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SCALE FOR PROJECT FT_NMAP (/PROJECTS/42CURSUS-FT_NMAP)

You should evaluate 2 students in this team



Git repository

git@vogsphere-v2.1337.ma:vogsphere/intra-uuid-e5ab579f-89ff-4cde-a88



Guidelines

- You must only evaluate what you will find in the student's or group's GiT repository.
- Take the time to check that the GiT repository matches the student or group and the project.
- Double check that no malicious alias was used to mislead you and make you grade something different from the official repository content.
- If a script supposed to help evaluate the exam is supplied by either side, the other side will have to strictly check it to avoid nasty surprises.
- If the evaluating student has not yet taken this project, they will have to read the exam subject in its entirety before starting the evaluation.
- Use the flags available on this grading system to signal an empty or non-functional project, a norm flaw, cheating, etc. In that case, evaluation stops and final grade is 0 (or -42 if it's a cheating problem). However, if it's not a cheating problem, you are invited to keep talking about the work that has been done (or not done, as a matter of fact) in order to identify the issues that lead to this stalemate and avoid it next time.
- Evaluation must be made with a virtual machine running Linux with a core > 3.14 with root rights.

Attachments

subject.pdf (https://cdn.intra.42.fr/pdf/pdf/143935/en.subject.pdf)

ft_nmap basic tests.

Program without arguments

The program checks if the user owns the necessary permissions and runs correctly with the "help" option.
It displays a clear, simple and correct explanation of its use.

☒ Yes☐ No

Using the project with a working IPv4 address

ft_nmap with a working Ipv4 only.

Run the program with a valid and functional IPv4 address as parameter.
The scan might take a little while, but there's nothing to worry about.
At the end of the scan check:

- The header should show that there are 1024 ports to scan.
- The 6 scan types are clearly identifiable in the result.
- The range of the scanned port must be available in the result.
- The name of the services used by each port must be available in the result.
- The scan time must be available in the result.
- There is a difference between open ports and others (closed, etc..).

If one of the conditions is not met, the evaluation stops.

✔ Yes

✕ No

ft_nmap with a working Ipv4 and custom values

Run the program with a valid and functional IPv4 the following options as arguments:

- The evaluator will choose the range of ports (no more than 10 ports here).
- You must set the scan type to perform a SYN NULL scan.
- You must set the number of threads to 200.

You have to run the real nmap to compare the results.

The arguments we used are visible in the scan result.

The evaluation group must be able to explain this type of scan.

The scan should not exceed 20 seconds.

If one of the conditions has not been met, evaluation stops.

✔ Yes

✕ No

Use of the project with a file containing functional IPV4 addresses.

ft_nmap with a file and FIN XMAS scan.

Run the program with a file containing a valid list of IPv4 and hostnames with the following options as parameters:

- The evaluator will choose the range of ports (no more than 10 ports here).
- You must set the scan type to perform a FIN XMAS scan.
- You must set the number of threads to 250.

You have to run the real nmap to compare the results.

The arguments we used are visible in the scan result.

The evaluation group must be able to explain this type of scan.

If one of the conditions has not been met, evaluation stops.

✔ Yes

✕ No

ft_nmap with file and ACK UDP scan.

Run the program with a file containing a valid list of IPv4 and hostnames with the following options as parameters:

- The evaluator will choose the range of ports (no more than 10 ports here).
- You must set the scan type to perform an ACK UDP scan.
- You must set the number of threads to 70.

You have to run the real nmap to compare the results.

The arguments we used are visible in the scan result.

The evaluation group must be able to explain this type of scan.

If one of the conditions has not been met, evaluation stops.

✔ Yes

✕ No

Using the project to identify services.

Use the project to identify a single service with a single valid hostname.

Run the program with the following parameters:

- The IP address used will be the hostname google.fr.
- Port 79 will be the only port to scan.
- You must set the scan type to perform a NULL scan.

You have to run the real nmap to compare the results.

The arguments we used are visible in the scan result.

The evaluation group must be able to explain this type of scan.

The scan must not take more than 1 second.

✓ Yes

✗ No

Use the project to identify multiple services with a single valid hostname.

Run the program with the following parameters:

- The IP address used will be the hostname google.fr.
- The port range will be set from 10 to 20.
- You must set the scan type to perform a SYN scan.

You have to run the real nmap to compare the results.

The arguments we used are visible in the scan result.

The evaluation group must be able to explain this type of scan.

✓ Yes

✗ No

Use the project with the options you want.

Use the project with the options you want.

The person evaluating the project is free to perform slightly more complex tests:

- Try to add a negative value to the port.
- Try to use an empty file.
- Try using a different number of threads and measure that the scan really goes faster.
- Etc..

Really do some advanced testing. If one of the tests has a real problem then the evaluation stops here and you have to check the "incomplete work" or "Concerning situation" flag.

✓ Yes

✗ No

ft_nmap bonus

Bonus points are only available if ALL the previous points are valid.

Bonus for this project

Flags -v and -V do not count as bonuses

Rate it from 0 (failed) through 5 (excellent)

5

Ratings

Don't forget to check the flag corresponding to the defense

✓ Ok

★ Outstanding project

Empty work

📁 Incomplete work

📄 No author file

⚙️ Invalid compilation

📄 Norme

📄 Cheat

💥 Crash

👤 Incomplete group

⚠️ Concerning situation

🚫 Forbidden function

Conclusion

Leave a comment on this evaluation

Finish evaluation

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