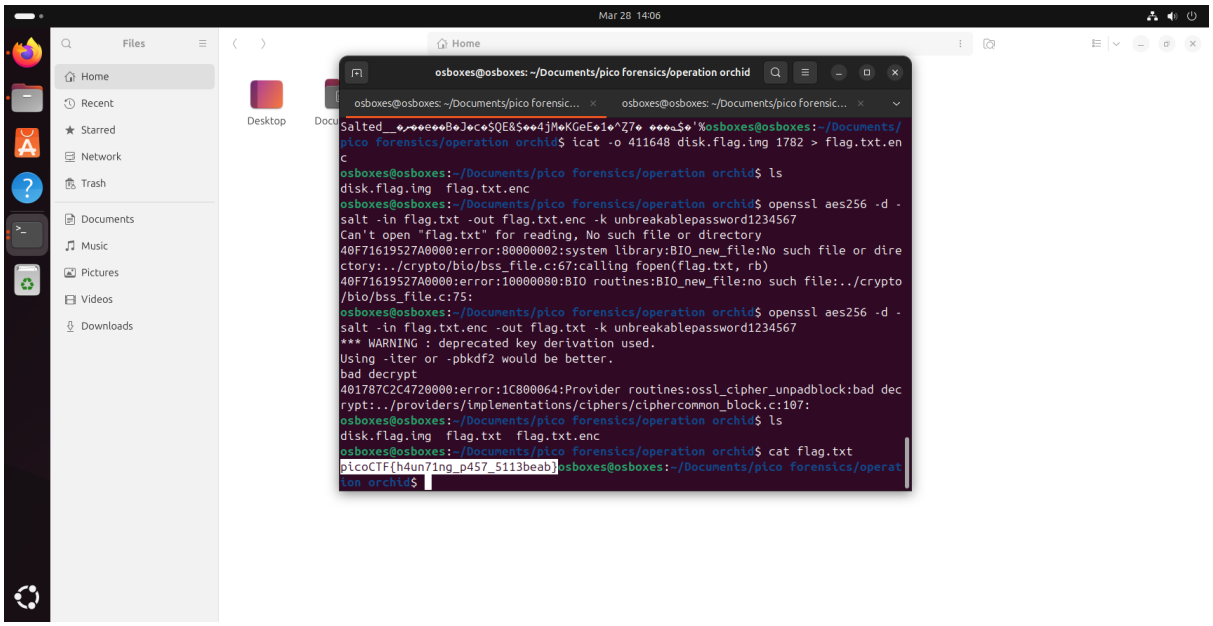
Description

Download this disk image and find the flag. Note: if you are using the webshell, download and extract the disk image into /tmp not your home directory.

Download compressed disk image



gunzip disk.flag.img.gz

to unzip the file

mmls disk.flag.img

DOS Partition Table

Offset Sector: 0

Units are in 512-byte sectors

Slot	Start	End	Length	Description
000:	Meta	0000000000	0000000000	0000000001 Primary Table (#0)
001:	-------	0000000000	0000002047	0000002048 Unallocated
002:	000:000	0000002048	0000206847	0000204800 Linux (0x83)
003:	000:001	0000206848	0000411647	0000204800 Linux Swap / Solaris x86 (0x82)
004:	000:002	0000411648	0000819199	0000407552 Linux (0x83)

fls -o 411648 disk.flag.img

d/d 460: home

d/d 11: lost+found

d/d 12: boot

d/d 13: etc

d/d 81: proc

d/d 82: dev

d/d 83: tmp

d/d 84: lib

d/d 87: var

d/d 96: usr

d/d 106: bin

d/d 120: sbin

d/d 466: media

d/d 470: mnt

d/d 471: opt

d/d 472: root

d/d 473: run

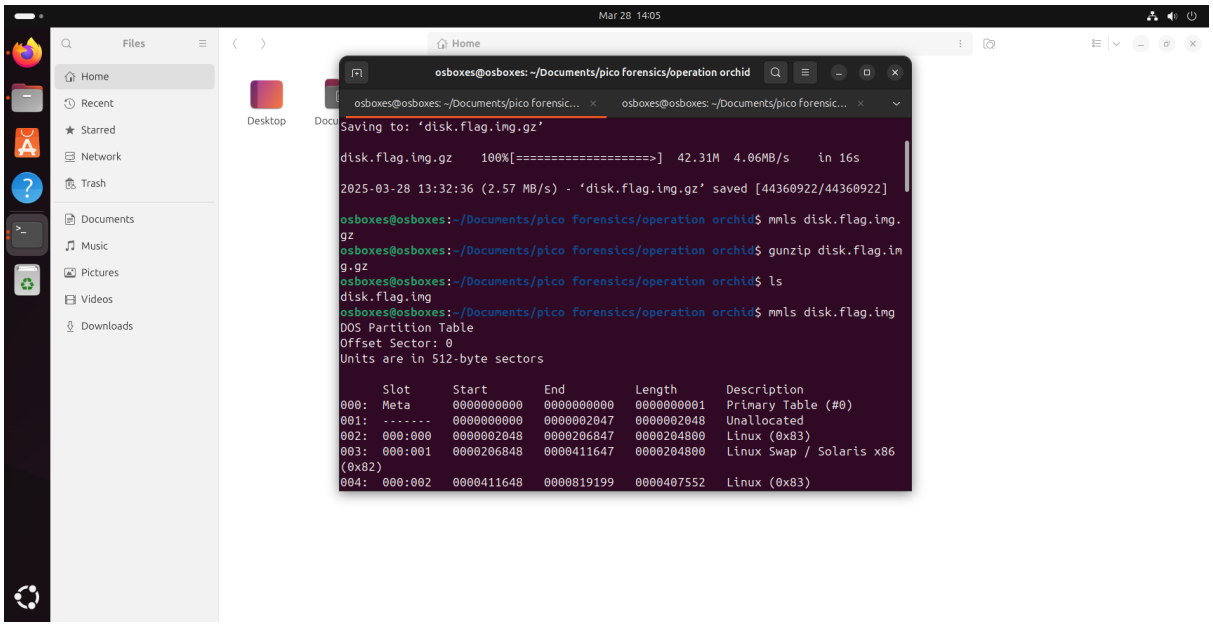
d/d 475: srv

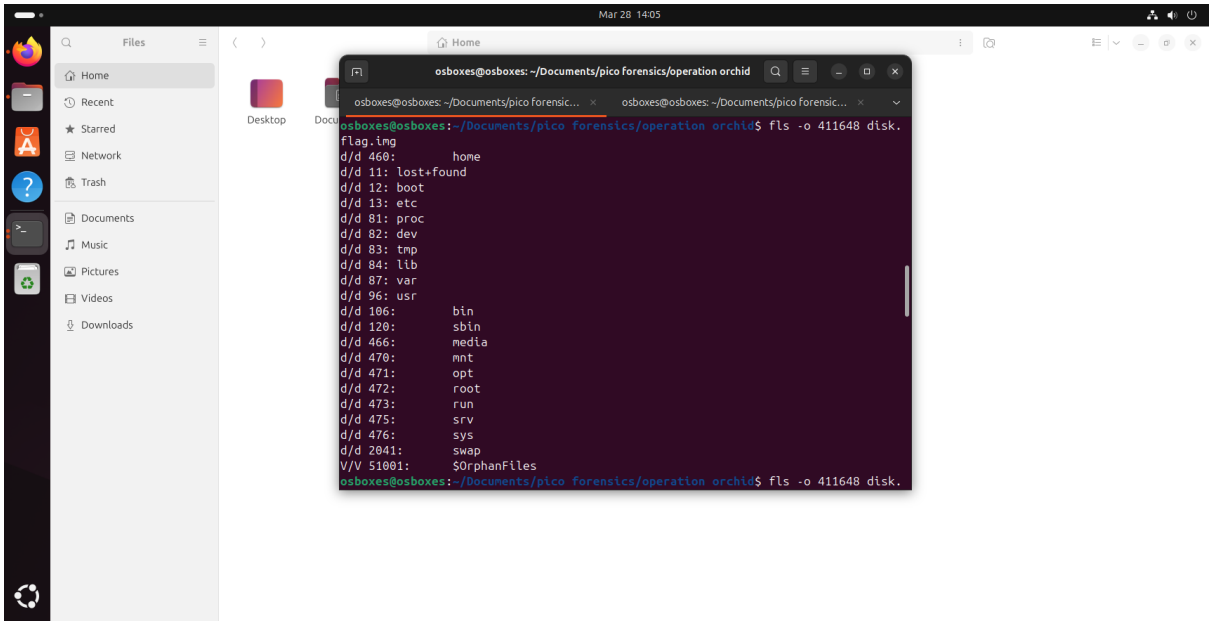
d/d 476: sys

d/d 2041: swap

V/V 51001: $OrphanFiles

Here we have got a root folder from the second partition





fls -o 411648 disk.flag.img 472

r/r 1875: .ash_history

r/r * 1876(realloc): flag.txt

r/r 1782: flag.txt.enc

strings -t d disk.flag.img | grep flag.txt

218985524 flag.txt

218985540 flag.txt.enc

219964416 touch flag.txt

219964431 nano flag.txt

219964483 nano flag.txt

219964506 openssl aes256 -salt -in flag.txt -out flag.txt.enc -k unbreakablepassword1234567

219964588 shred -u flag.txt

303193140 flag.txt

303317044 flag.txt

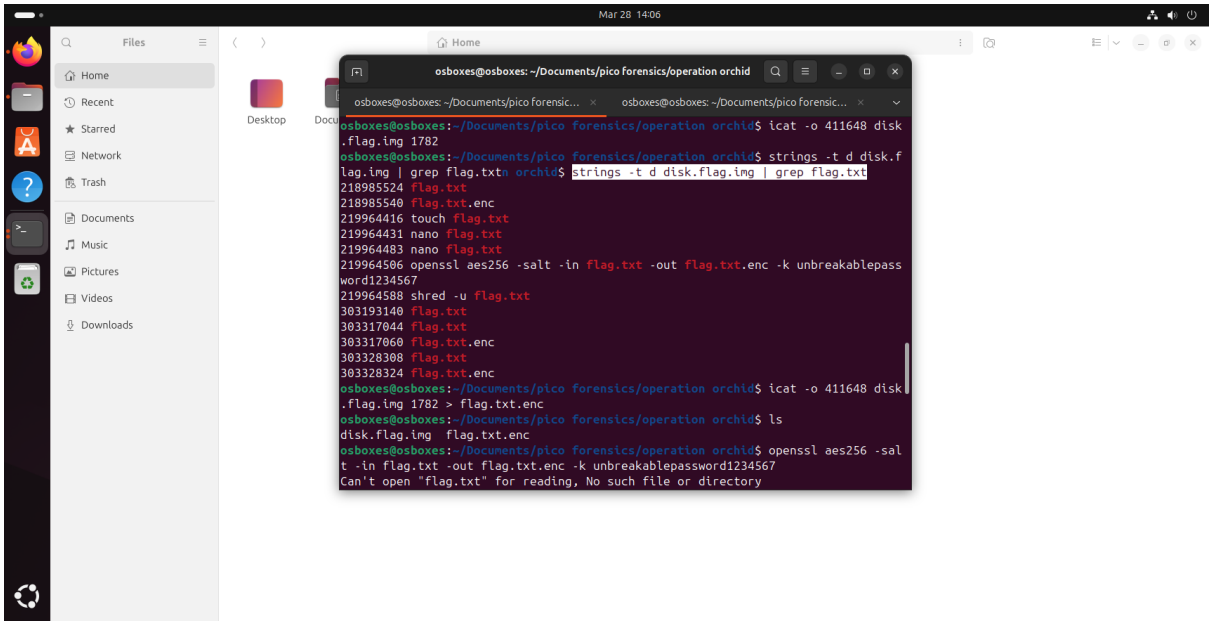
303317060 flag.txt.enc

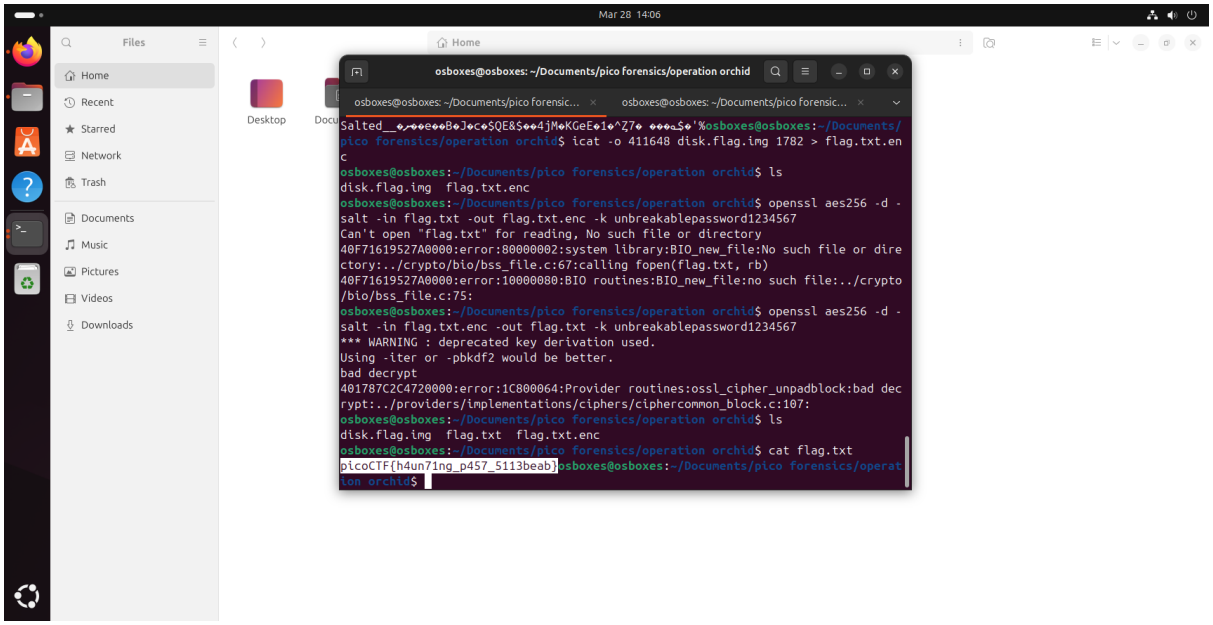
303328308 flag.txt

303328324 flag.txt.enc

icat -o 411648 disk.flag.img 1782 > flag.txt.enc

to print it in a separate file





openssl aes256 -d -salt -in flag.txt.enc -out flag.txt -k unbreakablepassword1234567