



DEVOPS SEMINAR

INFRASTRUCTURE



* apprendre autrement

DEVOPS SEMINAR



Slug of the day: nsapoold04



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/`



You can adapt your dependencies if necessary.



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.



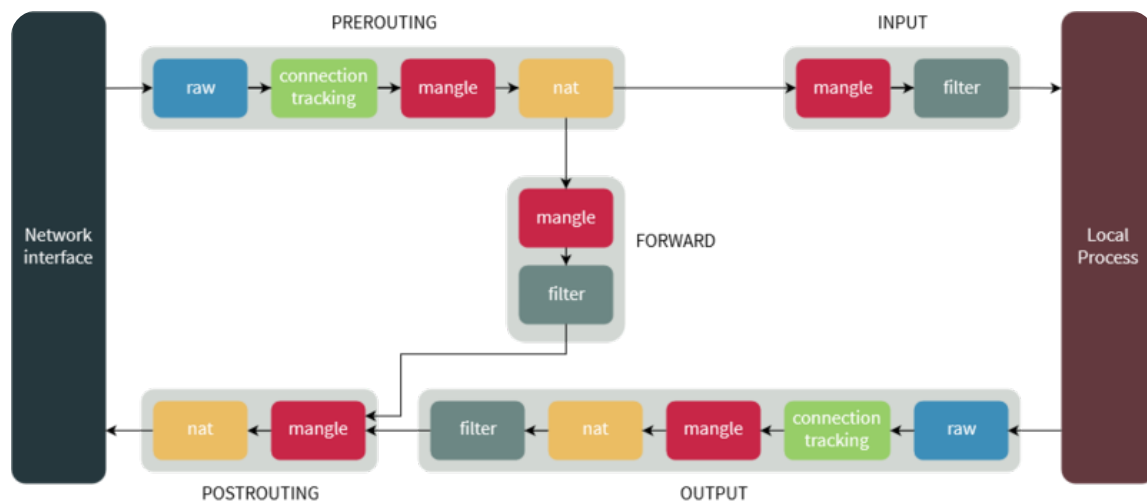
basic auth

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.

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}
LEARN DIFFERENT*

* apprendre autrement