

I5020 Computer Security

Quizz 5: Network protection

This assessment evaluates the following competencies:

- *CS203 – Understand hardware protections that can be installed on a computer system*
- *CS205 – Identify security risks related to operating systems, network, database, cloud and IoT and propose solutions to decrease them*

Three affirmations are given for each assessed competency. For each of them, you have to decide whether it is true or false. To get a star for the competency, you must have the correct answer for the three affirmations.

| CS203 | True | False |
|--|--------------------------|--------------------------|
| An Intrusion Prevention System (IPS) has the ability to block the traffic on a network link. | <input type="checkbox"/> | <input type="checkbox"/> |
| Thanks to a firewall, it is possible to prevent employees from a company to connect on a specific external server on the internet. | <input type="checkbox"/> | <input type="checkbox"/> |
| An NIDS can be used as a part of a solution to help detecting DDoS attacks. | <input type="checkbox"/> | <input type="checkbox"/> |

| CS205 | True | False |
|---|--------------------------|--------------------------|
| Configuring the ICMP protocol to allow external machines to ping your server is a good default choice regarding computer security. | <input type="checkbox"/> | <input type="checkbox"/> |
| A firewall just doing packet filtering may be a weakness of a system because of all the memory buffers it needs and that can be saturated with a SYN flooding attack. | <input type="checkbox"/> | <input type="checkbox"/> |
| A multi-threaded web server (such as Apache) can be attacked by sending it unfinished HTTP requests that can prevent the server to start any new threads. | <input type="checkbox"/> | <input type="checkbox"/> |