**Hands-on 11C**

Course: CIS 3347-1

Submitted to University of Houston

College of Technology

Information and Logistics Technology

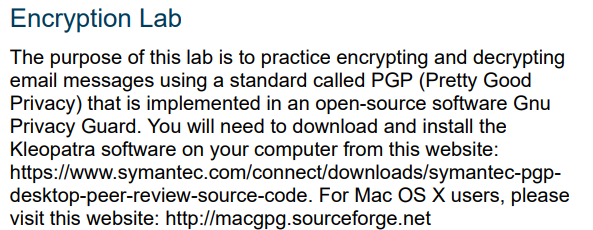
by

Dan Doan

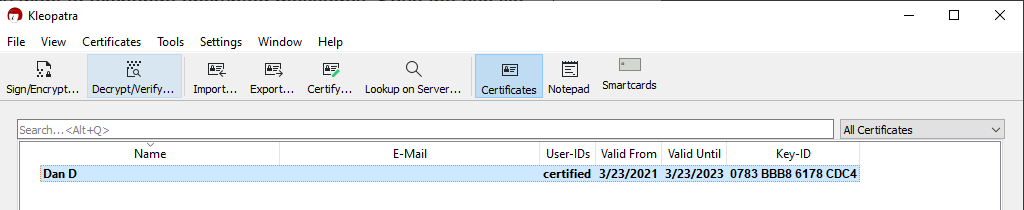
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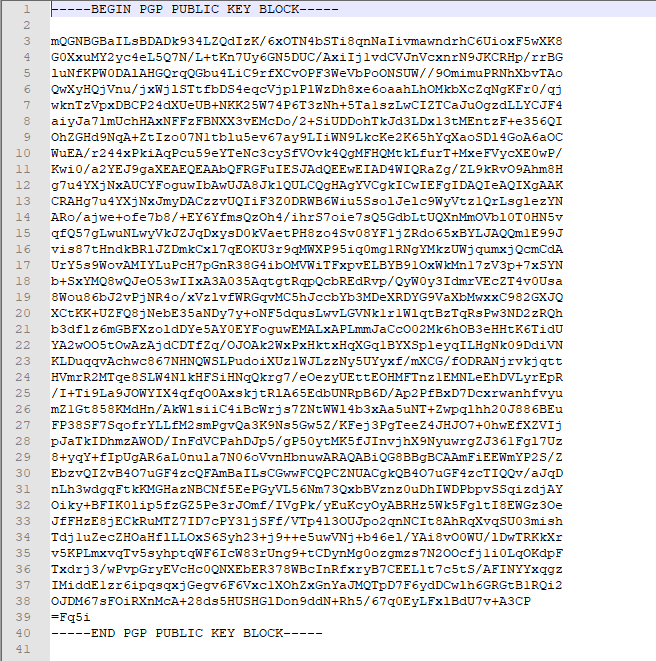
Instructor: Dr. Ron Viseh



*Figure 1.* Business Data Communications’ Encryption lab on what we’re going to use on today’s lab (FitzGerald, Dennis & Durcikova).



*Figure 2.* Kleopatra screenshot of my own certificate (Kleopatra, 2021).



*Figure 3.* Notepad++ of my PGP Public key block created from Kleopatra (Kleopatra, 2021 and Notepad++, 2021).

# Create your PGP key pair using Kleopatra. Post the asc file of your public key on a server/class website as instructed by your professor.

I created the PGP key and will upload/submit it as a zip file for the assignment purpose.

-----BEGIN PGP PUBLIC KEY BLOCK-----

mQGNBGBaILsBDADk934LZQdIzK/6xOTN4bSTi8qnNaIivmawndrhC6UioxF5wXK8

G0XxuMY2yc4eL5Q7N/L+tKn7Uy6GN5DUC/AxiIj1vdCVJnVcxnrN9JKCRHp/rrBG

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WuEA/r244xPkiAqPcu59eYTeNc3cySfVOvk4QgMFHQMtkLfurT+MxeFVycXE0wP/

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b3dflz6mGBFXzoldDYe5AY0EYFoguwEMALxAPLmmJaCcO02Mk6hOB3eHHtK6TidU

YA2wOO5tOwAzAjdCDTfZq/OJOAk2WxPxHktxHqXGq1BYXSpleyqILHgNk09DdiVN

KLDuqqvAchwc867NHNQWSLPudoiXUz1WJLzzNy5UYyxf/mXCG/fODRANjrvkjqtt

HVmrR2MTqe8SLW4NlkHFSiHNqQkrg7/eOezyUEttEOHMFTnz1EMNLeEhDVLyrEpR

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EbzvQIZvB4O7uGF4zcQFAmBaILsCGwwFCQPCZNUACgkQB4O7uGF4zcTIQQv/aJqD

nLh3wdgqFtkKMGHazNBCNf5EePGyVL56Nm73QxbBVznz0uDhIWDPbpvSSqizdjAY

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JfFHzE8jECkRuMTZ7ID7cPY3ljSFf/VTp4l3OUJpo2qnNCIt8AhRqXvqSU03mish

Tdj1uZecZHOaHflLLOxS6Syh23+j9++e5uwVNj+b46el/YAi8vO0WU/lDwTRKkXr

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Txdrj3/wPvpGryEVcHc0QNXEbER378WBcInRfxryB7CEELlt7c5tS/AFINYYxqgz

IMiddE1zr6ipqsqxjGegv6F6Vxc1XOhZxGnYaJMQTpD7F6ydDCwlh6GRGtB1RQi2

OJDM67sFOiRXnMcA+28ds5HUSHGlDon9ddN+Rh5/67q0EyLFxlBdU7v+A3CP

=Fq5i

-----END PGP PUBLIC KEY BLOCK-----

(from Kleopatra, 2021)

# Import the certificate (public key) of your professor to Kleopatra. Send your instructor an encrypted message that contains information about your favorite food, hobbies, places to travel, and so on.

I was unable to find any public key from the professor, even with the link provided in the assignment’s note.

# Your professor will send you a response that will be encrypted. Decrypt the email and print its content so that you can submit a hard copy in class.

**My assessment on PGP and encryption in general.**

Encryption is always an important aspect when you’re using the internet. Making sure your message gets through using application such as Kleopatra is one example of correctly and securely communicating with an important person or to write an extremely important email. Overall thoughts are that it’s important to look up how a person can securely talk to someone else on the internet without being spied upon. It’s nice for the book to talk about this topic.

All questions are from FitzGerald, Dennis, Durcikova Business Data Communication.

# References

FitzGerald, J., Dennis, A., & Durcikova, A. (2021). Chapter 1. In *Business data communications and networking*. Hoboken, NJ: Wiley.

Kleopatra. (n.d.). Secure email and file encryption with gnupg for windows. Retrieved March 30, 2021, from https://www.gpg4win.org/

Notepad++. (n.d.). What is notepad++. Retrieved March 30, 2021, from https://notepad-plus-plus.org/