

# INTERNET (MOD. A) LAB EXAM

The exam consists of two independent exercises (*exercise1* and *exercise2*), respectively worth up to 7 and 3 points (total 10).

## EXERCISE 1

### STARTUP

From the previous terminal windows type:

```
$ cd exercise1  
$ lstart
```

and wait until all virtual machines (**r1**, **r2**, **r3** and **r4**) are up and running. The virtual machines are connected accordingly to the **SCHEME 1** and already configured with the correct IP addresses on all interfaces.

### EXAM TASKS

Make all the routers communicate with each other (each machine must be able to ping all interfaces, i.e. all IP addresses, of any other machine) by adding static routing entries.

During the lab exam you will be walked through the steps for saving your results and lab configuration.

At the end, from the previous terminal windows type:

```
$ lclean  
$ lwipe
```

to destroy the lab.

# EXERCISE 2

## STARTUP

This part refers to a simple network with only two machines, named **pc** and **srv** as illustrated in **SCHEME 2**.

From the previous terminal window type:

```
$ cd ../exercise2
$ lstart
```

and wait until all virtual machines (**pc**, **srv**) of the network are up and running.

Network interfaces are all already configured and **srv** is running a **web server** on the standard TCP port (80).

## EXAM TASKS

Configure the linux firewall on **srv** so that all input and output traffic is dropped except incoming web requests and related outgoing replies.

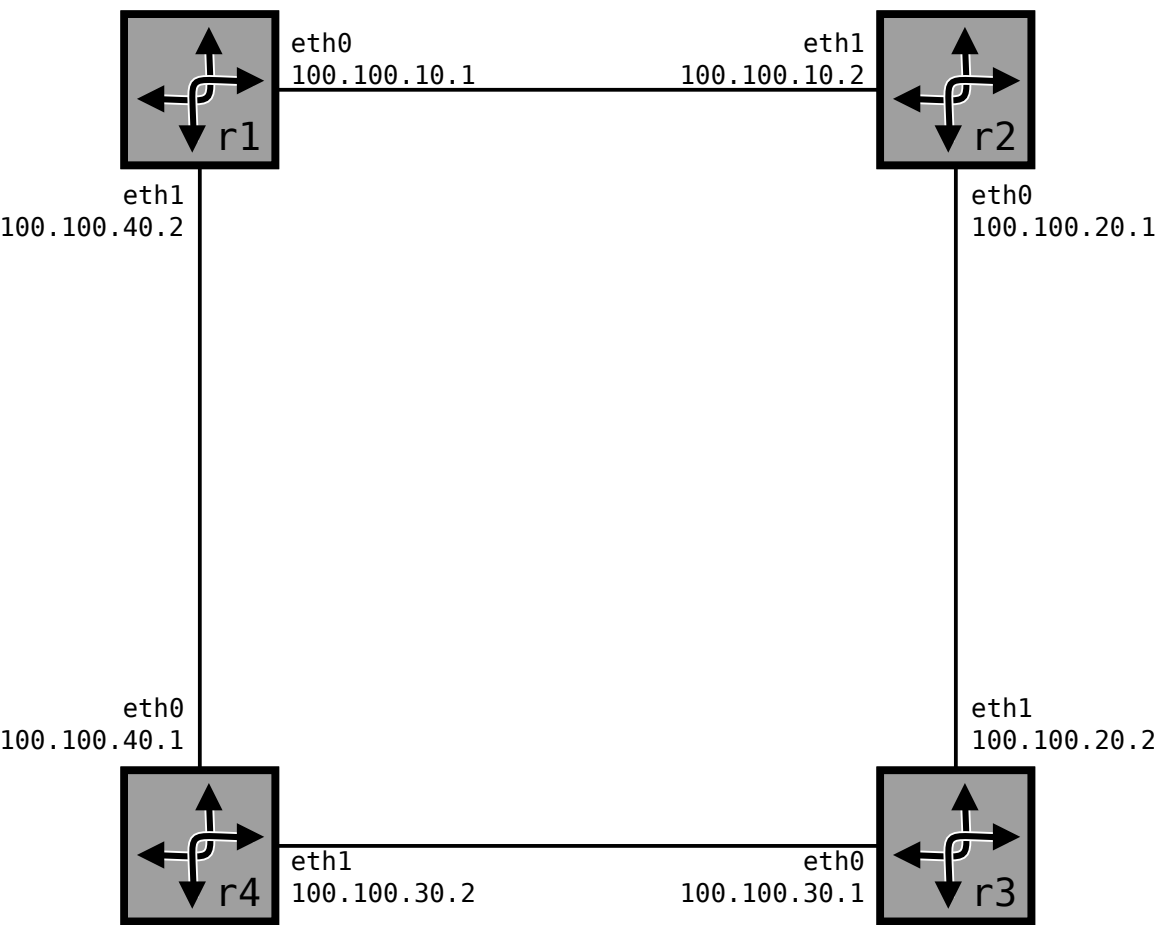
During the lab exam you will be walked through the steps for saving your results and lab configuration.

At the end, from the previous terminal windows type:

```
$ lclean
$ lwipe
```

to destroy the lab.

# EXERCISE 1 - SCHEME 1



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# EXERCISE 2 - SCHEME 2

