Alex Surprenant

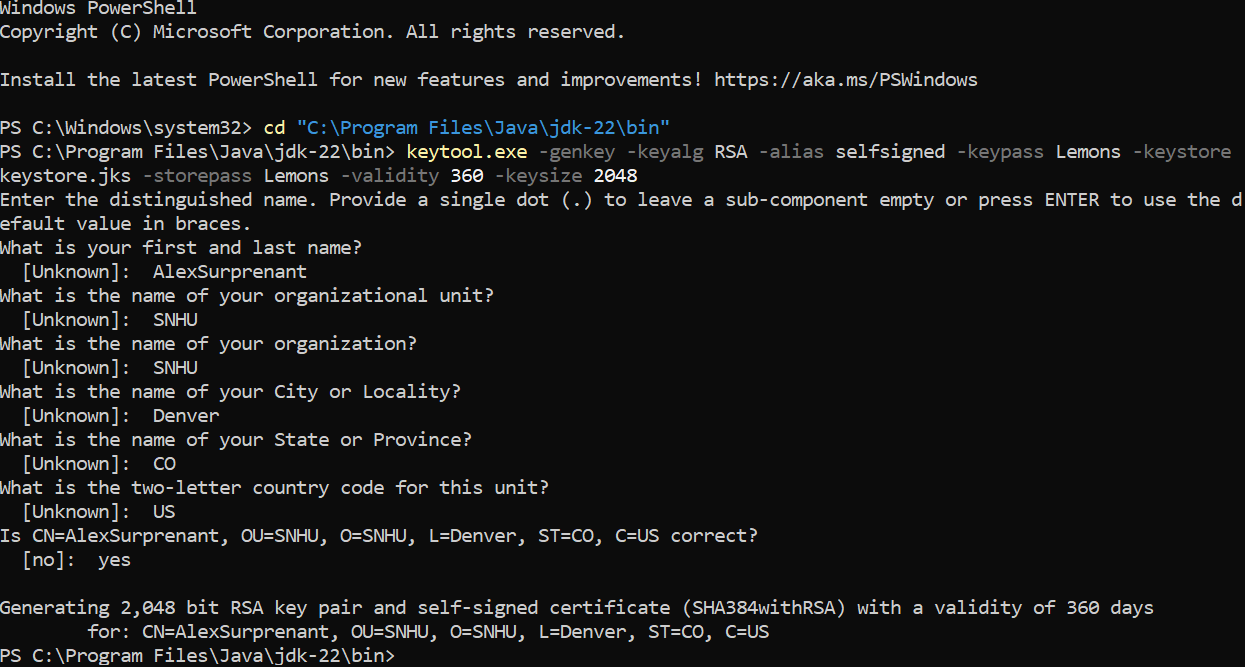
CS 305

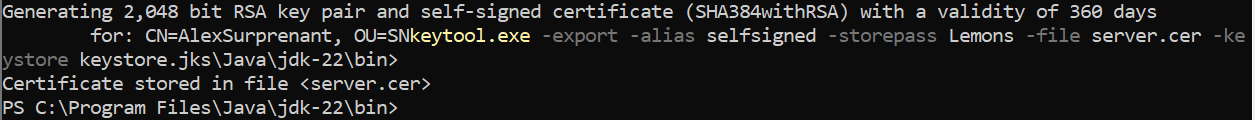
12/3/2024

**Certificate Authority/Generation**

Certificate Authorities provide a crucial service, as they provide web hosts a way to authenticate the data and content they are sending to an end client. CAs use their certificates to verify that the website is authentic and trustworthy so users can be clear on who they are communicating with. By providing identification information about the source of the certificate, a Certificate authority is providing evidence of the origin of the data being sent, and the identity of the sender.

Using a certificate authority is advantageous to an organization, as it provides them an extra and reliable layer of security for maintaining the trust of their clients. It is better to use a trusted certificate authority, even if it comes at a higher cost, as they can be more reliable.





A computer screen shot of a black screen

Description automatically generated

A screenshot of a computer

Description automatically generated

References:

Awati, R., & Loshin, P. (2021, September 1). *What is a Certificate Authority (CA)?*. Search Security. https://www.techtarget.com/searchsecurity/definition/certificate-authority#:~:text=The%20main%20goal%20of%20a,be%20trusted%20with%20their%20data.