Challenge 4: Installing New Software and Learning How To Use It

There are endlesses pieces of software that you can install onto your Linux machine that go beyond the base install package. If you have a specific need in mind you can search the software repositories using the Advanced Packaging Tool (APT). Once you find your software, you can install it, reference the manual or help documentation to see how it operates, and begin using the new software to accomplish your goal.

Step By Step Guide:

- Open up a terminal and update your current package information.
- Now, upgrade your packages.

- Now that you are up to date, search the repositories for a piece of software called steghide.
- Before installing, show more details about the software and note the purpose of the software and which file types it works with.

- Change directories to /bin and display the contents to see if steghide is in the directory.
- Install the software.
- Verify that steghide now exists in the /bin directory.

- Read the manual for steghide and the help documentation to determine how this software works.
- Steghide is a steganography tool which can hide data (like a text file) into images or audio files.
- Create or find a picture and a text file to use with steghide and place them in your Documents directory.

- Long list the files to view the size of each file.
- Use steghide to embed the text file into the picture.
- Delete the original text file.
- Long list the files to view the size of each file and note any differences.

- Open the original picture and the embedded picture to see if you can note any differences.
- Use Steghide to extract the embedded information from the picture.
- Display the contents of the information to verify that it is correct.

- Delete the files used in this example.
- Uninstall Steghide from your Linux machine.
- View the contents of the /bin directory to verify that Steghide was removed.