48730, 32548 - Cyber Security & Essentials

Lab 3: Crypto-SSL-X509

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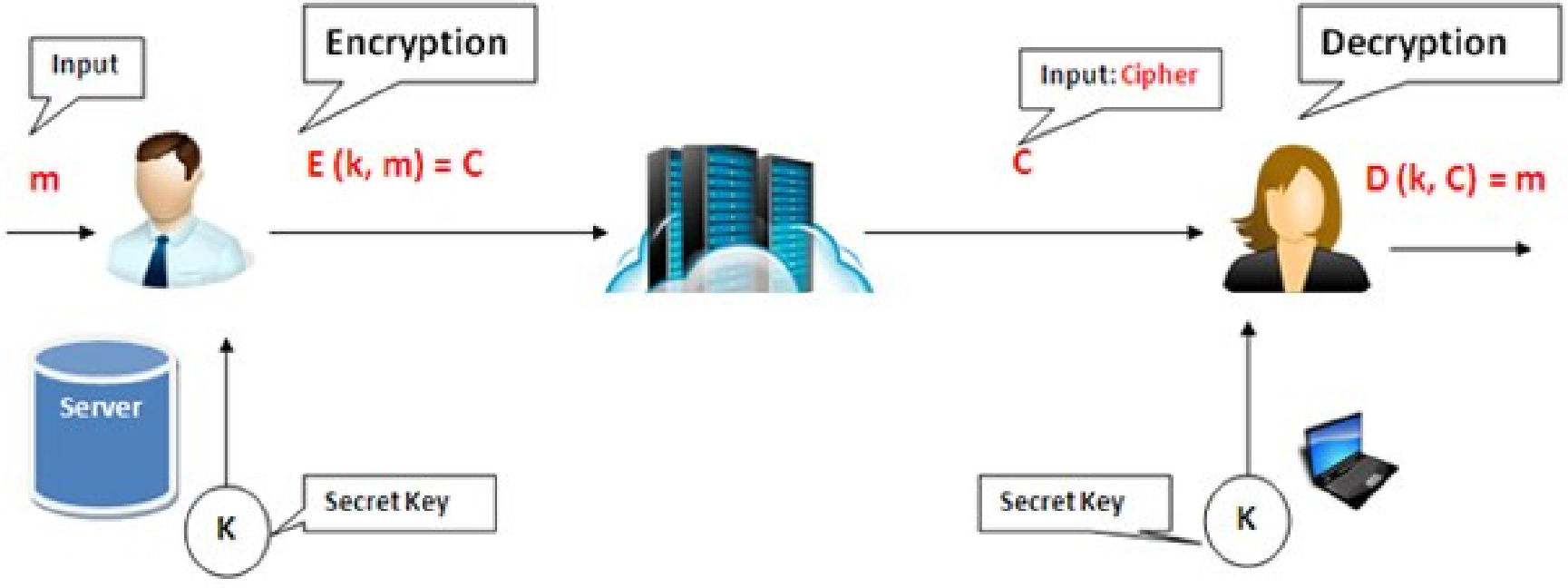
Outline:

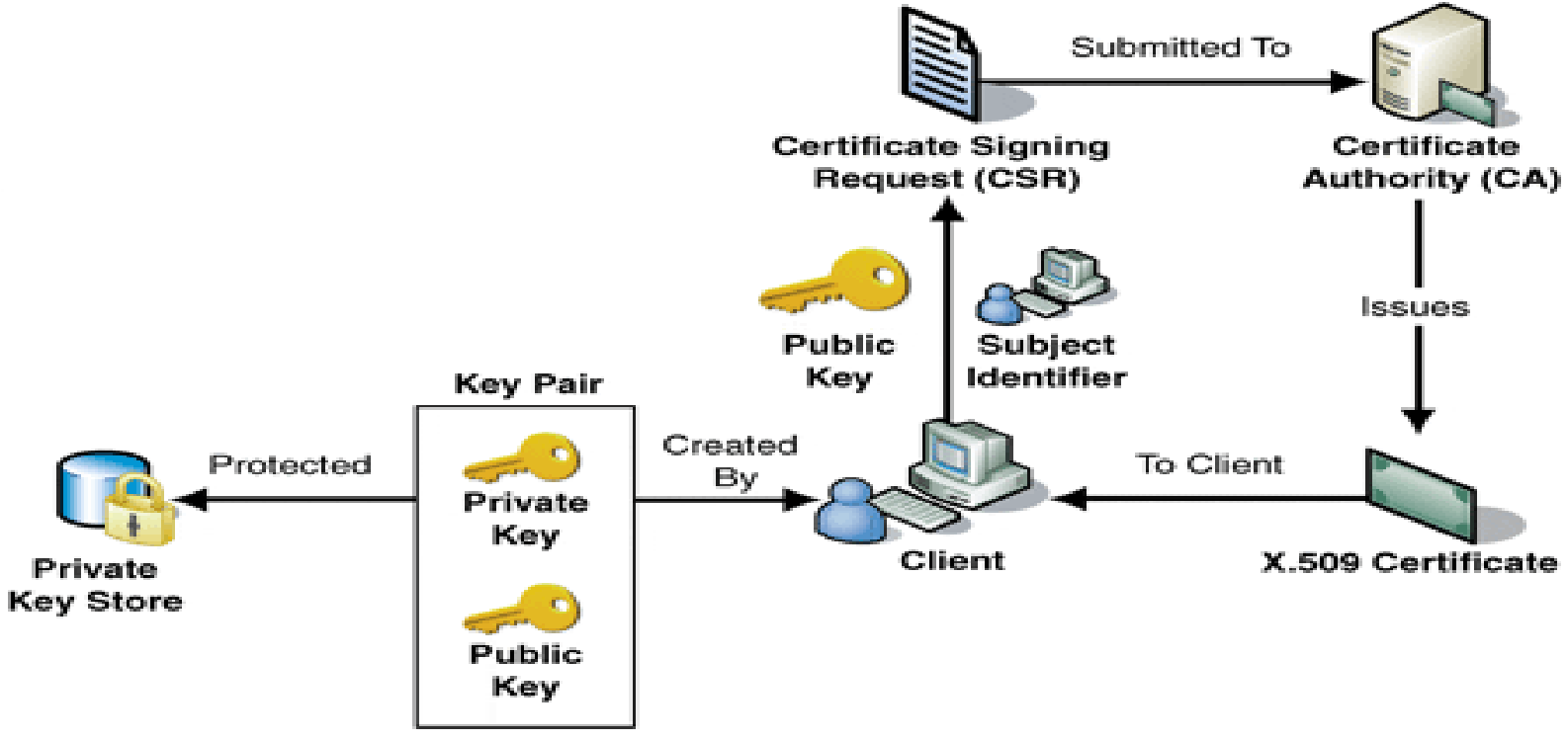
1. Crypto encryption AES
2. Certificates Authority
3. The overview tasks of Lab 3

1. Advanced Encryption Standard [1, 2]



[1] https://www.codeproject.com/Articles/1023379/Security-on-the-Web-by-Advanced-Encryption-Standar
[2] http://www.cis.syr.edu/~wedu/seed/Labs_12.04/Crypto/Crypto_Encryption/

2. SSL Certificate Authority [3, 4]



[3] https://deliciousbrains.com/ssl-certificate-authority-for-local-https-development/
[4] http://help.bizagi.com/bpm-suite/en/index.html?cloud_auth_certificates.htm

3. Outline of the Lab 3

1. Basic encryption and decryption using OpenSSL
2. You are a CA (Certificate Authority)
3. Create a Certificate for cybersec.com.au
4. Use PKI for Web Sites
5. Tidy up and sign up your machine correctly

THANK YOU!

Question & Answer