

CSIS 1525: Lab 1

(5% overall grade)

OS Pros and Cons

In this exercise, you will roleplay the part of an IT Manager or principal decision maker for a company or large institution. Make a list of 3 features or things that each Operating System does well, and 3 shortcomings or any missing features that would cause a user to find that particular OS a poor fit for a specific use case. If you don't have any firsthand experience using that OS, ask someone who does, or rely on a professional reviewer for opinions. Please name all outside sources, if any, that you cite for this information.

1. **Android**
2. **iOS**
3. **Linux (choose a current Red Hat or Ubuntu desktop GUI version)**
4. **Windows (any current version - choose one of Win7, Win8, or Win10)**
5. **Mac OS X (any current version - choose one of 10.9: Mavericks, 10.10: Yosemite, or 10.11: El Capitan)**

CSIS 1525: Lab 2

(5% overall grade)

Threat Examples

In this exercise, you will catalogue a specific example of each type of threat. For each category, list:

1. The specific name of the threat and year identified,
2. The attack vector or method of infection,
3. What OSes are specifically vulnerable,
4. The impact the threat has had on affected systems, and
5. What recommended steps you can take to prevent or mitigate the threat, or otherwise solve the problem.

You may find it helpful to use the resources at the DHS US-CERT Web site, such as the alerts page at: <https://www.us-cert.gov/ncas/alerts>

- **Botnet**
- **Malware**
- **Trojan horse**
- **Virus or Worm (choose one)**
- **Any recent OS vulnerability**