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CS 305

SNHU

Certificate Generation Assignment

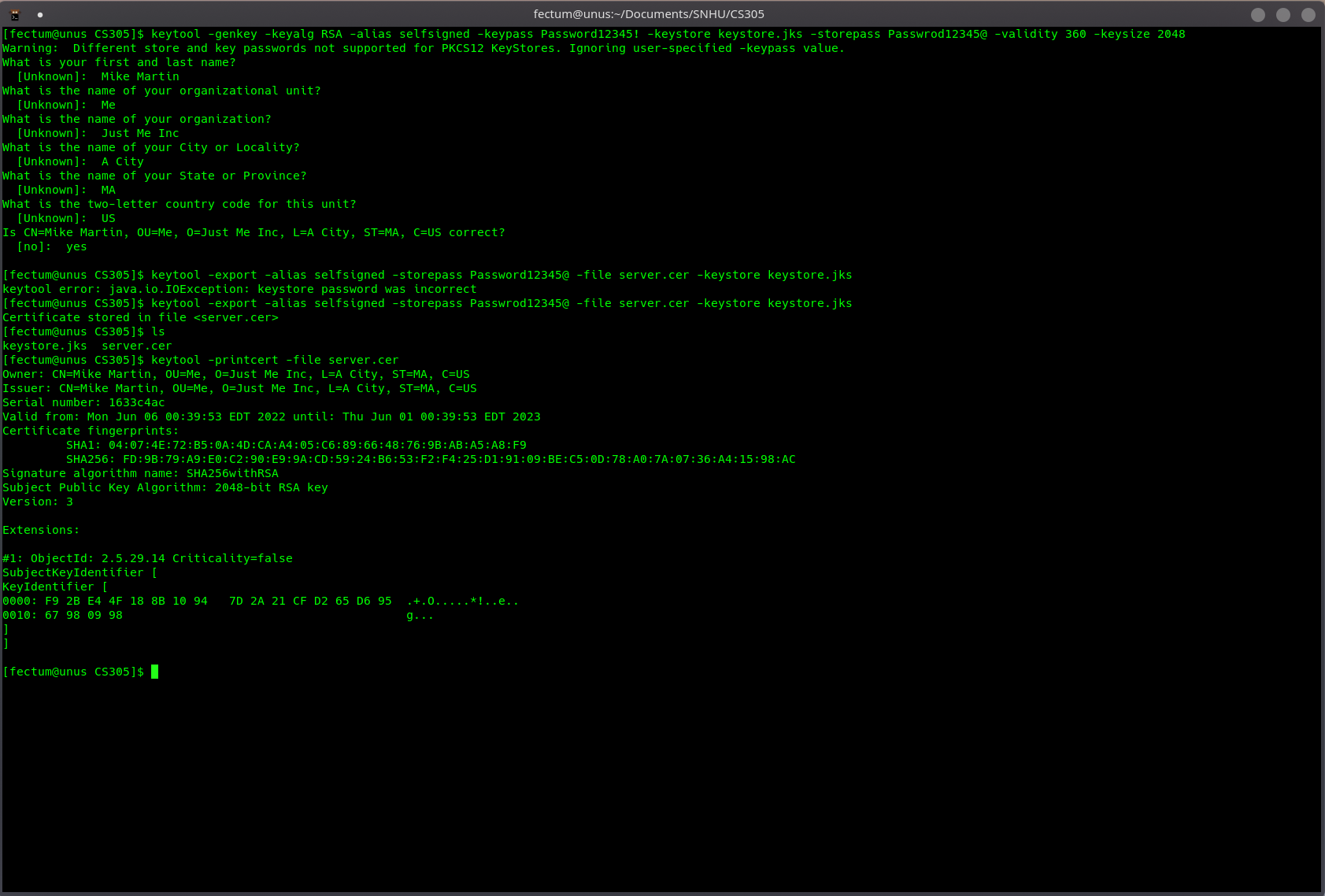
* **Why would you want to use a CA for security?**

A certificate authority is an organization or company that validates the identities or websites, emails, companies and more. They take those identities and bind them to a digital key, usually one based on a cryptographic algorithm. Most assigned certificates are SSL or TLS certificates, which ensure that the communications between the client and the hosts are encrypted.

* **What are the advantages of using a CA?**

The advantages of using a CA are that the certificates are all signed from a third-party trusted source. This allows the client to know they can trust that the site is secure and is an authentic company, person, etc.

* **screenshot of the certificate information**



* **Citations**

*What Is a Certificate Authority (CA)? - SSL.com*. SSL.com. (2021). Retrieved 5 June 2022, from <https://www.ssl.com/faqs/what-is-a-certificate-authority/>.

Olenski, J. (2022). *4 Benefits of Certificate-Based Authentication*. GlobalSign. Retrieved 5 June 2022, from <https://www.globalsign.com/en/blog/4-benefits-of-certificate-based-authentication>.

*IBM Docs*. Ibm.com. (2022). Retrieved 5 June 2022, from <https://www.ibm.com/docs/en/b2b-integrator/5.2?topic=certficates-benefits-self-signed-ca-signed-digital-certificates>.