Networking Capture the Flag
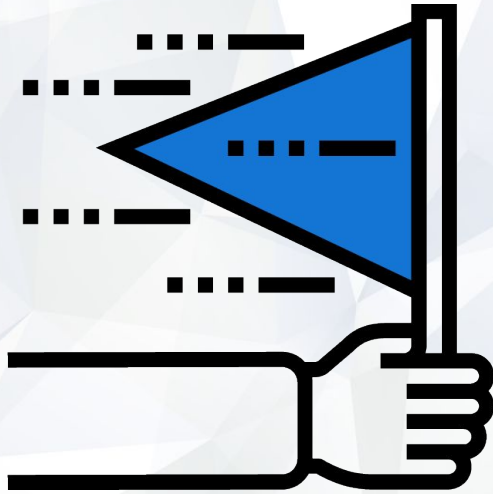
Today we will be conducting a Capture the Flag (CTF) contest.

CTFs are very common cybersecurity training exercises, and often take place at security conferences or training events.

CTF Instructions and Rules

CTF Instructions and Rules

You will be provided a spreadsheet of various networking questions and challenges.

Questions and challenges are separated into various networking categories.

You will be required to download PCAP files in order to answer questions.

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

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

Total points of flags 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 Walkthrough

|	Networking: Capture the Flag				
	Cartoon Edition				
					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	Question or activity	5	Enter answer here	0
	7		5		0
	8		5	**(lowercase only and without commas in numbers)**	0
	9		10		0
	10		5		0
	11		15		0

CTF Spreadsheet Walkthrough

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
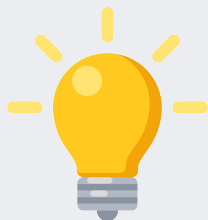
Important: All text answers must be typed in lowercase.

CTF Rules

You are allowed to use all class notes, slides, and online materials to solve the challenges.

Flags do not need to be answered in any specific order. If you are stuck on a question, move on to the next one.

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

And have fun!

Instructor Demonstration

CTF Scoring

Set up CTF scoring at:
keepthescore.co/new

Let's get started.

2 hours 20 minutes

[Click to start timer](#)

Time's Up! Let's Review.