

Ubah Yusuf

IST 323

Lab #2 - Using Encryption to Enhance Confidentiality and Integrity"

Part 5: Challenge Question 1. What is the difference between X.509 and PGP certificate types?

X.509 is a standard that is used to identify the format standard of a public keys certificate, it is a way of managing identity and security in internet computer networking. For example, a server may send a digital certificate to a client to prove ownership of a public key. PGP is **an "encryption program that provides cryptographic privacy and authentication for data communication"** PGP has two locks, and two keys, which are session keys, public key and private key and passphrase. A private key is used to unlock a public key. The difference is that you can create your own PGP, but X.509 you must request certificate authority.





