 Student Name: []

 Student Email: []


Reflection (Required)

 **Reflection Question #1:** If I had to **explain “what is a directory traversal attack” in 3 emojis**, they would be...


(Feel free to put other comments about your experience in this unit here, too!)



Initially, I didn't understand what was happening, but after experimenting with the attack script, I realized that this type of attack is all about manipulating the directory. It all makes sense now.

 **Reflection Question #2:** Why do we use a **.sh** file to run our attack?

Shell scripts help to ensure the order of commands is executed in the same manner every time, such as performing our attack after waiting for the server to start. Additionally, shell scripts help to greatly reduce the number of characters typed into the terminal. It is far easier to type `./<file-name>.sh` than typing out every command each time.

 **Shoutouts:** Share appreciation for anyone who helped you out with this project or made your day a little better!

Shoutout to the Slack bot for the assignment reminder!

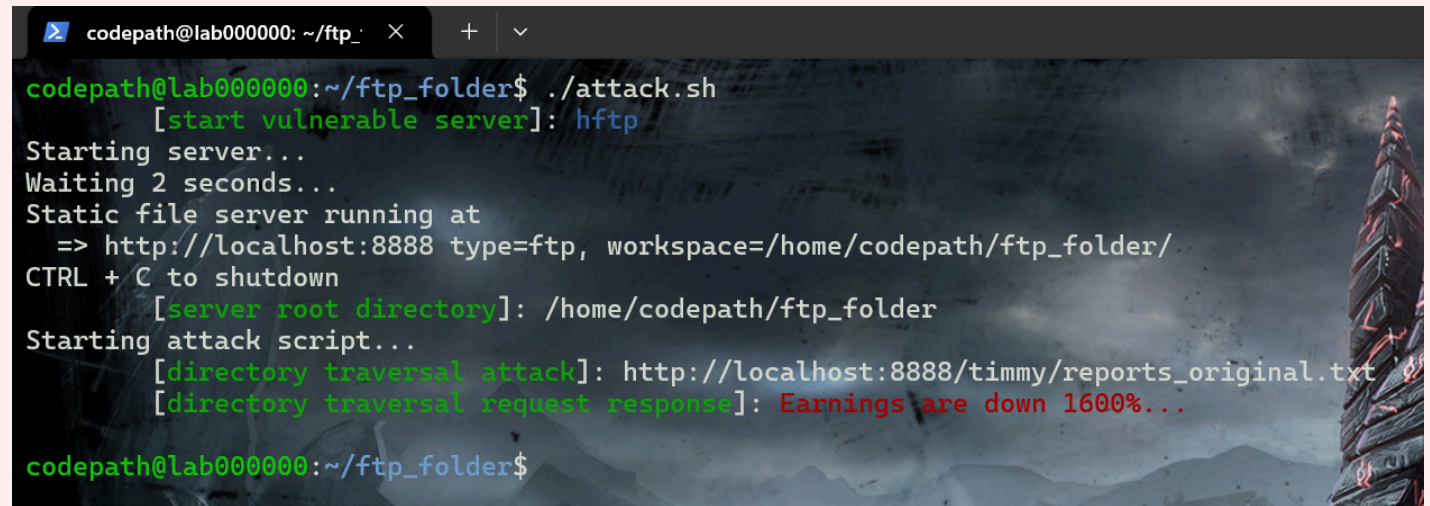
Required Challenges (Required)

Item #1: A screenshot of your completed `attack.sh` file:

1. cosmo/rocknames.txt
2. timmy/reports_original.txt
3. wanda/passwords.txt

Stretch Challenge (Optional)

Item #1: A screenshot of your Directory Traversal attack output to find the REAL earnings:
(using the `cat` command to view the file doesn't count!)



```
codepath@lab000000: ~/ftp_ X + v
codepath@lab000000:~/ftp_folder$ ./attack.sh
[start vulnerable server]: hftp
Starting server...
Waiting 2 seconds...
Static file server running at
=> http://localhost:8888 type=ftp, workspace=/home/codepath/ftp_folder/
CTRL + C to shutdown
[server root directory]: /home/codepath/ftp_folder
Starting attack script...
[directory traversal attack]: http://localhost:8888/timmy/reports_original.txt
[directory traversal request response]: Earnings are down 1600%...
codepath@lab000000:~/ftp_folder$
```

Submission Checklist

👉 Check off each of the features you have completed. **You will only be graded on the features you check off.**

Required Challenges

- ☒ Item #1
- ☒ Item #2

Stretch Challenge

- ☒ Item #1

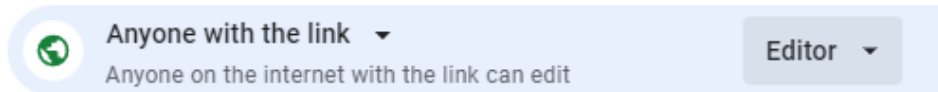
💡 **Tip:** You can see specific grading information, including points breakdown, by going to [the grading page](#) on the course portal.

Submit your work!

Step 1: **Click** the Share button at the top of your screen double check that anyone with the link can edit.



General access



Step 2: **Copy** the link to this document.



Step 3: **Submit** the link on the portal.

Grading

Total Score *

19/16
points

119%

Scoring Breakdown

Category	Feature	Evaluation	Expectation	Points Awarded
Required	Reflection Question #1	There is a response provided.	A response must be provided.	2
Required	Reflection Question #2	There is a response provided.	A response must be provided.	2
Required	Screenshot of completed attack.sh file	The screenshot shows the correct commands for all To-Dos.	This must be a screenshot of the attack.sh file containing the correct commands for all To-Dos	9
Required	Three different files the Directory Traversal attack was able to access	There are three correct directories or filepaths provided.	There must be three directories or filepaths. For example, general/reports.txt	3
Stretch	Screenshot of Directory Traversal attack output to find the REAL earnings	The screenshot shows 1 attack with REAL Earnings.	There must be at least 1 screenshot showing the attack and output to find the real earnings.	3