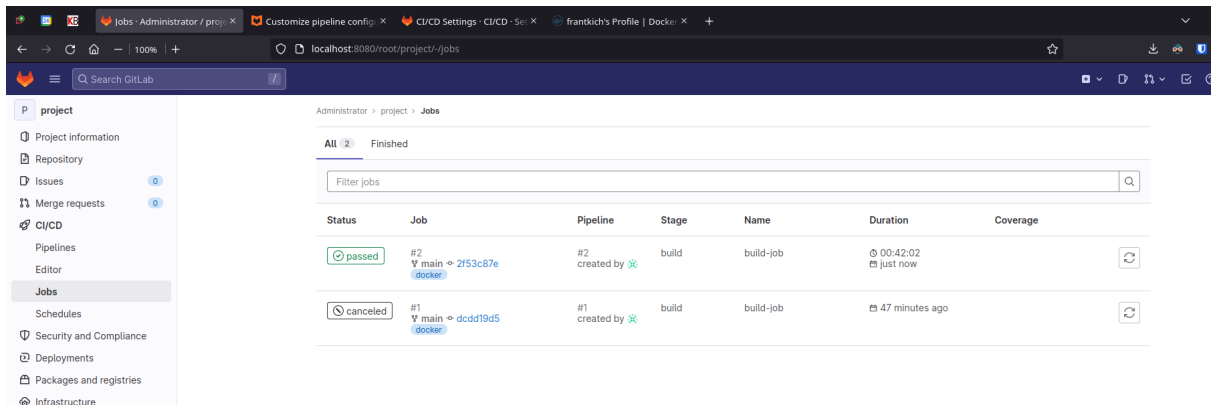


Liste des runners connecté au serveur Master (gitlab-ce)

Effectuer un *push* permet de lancer un job. Actuellement la tâche d'un job est de *push* les images utilisées sur le docker hub.

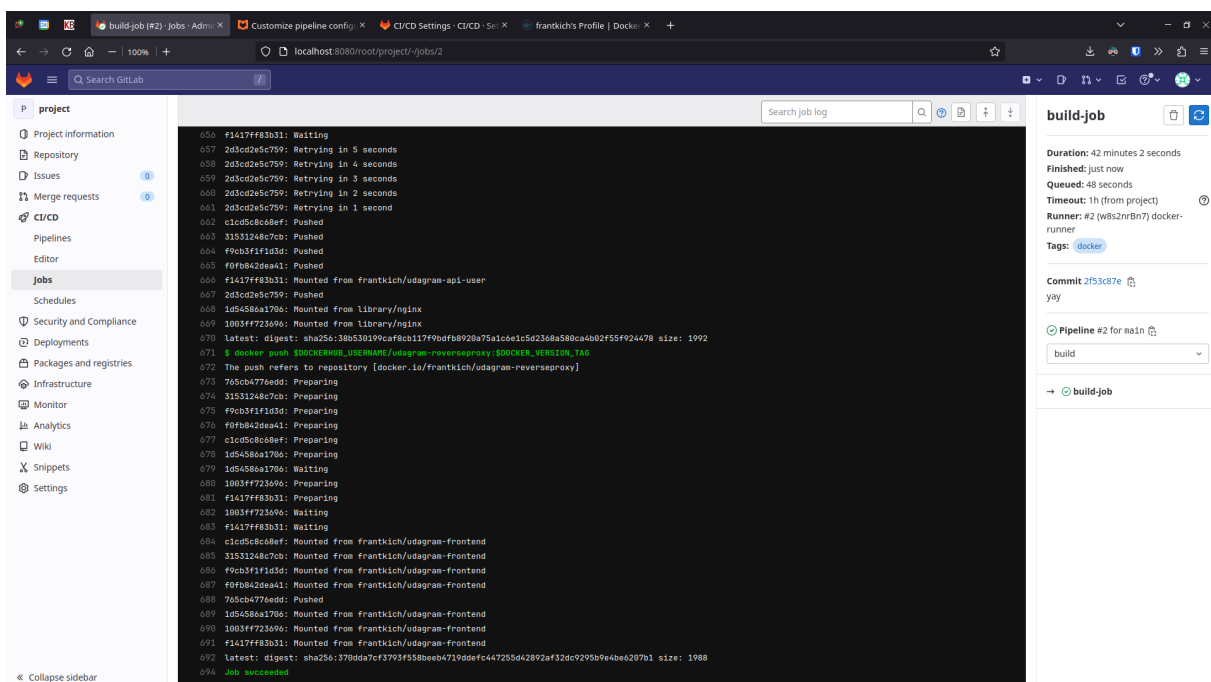


Liste des jobs du projet (premier annulé, second en cours)



Status	Job	Pipeline	Stage	Name	Duration	Coverage
failed	#1 main -> dcd019d5 docker	#1 created by yay	build	build-job	47 minutes ago	
passed	#2 main -> 2f53c87e docker	#2 created by yay	build	build-job	00:42:02 just now	

Liste des jobs du projet (premier annulé, second réussi)



```

656 #1417ff83b31: Waiting
657 2d3cd2e5c759: Retrying in 5 seconds
658 2d3cd2e5c759: Retrying in 4 seconds
659 2d3cd2e5c759: Retrying in 3 seconds
660 2d3cd2e5c759: Retrying in 2 seconds
661 2d3cd2e5c759: Retrying in 1 second
662 c1cd5c8c68ef: Pushed
663 31531248c7cb: Pushed
664 #9cb5f1f1d3d: Pushed
665 #f9fb842dea41: Pushed
666 #1417ff83b31: Mounted from frankich/udagram-api-user
667 2d3cd2e5c759: Pushed
668 Id54586a170b: Mounted from library/nginx
669 1003ff723696: Mounted from library/nginx
670 Latest: digest: sha256:30853309cafb31179bdfb920b75a1cde1c5e2348a580ca0b02f55f924470 size: 1992
671 $ docker push $B0C0E808B.10250406/udagram-reverseproxy:$B0C0E808.V091008.Y46
672 The push refers to repository [docker.io/frankich/udagram-reverseproxy]
673 765cb4776edd: Preparing
674 31531248c7cb: Preparing
675 #9cb5f1f1d3d: Preparing
676 #f9fb842dea41: Preparing
677 c1cd5c8c68ef: Preparing
678 Id54586a170b: Preparing
679 Id54586a170b: Waiting
680 1003ff723696: Preparing
681 #1417ff83b31: Preparing
682 1003ff723696: Waiting
683 #1417ff83b31: Waiting
684 c1cd5c8c68ef: Mounted from frankich/udagram-frontend
685 31531248c7cb: Mounted from frankich/udagram-frontend
686 #9cb5f1f1d3d: Mounted from frankich/udagram-frontend
687 #f9fb842dea41: Mounted from frankich/udagram-frontend
688 765cb4776edd: Pushed
689 Id54586a170b: Mounted from frankich/udagram-frontend
690 1003ff723696: Mounted from frankich/udagram-frontend
691 #1417ff83b31: Mounted from frankich/udagram-frontend
692 Latest: digest: sha256:370dda7c73793f9380eeb4719d0efc447235d42892af33dc9295b9e4ba0207b1 size: 1988
693 Job succeeded

```

build-job

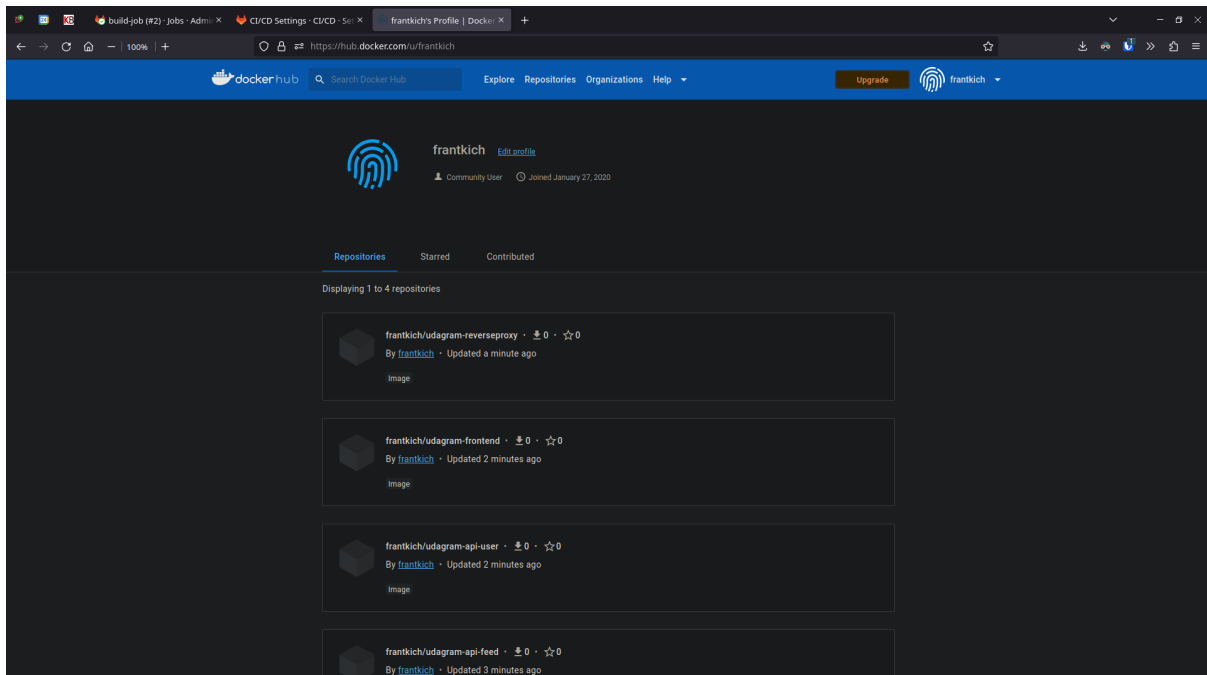
Duration: 42 minutes 2 seconds
 Finished: just now
 Queued: 48 seconds
 Timeout: 1h (from project)
 Runner: #2 (w8s2nrBn7) docker-runner
 Tags: [docker](#)

Commit [2f53c87e](#)
 yay

Pipeline #2 for main
[build](#)

→ [build-job](#)

Logs du job réussi



Liste des images push sur docker hub

Étapes et configuration de notre pipeline:

Retrouvable sur git: ***.gitlab-ci.yml***

```
image: docker

services:
  - docker:dind

variables:
  DOCKER_TLS_CERTDIR: ""

stages:
  - build

build-job:
  stage: build
  tags:
    - docker
  before_script:
    - docker login -u $DOCKERHUB_USERNAME -p $DOCKERHUB_TOKEN
  script:
    - docker build -t $DOCKERHUB_USERNAME/udagram-api-feed:$DOCKER_VERSION_TAG ./udagram-api-feed/
    - docker push $DOCKERHUB_USERNAME/udagram-api-feed:$DOCKER_VERSION_TAG
    - docker build -t $DOCKERHUB_USERNAME/udagram-api-user:$DOCKER_VERSION_TAG ./udagram-api-user/
    - docker push $DOCKERHUB_USERNAME/udagram-api-user:$DOCKER_VERSION_TAG
    - docker build -t $DOCKERHUB_USERNAME/udagram-frontend:$DOCKER_VERSION_TAG ./udagram-frontend/
    - docker push $DOCKERHUB_USERNAME/udagram-frontend:$DOCKER_VERSION_TAG
    - docker build -t $DOCKERHUB_USERNAME/udagram-reverseproxy:$DOCKER_VERSION_TAG
      ./udagram-reverseproxy/
    - docker push $DOCKERHUB_USERNAME/udagram-reverseproxy:$DOCKER_VERSION_TAG
```