T5 - Systems and Networks Seminar

T-SRS-500

Day 02

Sudo, upgrade et downgrade.

{EPITECH.}

The whole day should be done on the two previously created VMs.

Task 01 - Root shall not pass

For security reasons, the root user must not be able to log in via ssh.

Task 02 - sudo

Configure your VMs so that *marvin* can use the sudo command without typing their password.
It must work via ssh.

You can also do this for your user.

zaphod must be able to use sudo (without a password as well) but only for the following command :

```
sudo emacs /etc/resolv.conf
```

Task 03 - packages

Install the libcaca related packages on your two VMs.
Install Fluxbox and configure its launch on startup.
Install Perl.
Install FLTK sudoku.

Task 04 - X forwarding

Make sure to set up your VMs so that you can, for example, launch an xterm deported on Windows.

> i.e., launching graphics using the SSH connection

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Task 05 - Bad version

For obscure reasons, ensure that perl is downgraded to version 5.10.1

Task 06 - No Game, No Pain

The administrator, *root*, doubts the usefulness of a game on the servers.
So plan a script named "remove_game.sh" in their home folder that uninstalls "FLTK sudoku", they might need it.
The script must be executable with bash as follows:
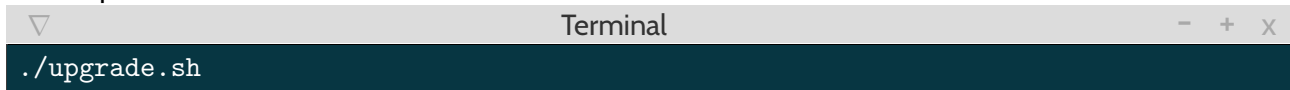
```
./remove_game.sh
```

Task 07 - upgrade

With the *root* user, create a script named "upgrade.sh" in their home.
This script must update all packages except Perl, and install the new dependencies without asking for confirmation.
The script must be executable with bash as follows:

```
./upgrade.sh
```

Task 08 - Level UP

Update your OS with their latest stable versions and check that everything is working properly.