**1. Is there something hidden in the disk? [ d17c5ed999bc505ec80e64c714c6d965.tar.bz2 ]**

Recovering the deleted files

extundelete --restore-all catz.img

flag{fugly\_cats\_need\_luv\_2}

https://github.com/ctfs/write-ups-2015/tree/master/opentoall-ctf-2015/forensics/catz

**2. My files are gone !! But secret is highly secured. [gone.img.tar.bz2]**

Repair the file system

fsck.ext4 1fdb86c25131bb3aa247bada29b29115.img

Look for the file type in file.enc <Openssl encryption> using binwalk, openssl enc -d -aes-128-ctr -in fil.enc -out fil.out -kfile AE5

flag : flag{ext\_sooper\_blocks\_are\_c00l}

How to open the images in ubuntu

https://github.com/ctfs/write-ups-2015/tree/master/opentoall-ctf-2015/forensics/gone

**3. Recover disk and Find the flag in an executable [disk-image.gz]**

https://github.com/ctfs/write-ups-2014/tree/master/su-ctf-quals-2014/recover\_deleted\_file

binwalk

dd (iflag=skipbytes,countbytes)

**4. The image in the file holds the key!! [ pretty\_ raw]**

binwalk

binwalk --dd='.\*' pretty.raw

Extracted file --> lesser size compared to raw image

dd - extract remaining bytes

convert -depth 8 -size 1570\*71+0 gray:x x.png

flag{100ae53903cbb68ab523c8e858034988}

https://github.com/spyoff/ctf-writeup/tree/master/sharifctf-2016/forensic-150-pretty-raw

**5. Look for the hidden flag <OOP.img>**

http://ipushino.blogspot.in/2016/04/angstromctf-2016-whoops-forenscis30.html

mount

grep flag

flag{waw\_.Trashes\_isnt\_useless\_after\_all}