

kali-linux-2023.3-virtualbox-amd64 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

kali@kali: ~/stegDir

```
(kali@kali)-[~]
└─$ mkdir stegDir
(kali@kali)-[~]
└─$ cd stegDir
(kali@kali)-[~/stegDir]
└─$ echo "Hello World" > testfile.txt
(kali@kali)-[~/stegDir]
└─$ cp ~/Downloads/odu.jpg .
(kali@kali)-[~/stegDir]
└─$ ls -alh
total 72K
drwxr-xr-x  2 kali kali 4.0K Oct 26 21:39 .
drwx----- 19 kali kali 4.0K Oct 26 21:38 ..
-rw-r--r--  1 kali kali  57K Oct 26 21:39 odu.jpg
-rw-r--r--  1 kali kali   12 Oct 26 21:39 testfile.txt
(kali@kali)-[~/stegDir]
└─$ md5sum testfile.txt
e59ff97941044f85df5297e1c302d260  testfile.txt
(kali@kali)-[~/stegDir]
└─$ md5sum odu.jpg
e9fd70017b5df2a0ac9411ba45a3816d  odu.jpg
(kali@kali)-[~/stegDir]
└─$
```

Upcoming Earnings

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File Machine View Input Devices Help
kali@kali: ~/stegDir
File Actions Edit View Help
(kali@kali)-[~/stegDir]
└─$ steghide embed -cf odu.jpg -ef testfile.txt
Enter passphrase:
Re-Enter passphrase:
embedding "testfile.txt" in "odu.jpg"... done

(kali@kali)-[~/stegDir]
└─$ steghide info odu.jpg
"odu.jpg":
  format: jpeg
  capacity: 1.8 KB
Try to get information about embedded data ? (y/n) y
Enter passphrase:
  embedded file "testfile.txt":
    size: 12.0 Byte
    encrypted: rijndael-128, cbc
    compressed: yes

(kali@kali)-[~/stegDir]
└─$ md5sum odu.jpg
def7cefe2ac760257057c38a5ca62baf  odu.jpg

(kali@kali)-[~/stegDir]
└─$ md5sum ~/Downloads/odu.jpg
e9fd70017b5df2a0ac9411ba45a3816d  /home/kali/Downloads/odu.jpg

(kali@kali)-[~/stegDir]
└─$ rm testfile.txt

(kali@kali)-[~/stegDir]
└─$
```

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Mostly clear

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kali@kali: ~/stegDir

```
(kali@kali)-[~/stegDir]
└─$ ls
odu.jpg

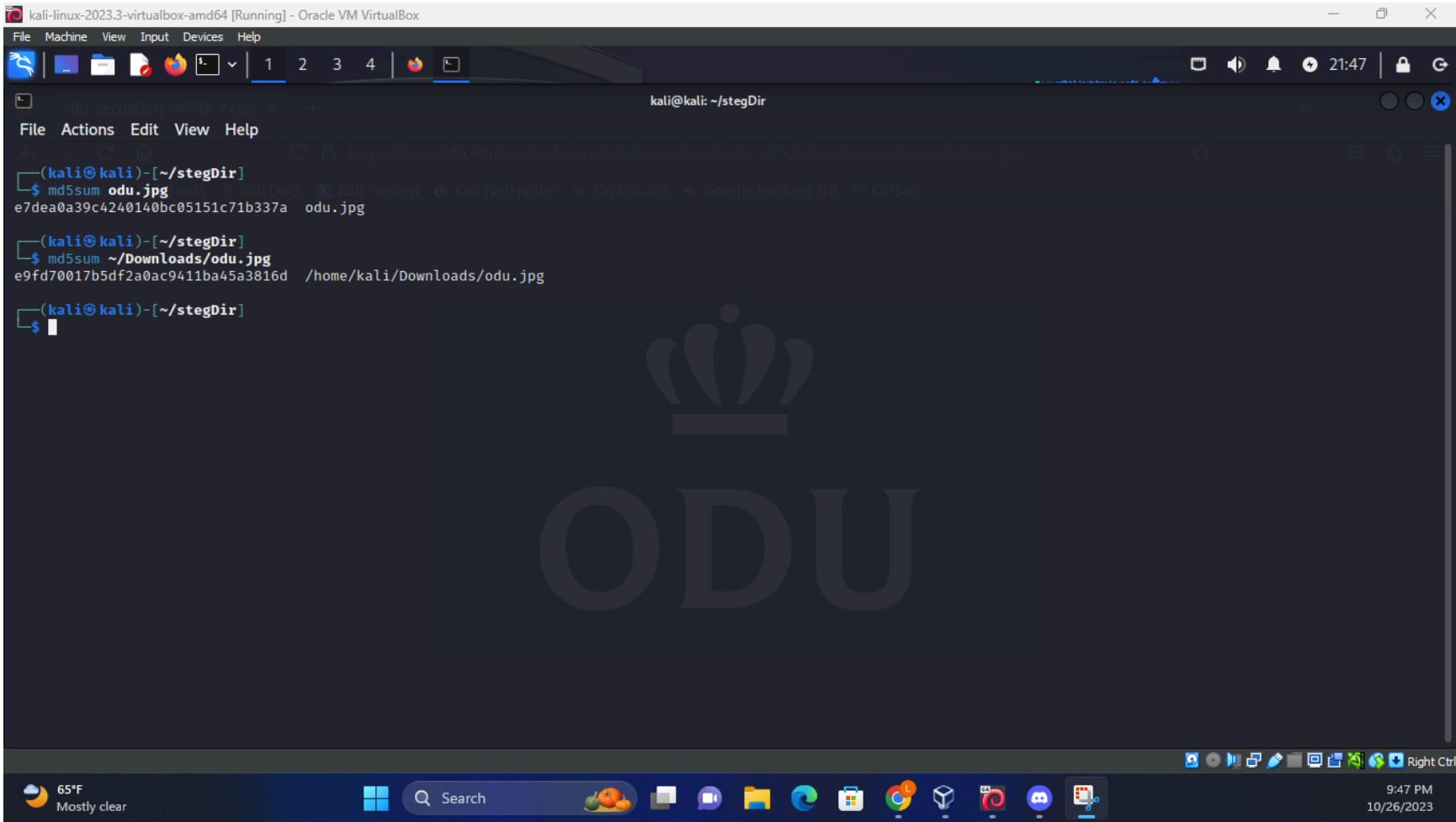
(kali@kali)-[~/stegDir]
└─$ steghide --extract -sf odu.jpg
Enter passphrase:
wrote extracted data to "testfile.txt".

(kali@kali)-[~/stegDir]
└─$ cat testfile.txt
Hello World

(kali@kali)-[~/stegDir]
└─$ exiftool odu.jpg
ExifTool Version Number      : 12.65
File Name                    : odu.jpg
Directory                    : .
File Size                    : 43 kB
File Modification Date/Time   : 2023:10:26 21:41:27-04:00
File Access Date/Time        : 2023:10:26 21:41:54-04:00
File Inode Change Date/Time   : 2023:10:26 21:41:27-04:00
File Permissions              : -rw-r--r--
File Type                    : JPEG
File Type Extension          : jpg
MIME Type                    : image/jpeg
JFIF Version                 : 1.01
Resolution Unit              : None
X Resolution                 : 1
Y Resolution                 : 1
Image Width                  : 563
Image Height                 : 328
Encoding Process              : Baseline DCT, Huffman coding
```

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kali@kali: ~/stegDir

```
(kali@kali)-[~/stegDir]
└─$ md5sum ~/Downloads/odu.jpg
e9fd70017b5df2a0ac9411ba45a3816d /home/kali/Downloads/odu.jpg
```

```
(kali@kali)-[~/stegDir]
└─$ exiftool odu.jpg
ExifTool Version Number      : 12.65
File Name                    : odu.jpg
Directory                   : .
File Size                    : 46 kB
File Modification Date/Time  : 2023:10:26 21:46:34-04:00
File Access Date/Time       : 2023:10:26 21:47:18-04:00
File Inode Change Date/Time  : 2023:10:26 21:46:34-04:00
File Permissions             : -rw-r--r--
File Type                    : JPEG
File Type Extension         : jpg
MIME Type                    : image/jpeg
JFIF Version                 : 1.01
Resolution Unit              : None
X Resolution                 : 1
Y Resolution                 : 1
XMP Toolkit                  : Image::ExifTool 12.65
Author                       : Luzzitto
Image Width                  : 563
Image Height                 : 328
Encoding Process             : Baseline DCT, Huffman coding
Bits Per Sample              : 8
Color Components             : 3
Y Cb Cr Sub Sampling        : YCbCr4:4:4 (1 1)
Image Size                   : 563x328
Megapixels                   : 0.185
```

(kali@kali)-[~/stegDir]

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