

Explore Compare It Tool to Compare of two files for Forensic Investigation

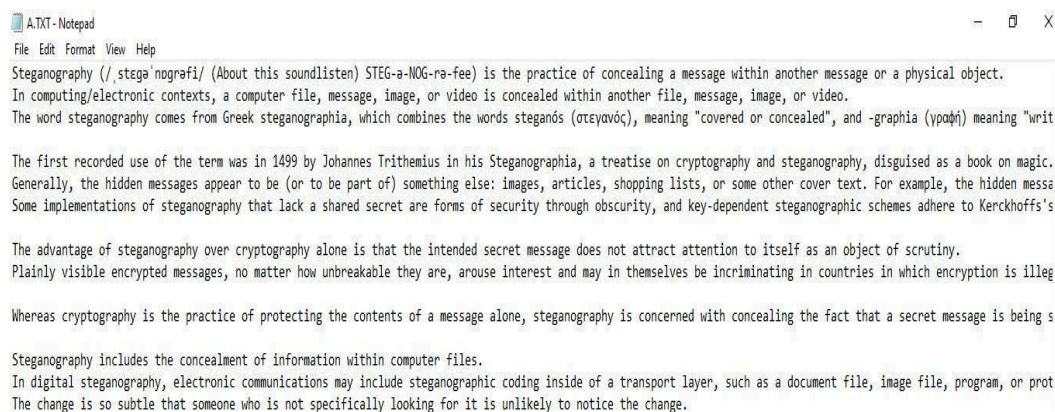
AIM:

The main aim is to comparison of two files for forensics investigation by COMPARE IT tool

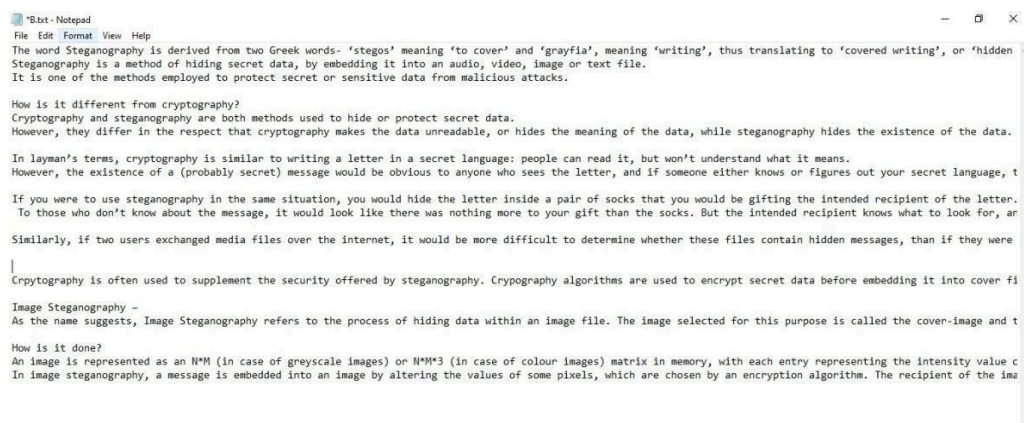
PROCEDURE:

- COMPARE IT is software that displays 2 files side by side, with colored differences sections to simplify analyzing. You can move changes between files with a single mouse click or keystroke, and of course, you have the ability to edit files directly in comparison window.
- It can make colored printout of differences report, exactly as it's on the screen. First of all, install the Compare It from the Link given below. <http://www.grigsoft.com/wincmp3.htm> it is a 1.7 Mb Software package Click on Compare It Tool, It will show a window to select the files to be compared.
- First, select the first file and click on open and then select the second file and click on open.

STEP 1: open the notepad and create a first text file with the extension .txt and savewith a file name

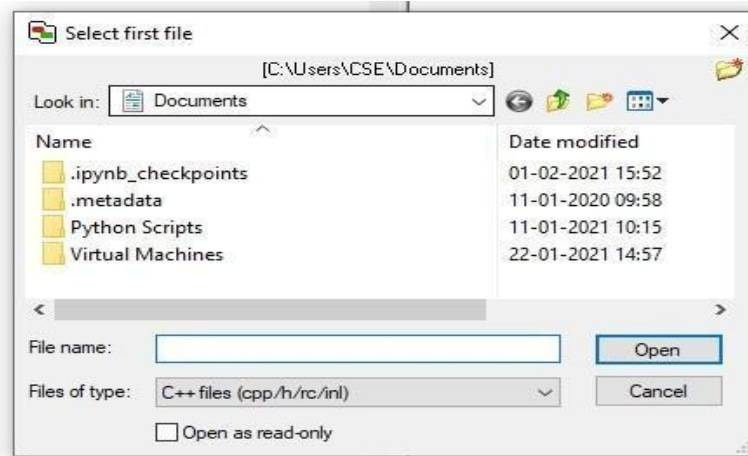


Step 2: create a second text file with the extension .txt

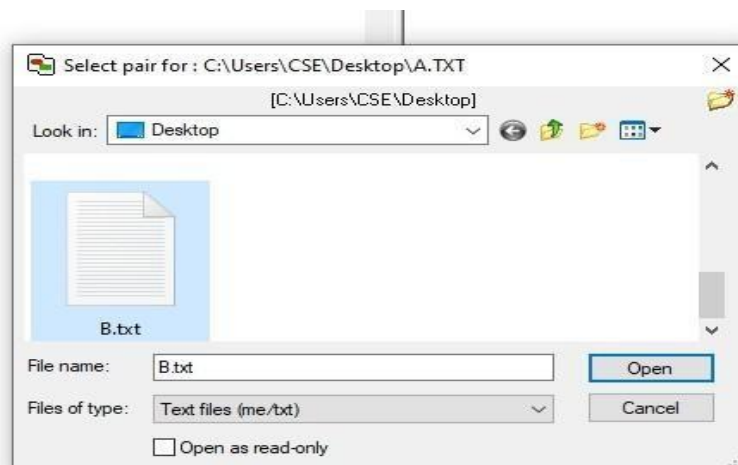


Step 3: Download the compare it tool install the Compare It from the Link given below. <http://www.grigsoft.com/wincmp3.htm> it is a 1.7 Mb Software package Click on Compare It Tool, It will show a window to select the files to be compared.

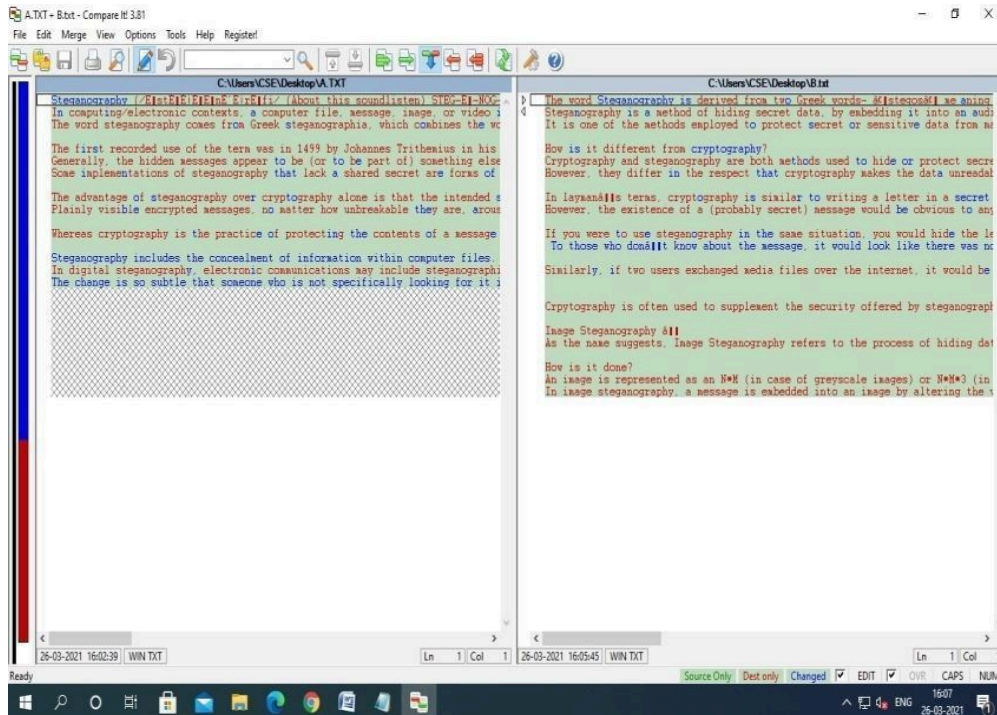
Step 4: Upload the first file to the compare it tool



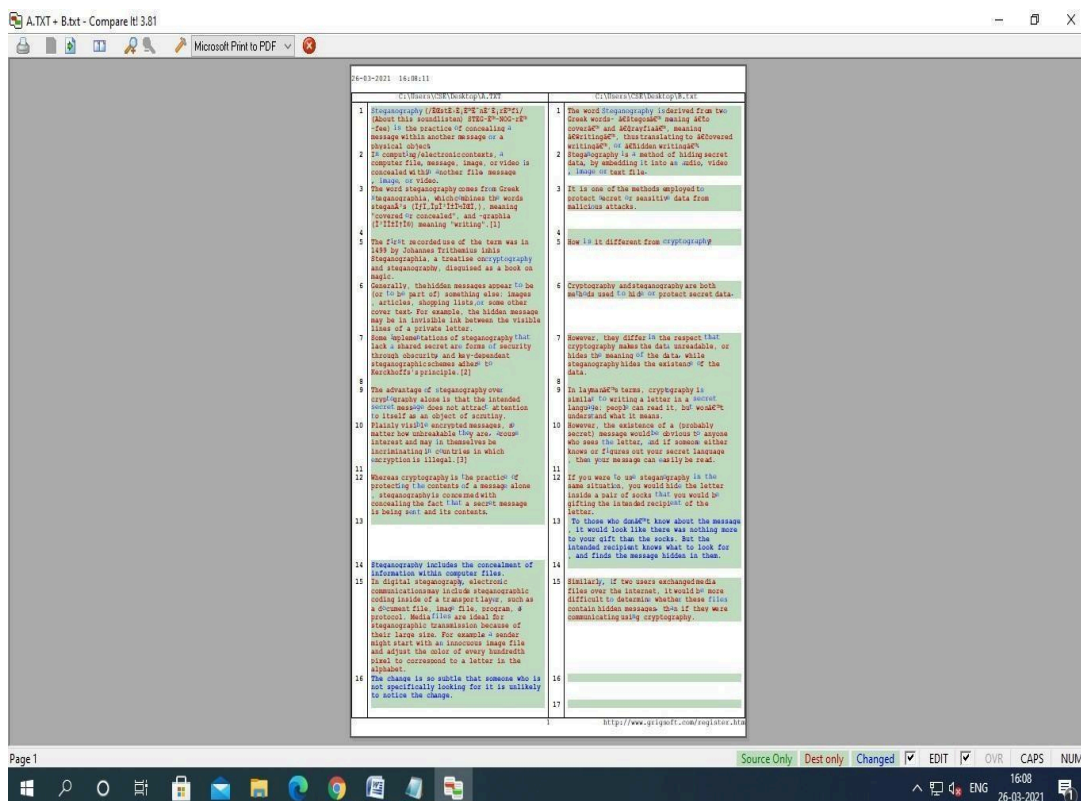
Step 5: upload the second file to the compare it tool



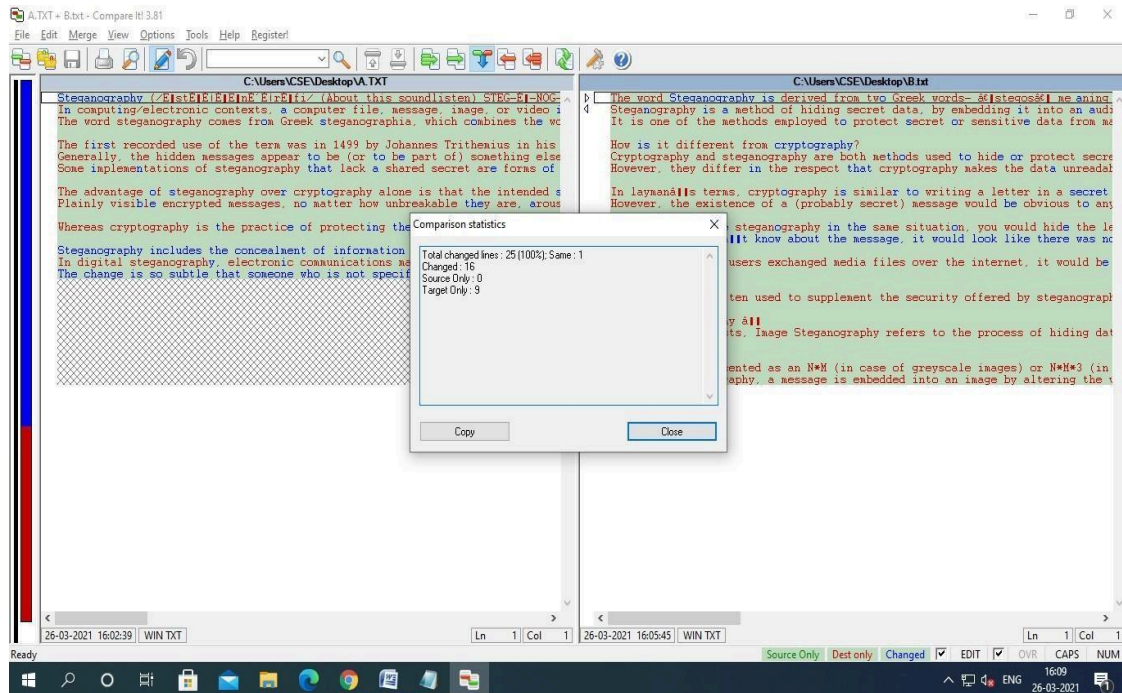
Step 6: Displays 2 files side by side, with colored differences sections to simplify analyzing. You can move changes between files with a single mouse click or keystroke



STEP 7: It also gives you Print report of the difference in the file as follows



STEP 8: the comparison result is get display.



RESULT:

The main aim is to comparison of two files for forensics investigation by COMPARE IT tool is executed successful

1. Create Two Sample Files

```
nano file1.txt
```

(Add some text → save with CTRL+O, exit with CTRL+X)

```
nano file2.txt
```

(Add slightly different text → save and exit)

2. Compare Files Using diff

```
diff file1.txt file2.txt
```

- This shows line-by-line differences.
- Lines starting with < are from **file1**, and > are from **file2**.

3. Use cmp for Byte-Level Comparison

```
cmp -l file1.txt file2.txt
```

- Prints the exact **byte offset and difference** between the files.
- Useful in forensic investigation to detect tampering at a binary level.

4. Use vimdiff for Side-by-Side Colored View

```
vimdiff file1.txt file2.txt
```

- Opens both files in **Vim with color highlighting** for differences.
- Very close to “Compare It” visual style.

Navigation:

-]c → Jump to next change
- [c → Jump to previous change
- :qa! → Quit both files

5. Use meld (GUI Tool – Similar to Compare It)

If you want a **GUI comparison like Compare It**:

```
sudo apt update
```

```
sudo apt install meld -y
```

Then run:

```
meld file1.txt file2.txt
```

- Shows side-by-side differences with **colored highlights**, very close to Compare It's Windows tool.
- Can also save/print difference reports.

6. Generate a Forensic Report

You can export results to a file:

```
diff -u file1.txt file2.txt > diff_report.txt
```

- -u gives a unified diff format, commonly used in forensics.
- You can attach this report as evidence in investigation.

