



Networking Capture the Flag

Cybersecurity
Lesson Plan



Today, we will compete in a **Capture the Flag (CTF)** activity that will test many of the networking skills covered so far.



CTF Instructions and Rules



You'll be provided a spreadsheet with various networking questions.



These are separated into networking categories.



You will download PCAP files to answer the questions.



The answers to questions will serve as the **flags**, which you'll collect and document in your spreadsheet.



Each flag has a different numeric point value. The more challenging the question, the higher the value.



Total points will be calculated automatically in the spreadsheet.



Whoever has the most points by the end of class, or whoever answers all questions correctly first, wins!

CTF Spreadsheet

Networking: Capture the Flag

Total Score: 0

Category	Question Number	Question/Activity	Flag Value	Flag (all lowercase)	Score
Sponge Bob & Square Ports				Place Flag in This Column	
	1	Port of HTTPS	5		0
	2		5		0
	3		5		0
	4		5		0
	5		5		0
	6		5		0
	7	Question or activity	5	Type answer here (lowercase only)	0
	8		5		0
	9		10		0
	10		5		0
	11		15		0

CTF Spreadsheet

Networking: Capture the Flag Cartoon Edition

Total Score: 5

Category	Question Number	Question/Activity	Flag Value	Flag (all lowercase)	Score
Sponge Bob & Square Ports				Place Flag in This Column	
	1	Port of HTTPS	5	443	5
	2		5		0
	3		5		0
	4		5		0
	5		5		0



Important: All text answers must be typed in lowercase.
All numbers answers should omit commas.



1000



1,000

CTF Rules



You can use your class notes, slides, and online materials.



Flags don't need to be answered in order.



Instructors and TAs can assist with technical CTF issues, but won't be helping you to answer any questions.



Good luck! And have fun!



Instructor Demonstration

Capture the Flag

Set up CTF scoring at:
[**keepthescore.co/new**](https://keepthescore.co/new)





Let's get started.

2 hours 20 minutes

[Click to start timer](#)



Time's Up! Let's Review.