

Wolt Assignment Screenshots

Docker file to allow insecure registries to push

```
g3devopssavages@cloudshell:~ (wolt-325607)$ cat /etc/docker/daemon.json
{
  "insecure-registries" : ["35.190.117.102:80"]
}
g3devopssavages@cloudshell:~ (wolt-325607)$ sudo service docker restart
[ ok ] Stopping Docker: docker.
[ ok ] Starting Docker: docker.
g3devopssavages@cloudshell:~ (wolt-325607)$
```

Command to login to private registry container

```
g3devopssavages@cloudshell:~/wolt-registry (wolt-325607)$ kubectl exec -it wolt-registry-cdc47d488-jq4vx -c registrycontainer -- sh
/ # bin/registry garbage-collect --dry-run /etc/docker/registry/config.yml
hello-world
hello-world: marking manifest sha256:1b26826f602946860c279f3e658f31050cfff2c596583af237d971f4629b57792
hello-world: marking blob sha256:d1165f2212346b2bab48cb01c1e39ee8ad1be46b87873d9ca7a4e434980a7726
hello-world: marking blob sha256:b8dfde127a2919ff59ad3fd4a0776de178a555a76fff77a506e128aea3ed41e3
ngi
ngi: marking manifest sha256:6fel1397c34b973f3c957f0da22b09b7f11a4802e1db47aef54c29e2813cc125
ngi: marking blob sha256:ad4c705f24d392b982b2f0747704b1c5162e45674294d5640cca7076eba2865d
ngi: marking blob sha256:a330b6cecb98cd2425fd25fce36669073f593b3176b4ee14731e48c05d678cdd
ngi: marking blob sha256:e0ad2c0621bc497b97748af8ca5767c8e7528f6d3fe9118fdb4d5d11faf49171
ngi: marking blob sha256:9e56c3e0e6b7d4a8cc1719050e6573d2da2703b9d20097a3522b890e0ecf9fb8
ngi: marking blob sha256:09f31c94adc624db7764fc3b46eb26c110c49056e18573e8d81f8cf9afb5a947
ngi: marking blob sha256:32b26e9cdb837f314a3de1e50ba33e841eff1638c93e244b57304caf91b0fd10
ngi: marking blob sha256:20ab512bbb071cf0ca402b08d84c317f21cb888e49d6ffca7f851f1db3438e5b
nginx
11 blobs marked, 0 blobs and 0 manifests eligible for deletion
```

```
g3devopssavages@cloudshell:~/wolt-registry (wolt-325607)$ kubectl get po
NAME                READY   STATUS    RESTARTS   AGE
app-redis-0         1/1     Running   0           2d1h
app-redis-1         1/1     Running   0           2d1h
app-redis-2         1/1     Running   0           2d1h
wolt-registry-cdc47d488-jq4vx  1/1     Running   0           2m51s
wolt-registry-cdc47d488-w45r9  1/1     Running   0           2m51s
g3devopssavages@cloudshell:~/wolt-registry (wolt-325607)$ kubectl exec -it wolt-registry-cdc47d488-jq4vx -c registrycontainer -- sh
```

Docker login using basic auth to private registry and push image

```
g3devopssavages@cloudshell:~/wolt-registry (wolt-325607)$ docker login 35.190.117.102:80
Username: khajan
Password:
WARNING! Your password will be stored unencrypted in /home/g3devopssavages/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
g3devopssavages@cloudshell:~/wolt-registry (wolt-325607)$ docker push 35.190.117.102:80/ngi
Using default tag: latest
The push refers to repository [35.190.117.102:80/ngi]
fac15b2caa0c: Layer already exists
f8bf5746ac5a: Layer already exists
d11eedadbd34: Layer already exists
797e583d8c50: Layer already exists
bf9ce92e8516: Layer already exists
d000633a5681: Layer already exists
latest: digest: sha256:6fel1397c34b973f3c957f0da22b09b7f11a4802e1db47aef54c29e2813cc125 size: 1570
```

Kubectl command to create htpasswd secret from file

```
g3devopssavages@cloudshell:~/wolt-registry (wolt-325607)$ kubectl create secret generic registry-auth --from-file=auth/htpasswd -o yaml
apiVersion: v1
data:
  htpasswd: a2hhamFuOmtoYWphbnBhc3N3b3Jk
kind: Secret
metadata:
  creationTimestamp: "2021-09-12T20:22:42Z"
  name: registry-auth
  namespace: default
  resourceVersion: "1061951"
  uid: 0f19727b-b235-4f1a-81b9-84230d722e31
type: Opaque
g3devopssavages@cloudshell:~/wolt-registry (wolt-325607)$ kubectl get secret
```

NAME	TYPE	DATA	AGE
default-token-566vq	kubernetes.io/service-account-token	3	2d13h
registry-auth	Opaque	1	7s

To authenticate using cli for htpasswd using curl Apl

```
g3devopssavages@cloudshell:~ (wolt-325607)$ echo -n "khajan:khajanpassword" | base64
a2hhamFuOmtoYWphbnBhc3N3b3Jk
g3devopssavages@cloudshell:~ (wolt-325607)$ curl -i \
> -H 'Accept:application/json' \
> -H 'Authorization:Basic a2hhamFuOmtoYWphbnBhc3N3b3Jk' \
> 35.190.117.102:80/v2/_catalog
HTTP/1.1 200 OK
Content-Type: application/json; charset=utf-8
Docker-Distribution-API-Version: registry/2.0
X-Content-Type-Options: nosniff
Date: Mon, 13 Sep 2021 06:28:46 GMT
Content-Length: 46
Via: 1.1 google

{"repositories":["helo-world","ngi","nginx"]}
g3devopssavages@cloudshell:~ (wolt-325607)$
```