

*Each 6.1800 lecture will come with an outline. You can fill this in during lecture, after lecture, or not at all — it's entirely up to you how you use it. The goal of these outlines is to help you understand the main points that you should be taking away from each lecture. In some cases we will also include examples of things you should be able to do after each lecture.*

*In the past, these outlines have proved to be an effective tool for studying for the exams. Note that the outlines are **not exhaustive**; there will be topics and nuances in lecture that aren't captured by the outline.*

## **Lecture 26: Recent adventures in security + What matters**

*We will **not** include these recent security exploits on the exam, they're just for fun*

- What is the primary way that the ShinyHunters group typically mounts attacks?
- For each of the recommended mitigation principles (“principle of least privilege”, etc.):
  - Why is this a good idea?
  - How would you, a system designer, go about adhering to this principle?
- At a *very high level*, how does the CopyFail attack work?
- At a *very high level*, how does the Mythos-discovered SACK bug work?
- What broader lessons can we take away from these new attacks?
- What responsibility do security researchers have when they uncover new exploits?

*Broader questions — only you know the answer to these!*

- What did you learn in this class?
- Why does it matter?
- What will you do with this knowledge after 6.1800 is over, regardless of whether you intend to work with computer systems again?