



DEVOPS SEMINAR

FULL STACK



* apprendre autrement

DEVOPS SEMINAR



Slug of the day: `nsapoold03`



The whole day should be done on a new virtual machine.

Task 00 - Server machine

Create a new Debian 11 VM which does not have graphical interface.



You can NOT keep yesterday's machine.



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

Task 01 - Binaries required

For this day you need to install some binaries:

- ✓ curl
- ✓ symfony
- ✓ composer
- ✓ php >= 8.0
- ✓ node > 14
- ✓ mysql-client

These binaries can be called anywhere.



environment variable

Task 02 - Web server

You must install apache2 and configure it.
The apache server must answer on port 80.

Task 03 - Database

For running the infrastructure, you must install a database engine.
The backend needs a special version of mysql (5.7) to work.

Install the database provided.
Root account for database must be have the following password: **Nm3ZaMg64**

Mysql-server must be available from outside of the **vm-server**.



mysql_secure_installation

Task 04 - Configure database

Create a user for the database with the following features:

- ✓ user: **data-backend**
- ✓ rights: All on all databases
- ✓ password: **EwUrk9Q46**

Task 05 - Phpmyadmin

Install *phpmyadmin* in order to manage the database.

This panel must be available at [http://\[yourLocalIP\]:8000/phpmyadmin](http://[yourLocalIP]:8000/phpmyadmin)

Task 06 - Frontend

The provided frontend must be located in `/var/www/frontend`.

It must be available on port 80 at [http://\[yourIP\]/](http://[yourIP]/).



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