docker-registry-web

Web UI, authentication service and event recorder for private docker registry v2.

Token authentication requires RSA private key in PEM format and certificate matched with this key

1. Generate private key and certificate

mkdir docker\_secure\_registry\_2/conf

openssl req -new -newkey rsa:4096 -days 365 -subj "/CN=uat-rancher-server-21.uatdomain" -nodes -x509 -keyout conf/auth.key -out conf/auth.cert

1. Create registry config docker\_secure\_registry\_2/conf /registry-srv.yml

version: 0.1

storage:

filesystem:

rootdirectory: /var/lib/registry

http:

addr: 0.0.0.0:5000

auth:

token:

# external url to docker-web authentication endpoint

realm: http://uat-rancher-server-21.uatdomain:8081/api/auth

# should be same as registry.name of registry-web

service: uat-rancher-server-21.uatdomain:5000

# should be same as registry.auth.issuer of registry-web

issuer: 'my issuer'

# path to auth certificate

rootcertbundle: /etc/docker/registry/auth.cert

1. Start docker registry

docker run -v /home/danny/docker\_secure\_registry\_2/conf/registry-srv.yml:/etc/docker/registry/config.yml:ro -v /home/danny/docker\_secure\_registry\_2/conf/auth.cert:/etc/docker/registry/auth.cert:ro -p 5000:5000 --name registry-srv -d registry:2

1. Create configuration file docker\_secure\_registry\_2/conf /registry-web.yml

registry:

# Docker registry url

url: http://registry-srv:5000/v2

# Docker registry fqdn

name: uat-rancher-server-21.uatdomain:5000

# To allow image delete, should be false

readonly: false

auth:

# Enable authentication

enabled: true

# Token issuer

# should equals to auth.token.issuer of docker registry

issuer: 'my issuer'

# Private key for token signing

# certificate used on auth.token.rootcertbundle should signed by this key

key: /conf/auth.key

1. Start registry-web

docker run -v /home/danny/docker\_secure\_registry\_2/conf/registry-web.yml:/conf/config.yml:ro -v /home/danny/docker\_secure\_registry\_2/conf/auth.key:/conf/auth.key -v /home/danny/docker\_secure\_registry\_2/db:/data -it -p 8081:8080 --link registry-srv --name registry-web -d hyper/docker-registry-web

1. Web UI will be available on http://localhost:8081 with default admin user/password admin/admin.