Peter Sanford IT 2700 NetLab Lab 14 10/08/2023

1:

```
Step 9:

(kali@ kali)-[~/Desktop/steg]
$ sha1sum top secret.jpg
85527a71b0612b06fd4b9535c96765c97f8a1a59 top_secret.jpg

(kali@ kali)-[~/Desktop/steg]
Step 13:
```

```
(kali@ kali)-[~/Desktop/steg]

strm secret.txt

(kali@ kali)-[~/Desktop/steg]

strm secret.txt

cyber_monday.jpg top_secret.jpg
```

Step 15:

```
(kali@ kali)-[~/Desktop/steg]
$ steghide extract -sf top secret.jpg
Enter passphrase:
wrote extracted data to "secret.txt".

(kali@ kali)-[~/Desktop/steg]
$ cat secret.txt
The password to the WinOS is NDGlabpass123!
```

2: Step 5:

```
-rw-r--r-- 1 kali kali 88K Aug
                                 3 2021 cyber_monday.jpg
         r-- 1 kali kali 2.0M Oct
                                 8 17:41 secret_file
   -rw-r--r-- 1 kali kali
                          44 Oct
                                 8 17:40 secret.txt
   -rw-r--r-- 1 kali kali 2.0M Oct
                                 8 17:37 top_secret.jpg
     -(kali@kali)-[~/Desktop/steg]
   s cat cyber monday.jpg secret files.zip > cybersec.jpg
     -(kali@kali)-[~/Desktop/steg]
   total 6.0M
   -rw-r--r-- 1 kali kali 88K Aug
                                 3 2021 cyber_monday.jpg
   -rw-r--r-- 1 kali kali 2.1M Oct
                                 8 17:41 cybersec.jp
   -rw-r--r-- 1 kali kali 2.0M
                                 8 17:41
                            0ct
   -rw-r--r-- 1 kali kali
                          44 Oct
                                 8 17:40 secret.txt
                                 8 17:37 top_secret.jpg
   -rw-r--r-- 1 kali kali 2.0M Oct
      (kali⊕kali)-[~/Desktop/steg]
3:
Step 11:
       File System
                               *Untitled 1 - Mousepad
                                                                _ _ ×
     File Edit Search View Document Help
                                                                     1100011
      9 8 4
                                                                  63
      1 00110101 01100101 01100010 01100101 00110010 00110010 00111001 00110100 0110010 01100101 01100011
       Step 16:
```

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## Commentary:

File System

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File Edit Search View Document Help

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In this lab we encrypted files and embedded the text inside another picture. I learned that not all files only contain what you think they contain. There can be a lot of extra stuff you're installing without knowing it. Knowing this information, companies should be more diligent in

making sure files coming into the network get scanned for any extra text or things that could come inside them.