CS6501: A1-2

Access Netlab using an Internet browser – https://netlab2.weltec.ac.nz. If you don't have a email address set up, it will be assigned to your Moodle account. The initial password, if you have not used the system before, will be Weltec2023

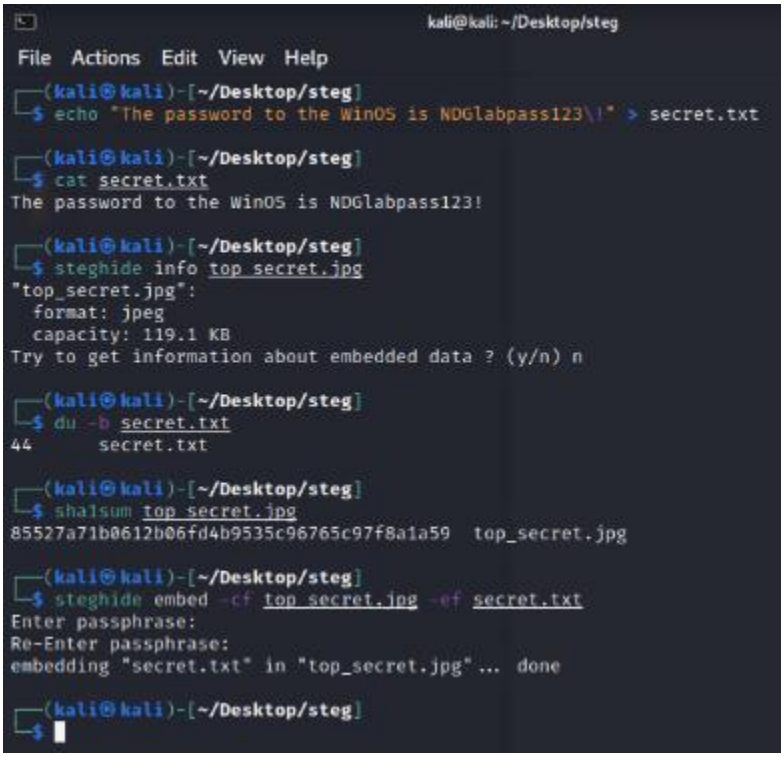
Please complete labs 14 and 16 from the NDG Security+ V4 series.

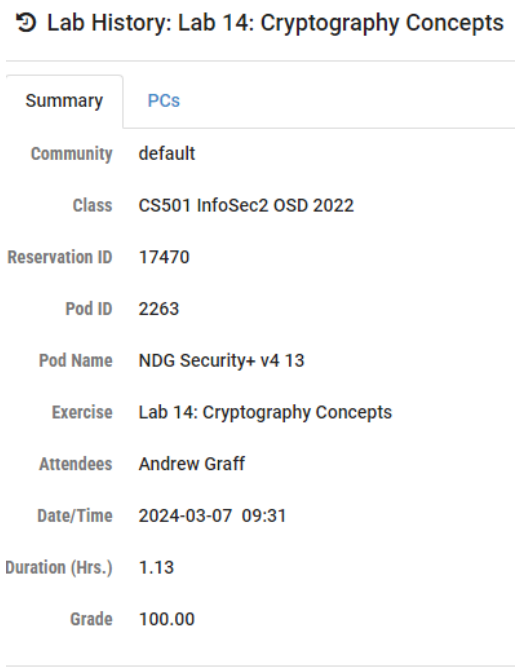
The deliverable for A1-2 is a separate document for each lab exercise. Each document should show the occasional screenshot (which includes either your student ID and name or your Netlab username) and a **brief narrative explaining what you were doing and the resultant output.** This indicates to me that you have attempted the lab and I can confirm this by viewing the reservation logs on the system. The narrative explaining the screenshot indicates to me whether or not you understand what it is that is captured in the screenshot.

Please submit the documents via associated drop box on Moodle, when you have completed the required exercises.

The due date is 24 March 2024.

Below we can see few of the commands entered





Few commands we learned here were creating new text documents, and redirecting this text to a file. A new command was learned called steghide info which gives us the capacity amount.

kali@kali$ steghide info top_secret.jpg

We then check the new text document we created to see whether this can fit into the image. Commands du with -b displayed filed size

kali@kali$ du -b secret.txt

We learn an amount command called sha1sum which provided us with he hash value of the image

kali@kali$ sha1sum top_secret.jpg

Then a command to initialize hiding the secret message in image locked with a passphrase

kali@kali$ steghide embed -cf top_secret.jpg -ef secret.txt

We discover the using of steghide to hide text within a picture and hiding multiple files within an image files via CLI in Linux.

We learn to observe Avalanche Effect in Hashing Operation – comparing the hash values and seeing the effects of changing one bit that impacts the binary value.

(Apologies – forgot to obtain screenshots along the way sir)