

Find solutions for your homework

Search

home / study / engineering / computer science / computer science questions and answers / cyber law and digital forensics please list all comman...

Question: Cyber Law and Digital Forensics Please list all commands and ...

Cyber Law and Digital Forensics

Please list all commands and steps to accomplish this

Hands-On Project 3-2

In this project, you use the Linux `dd` command to make an acquisition split into 30 MB segmented volumes. Then you validate the data by using the Linux `md5sum` command on the original drive and the image files. The output for `md5sum` is then redirected to a data file kept with the image files. For this project, you need the following:

- A Linux distribution or Linux Live CD
- The FAT32 drive partitioned and formatted in Hands-On Project 3-1
- A method of connecting the FAT32 drive and the drive created in Hands-On Project 3-1 to your workstation, such as USB, FireWire, external SATA, or internal connections, such as PATA or SATA
- A review of the "Acquiring Data with `dd` in Linux" and "Validating `dd`-Acquired Data" sections

Follow these steps:

1. Make sure you've connected the drive you prepared in Hands-On Project 3-1 to your Linux workstation.
2. Start your workstation, if necessary, and log on to Linux or boot the Linux Live CD.
3. Reboot the Linux system, and make the `dd` acquisition, following the steps in "Acquiring Data with `dd` in Linux." For the `split -b` command, make the segmented size 30m, and use the `-d` switch to create numeric extensions for each segmented file.
4. When the acquisition is finished, do a validation of the suspect drive and the acquired image files. Follow the steps in the "Validating `dd`-Acquired Data" section. When you're finished, keep the terminal window open, and keep Linux running for the next project.

Post a question

Answers from our experts for your tough homework questions

Enter question

Continue to post

20 questions remaining

My Textbook Solutions



Guide to...

4th Edition
(1)

[View all solutions](#)



Algorithms
1st Edition



Loose Leaf...

1st Edition

Show transcribed image text

Expert Answer



Anonymous answered this

7,666 answers

Was this answer helpful?



```

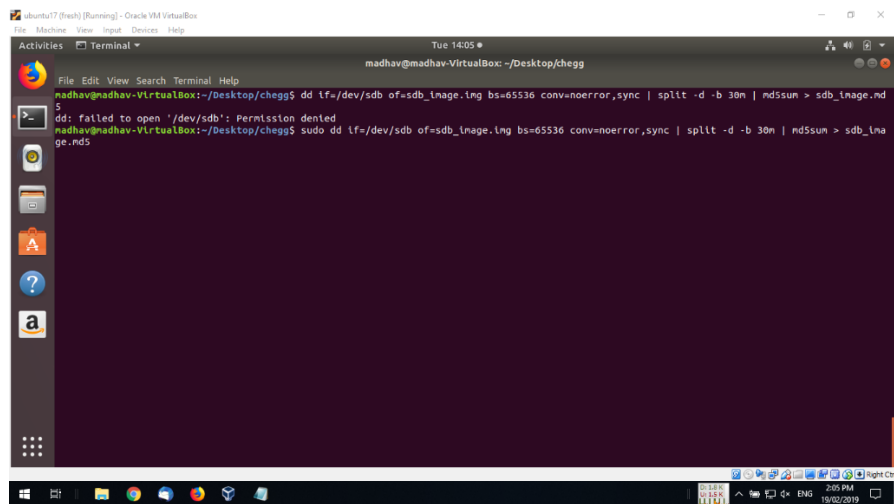
madhav@madhav-VirtualBox:~$ lsblk
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
sda 8:0 0 30G 0 disk 
├─sda1 8:1 0 30G 0 part /
├─sdb 8:16 1 29G 0 disk 
├─sdb1 8:17 1 29G 0 part /media/madhav/HVK
└─sr0 1:0 1 1024K 0 rom 
madhav@madhav-VirtualBox:~$

```

```

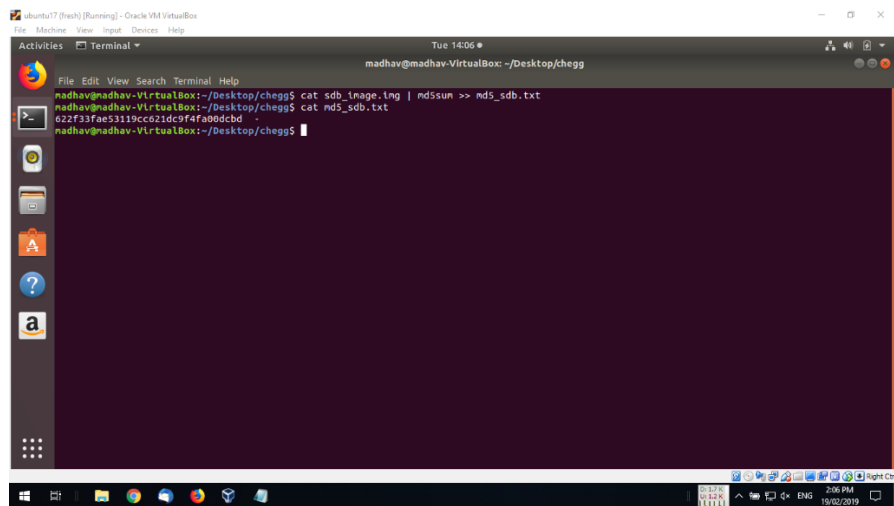
sudo dd if=/dev/sdb of=sdb_image.img bs=65536 conv=noerror,sync | split -d -b 30m | md5sum >
sdb_image.md5

```



```
madhav@madhav-VirtualBox: ~/Desktop/cheeg  
madhav@madhav-VirtualBox:~/Desktop/cheeg$ dd if=/dev/sdb of=sdb_image.img bs=65536 conv=noerror,sync | split -d -b 30m | md5sum > sdb_image.md5  
dd: failed to open '/dev/sdb': Permission denied  
madhav@madhav-VirtualBox:~/Desktop/cheeg$ sudo dd if=/dev/sdb of=sdb_image.img bs=65536 conv=noerror,sync | split -d -b 30m | md5sum > sdb_image.md5
```

Validation of image chunks with the source file



```
madhav@madhav-VirtualBox:~/Desktop/cheeg$ cat sdb_image.img | md5sum >> md5_sdb.txt  
madhav@madhav-VirtualBox:~/Desktop/cheeg$ cat md5_sdb.txt  
622f33fae53119cc621dc9f4fa0ddcbd  
madhav@madhav-VirtualBox:~/Desktop/cheeg$
```

if you have any doubt then please ask me without any hesitation in the comment section below , if you like my answer then please thumbs up for the answer , before giving thumbs down please discuss the question it may possible that we may understand the question different way and we can edit and change the answers if you argue, thanks :)

Comment >

Questions viewed by other students

Q: Cyber Law and Digital Forensics

A: [See answer](#) 100% (3 ratings)

Q: Your supervisor has asked you to list the acquisition tools available on a forensic Linux Live CD. Download the current ISO version of Deft (www.deftlinux.net), CAINE (www.caine-live.net), Kali Linux (www.kali.org), or Penguin Sleuth (www.linux-forensics.com), and then create a bootable CD or DVD of it. Start it on your workstation and survey its tools. Then write a one to two-page...

A: [See answer](#) 100% (2 ratings)

[Show more](#) v

COMPANY

[About Chegg](#)
[Chegg For Good](#)
[College Marketing](#)
[Corporate Development](#)
[Investor Relations](#)
[Jobs](#)
[Join Our Affiliate Program](#)
[Media Center](#)
[Site Map](#)

LEGAL & POLICIES

[Advertising Choices](#)
[Cookie Notice](#)
[General Policies](#)
[Intellectual Property Rights](#)
[Terms of Use](#)
[Global Privacy Policy](#)
[DO NOT SELL MY INFO](#)
[Honor Code](#)
[Honor Shield](#)

CHEGG PRODUCTS AND SERVICES

[Cheap Textbooks](#)
[Chegg Coupon](#)
[Chegg Play](#)
[Chegg Study Help](#)
[College Textbooks](#)
[eTextbooks](#)
[Flashcards](#)
[Learn](#)
[Uversity](#)
[Chegg Math Solver](#)
[Mobile Apps](#)
[Sell Textbooks](#)
[Solutions Manual](#)
[Study 101](#)
[Textbook Rental](#)
[Used Textbooks](#)
[Digital Access Codes](#)
[Chegg Life](#)
[Chegg Writing](#)

CHEGG NETWORK

[EasyBib](#)
[Internships.com](#)
[Thinkful](#)

CUSTOMER SERVICE

[Customer Service](#)
[Give Us Feedback](#)
[Manage Subscription](#)

