DEVOPS SEMINAR
INFRASTRUCTURE

DEVOPS SEMINAR

This is a continuation from yesterday, so please use the virtual machine server from the previous day.

Download the autograder on the `vm-server` and use it from there.

Task 01 - Backend

The provided backend must be located in `/var/www/backend`.
It must be available, through *Apache2*, on the port `8080`.
You must install the required php modules in order for it to run.
API must be available at `http://localhost:8080/`

virtualhost, symfony deployment

Task 02 - Admin Security

Inside the admin application provided, you have an administrator section.
This `scriptadmin.php` must be available on `http://localhost:8080/admin`.
This section is not secured and it is accessible by everyone.
You must secure it with *Apache2* features.

It is forbidden to modify the application code.

basic auth

{ EPITECH }

Task 03 - Security

Configure the firewall *iptables* with the following characteristics:

- ✓ Rules have to be written in the `/etc/iptables/rulesv4.3` ;
- ✓ Allow service *ssh* (input and output) ;
- ✓ Allow *HTTP* protocol (output) ;
- ✓ Other authorizations necessary to run frontend and backend ;
- ✓ The other ports must be blocked and *iptables* configurations must not be wiped at reboot.

You must be able to update package (*apt*) after application of theses rules.
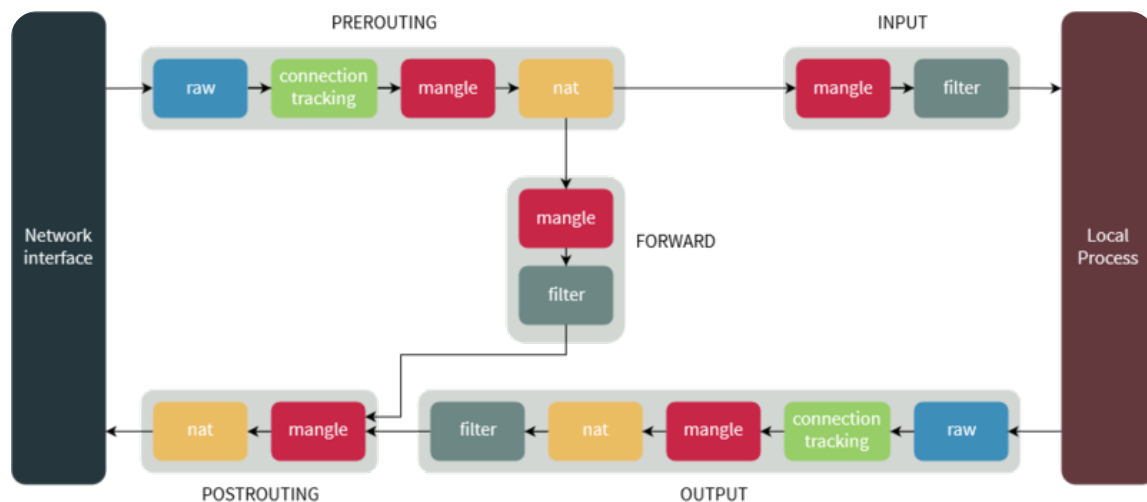
Task 04 - Local backup

Your mission is to create a script:

- ✓ located in `/backup/backup.sh` ;
- ✓ that backup the database ;
- ✓ and compress it in the `/backup` directory.

{ EPITECH }

Task 05 - Recurring scratches

The previous script must be automatically executed every hour by the user `root`.

Task 06 - HTTPS admin

Enable *HTTPS* protocol for admin panel. (see Task 02)

> 💡 self-signed certificate

Task 07 - END

Eventually, if everything works, a success message is displayed on your front JS app.

> 💡 This app has been deployed yesterday.

{EPITECH}

v 1.2

{EPITECH}
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* apprendre autrement