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Homework 7

1. Honeypots are decoy systems designed to lure potential attackers away from critical systems
2. An open port is like an open door to the computer and it is important to close unused ports because they can be used by an attacker to send commands to a computer, potentially gain access to a server, and possibly exert control over a networking device
3. Vulnerability scanner is a tool that scans the computer and the network to determine security holes, and they are used to identify usernames and groups and exposed configuration problems and other vulnerabilities in servers
4. The four general forms are:

-What a supplicant knows

-What a supplicant has

-What a supplicant is

-What a supplicant produces

Homework 8

1. A key can be a series of bits used by a computer program, or it can be a passphrase and it’s used in conjunction with an algorithm to create ciphertext from plaintext
2. The 3 basic operations in cryptography are:

- Symmetric Encryption

- Asymmetric Encryption

- Encryption key size

1. The security protocols used to protect email are:

* Secure Multipurpose Internet Mail Extension (S/MIME)
* Privacy Enhanced Mail (PEM)
* Pretty Good Privacy (PGP)

1. 128 bits AES key