CS361 Questions: Week 14

These questions relate to Modules 17. Type your answers and submit them on Canvas.

Lecture 76

1. Why is a certification regime for secure products necessary and useful?

2. Explain the components of an evaluation standard.

3. Why would crypto devices have a separate evaluation mechanism?

4. Explain the four levels of certification for crypto devices.

Lecture 77

1. What is the Common Criteria?

2. What's "common" about it?

3. Why would there be any need for "National Schemes"?

4. Explain the difference between a protection profile and a security target.

Lecture 78

1. Explain the overall goal of the protection profile as exemplified by the WBIS example.

2. What is the purpose of the various parts of the protection profile (as exemplified in the WBIS example)?

3. What is the purpose of the matrix on slide 7?

Lecture 79

1. Explain the overall goal of the security target evaluation as exemplified by the Sun Identity Manager example.

2. How do you think that a security target evaluation differs from a protection profile evaluation?

Lecture 80

1. What are the EALs and what are they used for?

2. Who performs the Common Criteria evaluations?

3. Speculate why the higher EALs are not necessarily mutually recognized by various countries.

4. Can vendors certify their own products? Why or why not?

5. If you're performing a formal evaluation, why is it probably bad to reverse engineer the model from the code?

Well done!