Bachelor Cycle – Networking Cisco CCNA

Rush 1 (Session n°2)

Preliminaries

Each group will have:

- 4 PCs.

In the subject, **gn** corresponds to your group number.

The rush is divided in several steps; you step must be validated by a teaching assistant before you could move to the next one.

If you are asked to make a diagram, it must be neat and in digital format. No paper diagram will be accepted (Software: Visio or Dia)

Any departure of a group needs to be reported to one of the assistants. Any breach of this rule will result in a -21 to members of the group.

If several groups had to work together, work should be done by the partner group (bonus will be assigned to them).

The last 10 minutes of the rush will be devoted to the cleaning of the room and the bay :

- ✓ Erase the configurations ;
- ✓ Unplug the equipment ;
- ✓ Storage the cables
- ✓ …etc.

If a group left without respecting this rule, a penalty will be given.

All claims must be addressed to the ASR laboratory at the following address: asr_paris@epitech.eu within 10 days of the publication of grades.

Step 1

To validate this step, you must create a diagram for the entire network of the rush.

You need to show:

- The PCs ;
- IP addresses (network address, interface address, broadcast address and subnet mask for networks).

After 1h, if you have not validated your diagram, the assistants will provide you one. In this case, your step will not be validated but you can continue your rush.

An assistant must validate your step.

Step 2

C Class : 192.168.gn+100.0/24

- Connect PC1 to PC4

C Class : 192.168.gn+200.0/24

- Connect PC2 to PC4

C Class : 192.168.gn+30.0/24

- Connect PC3 to PC4

PC1, PC2 and PC3 should be able to communicate with the PC4 **only**.

An assistant must validate your step.

Step 3

Configure the 4 computers so they can all communicate.

An assistant must validate your step.

Step 4

Find another group to complete this step.

C Class : 192.168.gn1+gn2.0/24

- Connect your PC4 to the PC4 of another group.

Warning: "gn1" is your group number and "gn2" is the other group number.

Configure all computers and all your computers can communicate with those in the other group.

An assistant must validate your step.

Bonus

If you have **finish** before the end of the rush, you have the opportunity to earn one bonus point by making a straight or a crossover cable.