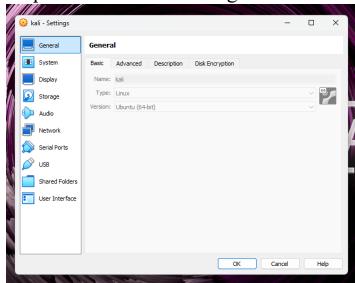
# Today's task:

1. How to create shared folder in kali machine?

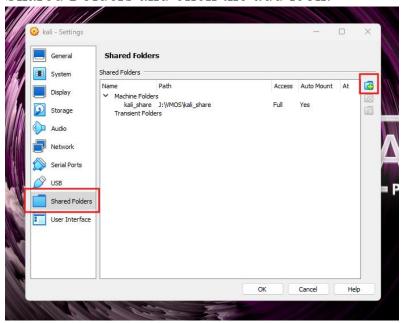
NB: Create a folder in any drive to your windows machine.

Step 01: Start Kali machine.

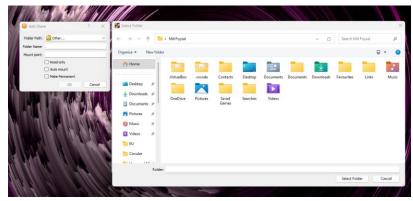
Step 02: Machine→Settings



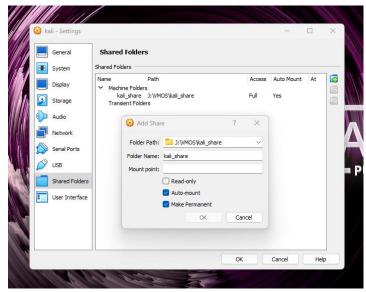
Step 03: Go to Network. Change attached to 'NAT'. Then go to Shared Folders and click the add icon.



Step 03: Choose Folder path to Other and choose windows machine folder that created for share.

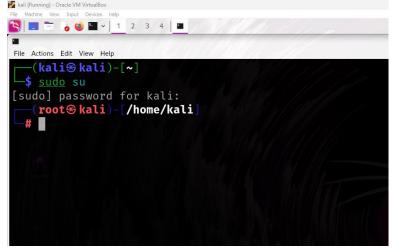


- → Check Auto-mount
- → Check Make Permanent and click ok.



Step 04: To check folder shared or not, Open terminal

Write sudo su or sudo -i command to get super user access.



Write the following command to get folder

# cd /media/sf kali share

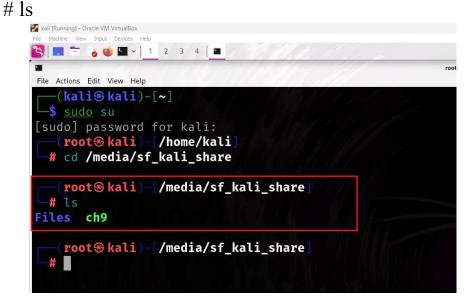
Congratulations! Folder shared.

2. Find the cat location from the disk file.

Step 01: Download disk file name **ch9** from the url https://tinyurl.com/juclassmaterial

Step 02: Copy this file (ch9) to shared folder. Check from file from kali by using following command

# cd /media/sf\_kali\_shareq



#testdisk ch9 (testdisk is a free, open-source utility that can help recover lost partitions and repair corrupted file systems)

```
TestDisk 7.2, Data Recovery Utility, February 2024
Christophe GRENIER <grenier@cgsecurity.org>
https://www.cgsecurity.org

TestDisk is free software, and comes with ABSOLUTELY NO WARRANTY.

Select a media and choose 'Proceed' using arrow keys:
>Disk ch9 - 134 MB / 128 MiB

>[Proceed] [ Quit ]
```

#### Hit enter to Proceed.

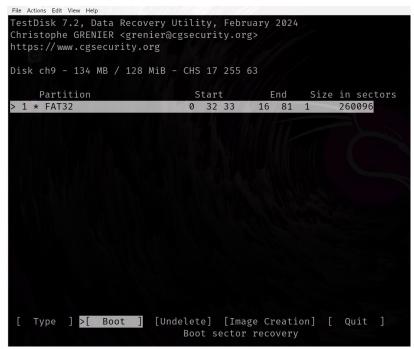
```
TestDisk 7.2, Data Recovery Utility, February 2024
Christophe GRENIER <grenier@cgsecurity.org>
https://www.cgsecurity.org

Disk ch9 - 134 MB / 128 MiB

Please select the partition table type, press Enter when done.
>[Intel ] Intel/PC partition map (Mac i386, some x86_64...)
[Humax ] Humax partition table
[Mac ] Apple partition map (legacy)
[None ] Non partitioned media
[Sun ] Sun Solaris partition
[XBox ] XBox partition
[Return ] Return to disk selection
```

# Hit select Intel by arrow key and hit enter

### Select Advanced and hit enter



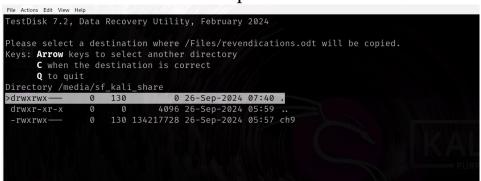
### Select Boot and hit enter

### Select list and hit enter

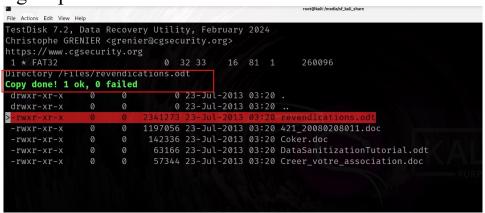


### Select drwxr-xr-x ----- Files and hit enter

## Select red color record and press c

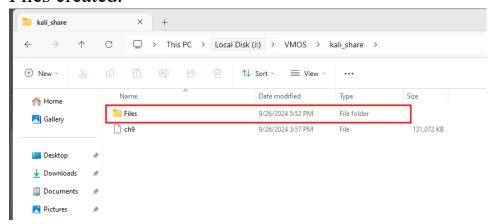


# Again press c.

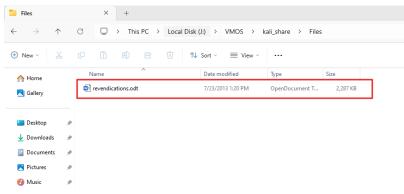


A successful message will appear.

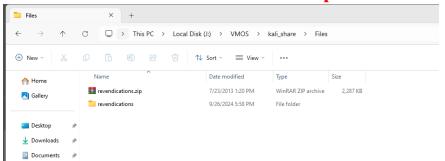
Go to shared folder from windows machine. A folder named Files created.



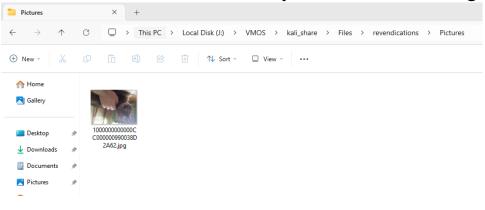
go to Files folder and you can see a file named revendications.odt



Rename this file to revendications.zip and extract



Go to revendications → Pictures, you can found an image.



Now go to kali machine terminal that previously opened. Please q until the following screen appears in terminal.

```
root latin view Help

(root kali) - [/media/sf_kali_share]

# testdisk ch09

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https://www.cgsecurity.org

Unable to open file or device ch09: No such file or directory

(root kali) - [/media/sf_kali_share]

# testdisk ch9

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https://www.cgsecurity.org

(root kali) - [/media/sf_kali_share]

# (root kali) - [/media/sf_kali_share]
```

Go to Pictures folder by following command # cd /media/sf\_kali\_share/Files/revendications/Pictures

```
(root kali) - [/media/sf_kali_share]

# testdisk ch09

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https://www.cgsecurity.org

Unable to open file or device ch09: No such file or directory

(root kali) - [/media/sf_kali_share]

# testdisk ch9

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https://www.cgsecurity.org

(root kali) - [/media/sf_kali_share]

# cd /media/sf_kali_share/Files/revendications/Pictures

(root kali) - [/media/sf_kali_share/Files/revendications/Pictures]
```

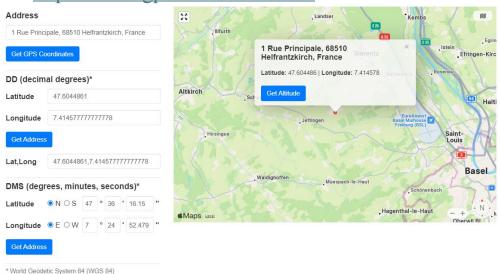
Now extract information from the image using following command

#exiftool image name [press tab, name comes automatically]

```
JPEG (old-style)
Thumbnail Offset
                                  : 8207
Image Width
                                  : 3264
Image Height
                                    2448
Encoding Process
                                  : Baseline DCT, Huffman coding
Bits Per Sample
Cb Cr Sub Sampling
                                    YCbCr4:2:0 (2 2)
Aperture
.
Image Size
Megapixels
Scale Factor To 35 mm Equivalent:
                                    (Binary data 8207 bytes, use -b option to extract)
SPS Altitude
                                    16.7 m Above Sea Level
GPS Latitude
                                  : 47 deg 36' 16.15" N
: 7 deg 24' 52.48" E
                                   0.004 mm
Circle Of Confusion
ield Of View
                                  : 47 deg 36' 16.15" N, 7 deg 24' 52.48" E
GPS Position
                                  : 2.08 m
ight Value
   root® kali)-[/media/sf_kali_share/Files/revendications/Pictures
```

There is much information we need GPS Latitude and GPS Longitude to retrieve image location.

Use <a href="https://www.gps-coordinates.net/">https://www.gps-coordinates.net/</a> we can find the location.



### Result:

### The cat location:

1 Rue Principale, 68510 Helfrantzkirch, France