

# Networks and Systems Security II - Winter 2022

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February 11, 2022

## Exercise 2 (total points: 35)

Due date: Feb 18. Time: 23:59 Hrs.

### 1 Penetration Testing (total points: 35)

You have been given a virtual machine. It is in `.ovf` format so that you can import it to either VirtualBox or VMware. Your objective is to use your knowledge/skills of reconnaissance and penetration testing and acquiring access to “root” account. You may use your host machine or a third VM to run various penetration testing tools. You can use the `katoolin/blacktool` script interface to install tools like `nmap`, `nikto`, `dirbuster`, `metasploit` etc.

What you need to submit.

1. Screenshots of the steps, and commands used, along with description of these commands and their options, specifically used for compromising the root account. (30 points).
2. Description of the steps taken with (expected) outcomes (5 points).