JUG Summer Camp 2018

Hosts

```
127.0.0.1   www.jsc.fr api.jsc.fr admin.jsc.fr kibana.jsc.fr
elastic.jsc.fr keycloak.jsc.fr otoroshi.jsc.fr otoroshi-api.jsc.fr
privateapps.jsc.fr ingester.jsc.fr
```

Run

```
rm -rf RUNNING_PID
docker-compose build
docker-compose up
yarn install
yarn build-front-dev
yarn start
java -Dapp.privateapps.port=8080 -Dapp.domain=jsc.fr -
Dapp.importFrom=./config/otoroshi.json -Dapp.webhooks.size=20 -jar
$OTO_BIN/otoroshi.jar
```

Links

- http://keycloak.jsc.fr:8889
- http://elastic.jsc.fr:8889
- http://kibana.jsc.fr:8889
- http://ingester.jsc.fr:8889
- http://www.jsc.fr:8080
- http://api.jsc.fr:8080
- http://admon.jsc.fr:8080
- http://otoroshi.jsc.fr:8080
- http://otoroshi-api.jsc.fr:8080
- http://privateapps.jsc.fr:8080
- http://127.0.0.1:9000

Scenario

- start the classic app
- start otoroshi
- show the app
  - otoroshify the app `www.jsc.fr`
- configure elastic
  - indroduce some traffic with wrk (wrk2 -t4 -c20 -d500s -R 4 --latency http://www.jsc.fr:8080)
  - show otoroshi metrics

- show otoroshi global metrics
- show kibana metrics
  - http://kibana.jsc.fr:8889/app/kibana#/dashboard/75999180-a1f8-11e8-9b2a-4be8eafc82e8?_g=(refreshInterval:(display:Off,pause:!f,value:0),time:(from:now%2Fd,interval:'1m',mode:quick,timezone:Europe%2FBerlin,to:now%2Fd))&_a=(description:'',filters:!(),fullScreenMode:!f,options:(darkTheme:!f,hidePanelTitles:!f,useMargins:!t),panels:!((embeddableConfig:(vis:(legendOpen:!f)),gridData:(h:13,i:'1',w:11,x:0,y:0),id:'40fbc2d0-a1f9-11e8-9b2a-4be8eafc82e8',panelIndex:'1',type:visualization,version:'6.3.0'),(embeddableConfig:(vis:(legendOpen:!f)),gridData:(h:13,i:'2',w:11,x:11,y:0),id:'941ac0b0-a1f9-11e8-9b2a-4be8eafc82e8',panelIndex:'2',type:visualization,version:'6.3.0'),(embeddableConfig:(),gridData:(h:13,i:'3',w:13,x:35,y:0),id:d7daf5e0-a1f9-11e8-9b2a-4be8eafc82e8,panelIndex:'3',type:visualization,version:'6.3.0'),(embeddableConfig:(),gridData:(h:8,i:'4',w:48,x:0,y:22),id:'13de93d0-a1fa-11e8-9b2a-4be8eafc82e8',panelIndex:'4',type:visualization,version:'6.3.0'),(embeddableConfig:(vis:(legendOpen:!f)),gridData:(h:9,i:'5',w:48,x:0,y:13),id:'6e64dd00-a1fa-11e8-9b2a-4be8eafc82e8',panelIndex:'5',type:visualization,version:'6.3.0'),(embeddableConfig:(vis:(legendOpen:!f)),gridData:(h:8,i:'6',w:48,x:0,y:30),id:d963c350-a1fa-11e8-9b2a-4be8eafc82e8,panelIndex:'6',type:visualization,version:'6.3.0'),(embeddableConfig:(vis:(legendOpen:!f)),gridData:(h:9,i:'7',w:48,x:0,y:38),id:'497ea560-a1fb-11e8-9b2a-4be8eafc82e8',panelIndex:'7',type:visualization,version:'6.3.0'),(embeddableConfig:(),gridData:(h:13,i:'8',w:13,x:22,y:0),id:afa32cd0-a1fb-11e8-9b2a-4be8eafc82e8,panelIndex:'8',type:visualization,version:'6.3.0')),query:(language:lucene,query:'%2B@type:+%22GatewayEvent%22'),timeRestore:!f,title:Otoroshi,viewMode:view)
- show the user dashboard with jwt token
  - otoroshify dashboard `www.jsc.fr:8080/dashboard`
  - add jwt token verification
    - rename email then change it
- show the search api
  - otoroshify the api on `api.jsc.fr` and `www.jsc.fr:8080/api/shows` (use additional headers with a valid JWT token from jwt.io)
  - add cors on the api
  - issue an apikey
  - test with curl
    - curl http://api.jsc.fr:8080/shows/_search?name=bre -u --include
  - show metrics and quotas (via ui, and kibana)
- show the admin ui
  - start keycloak
    - create realm
    - create user
    - log out
  - configure otoroshi auth
    - http://keycloak.jsc.fr:8889/auth/realms/master/protocol/openid-connect/auth
    - http://keycloak.jsc.fr:8889/auth/realms/master/protocol/openid-connect/token
    - http://keycloak.jsc.fr:8889/auth/realms/master/protocol/openid-connect/userinfo

- http://keycloak.jsc.fr:8889/auth/realms/master/protocol/openid-connect/auth
- http://keycloak.jsc.fr:8889/auth/realms/master/protocol/openid-connect/logout
- http://privateapps.jsc.fr:8080/privateapps/generic/callback
  - otoroshify admin and add auth on `www.jsc.fr:8080/admin`
  - expose admin on `admin.jsc.fr` other domain and use snow monkey to create a redirect
    - ne pas oublier `/admin/`
  - show that your name appears at top right when otoroshi exchange proto enabled
- swap api with tvdb implementation
  - introduce fake network errors with node to show circuit breaker ?
- **show snowmonkey and try it on the api ???**
    - add retries js side
- swap api with new implementation
  - yarn start --- --module=apitvdb:9001
  - change www-api
  - change api
- swap admin ui with new implementation
  - yarn start --- --module=adminnew:9002
  - change admin
  - change admin-standalone
- swap home with new theme
  - yarn start --- --module=homenew:9003
  - change www
  - change www-dashboard
- stop old app, everything should work
- and we're done !!!!

Todo

- fix _histogram in ingester 😦