TP - Extras

⚠️ Checkpoint: call us to check your results
(don't stay blocked on a checkpoint if we are busy, we can check ⅔ checkpoints at the same time)

❓Point to document/report

ℹ️ Interesting information

Goals

Setup the extra infrastructure tools and become the devops master.

Load balancing

Redundancy

In this section our goal will be to have a redundant backend. Instead of having a single backend application let's have 2 (Why not more? Do not forget that your server does not have unlimited resources).
Setup 2 backends instances: backend-1/backend-2 or backend-blue/backend green (my personal favorite).

Actual load balancing

Setup your reverse proxy to do some actual load-balancing between your 2 backends using:
https://httpd.apache.org/docs/2.4/en/mod/mod_proxy_balancer.html.
Start by setting up your load balancing on your dev environment, once you are satisfied with the behavior deploy it to your production.

ℹ️ Ask yourself: why can we that easily load balance between our backends? Heard of sticky sessions or stateless apps?

⚠️ Checkpoint: do you loadbalance?

Graphana

Setup Grafana with Ansible to monitor your instance:
https://galaxy.ansible.com/cloudalchemy/grafana

Useful links:
https://grafana.com/docs/grafana/latest/installation/configuration/
https://github.com/grafana/grafana

⚠️ `Checkpoint: do you Graphana?`