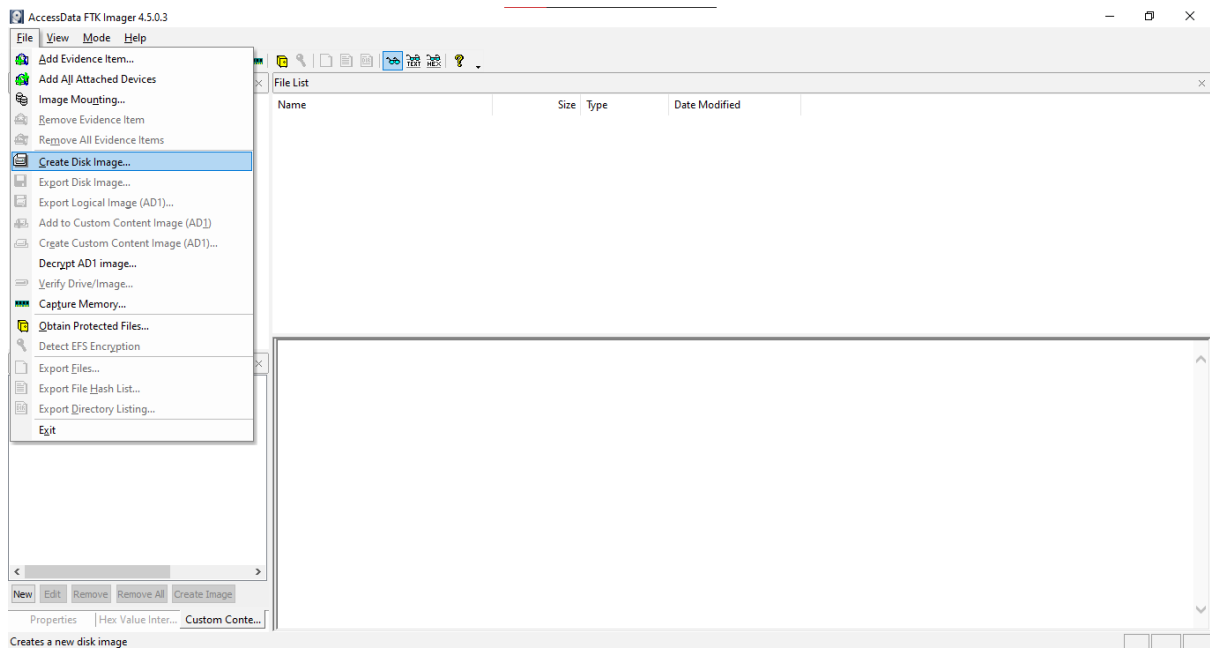


# PRACTICAL 1

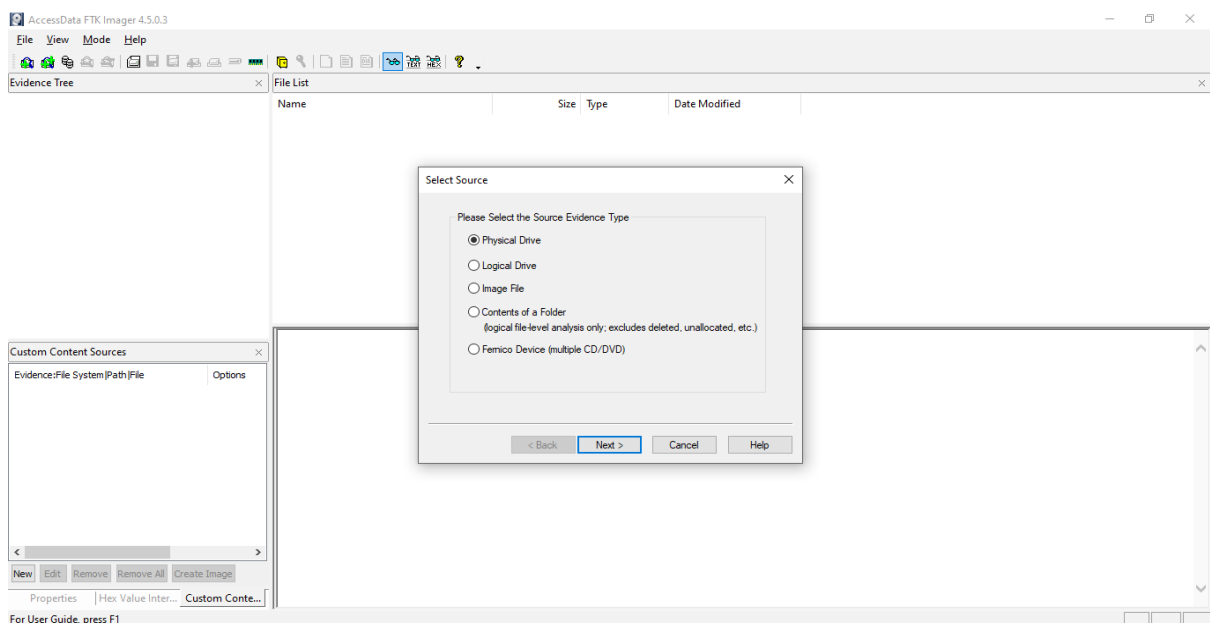
**AIM:** Creating a Forensic Image using FTK Imager/Encase Imager:

- Creating Forensic Image
- Check Integrity of Data - Analyze Forensic Image
- Creating Forensic Image.

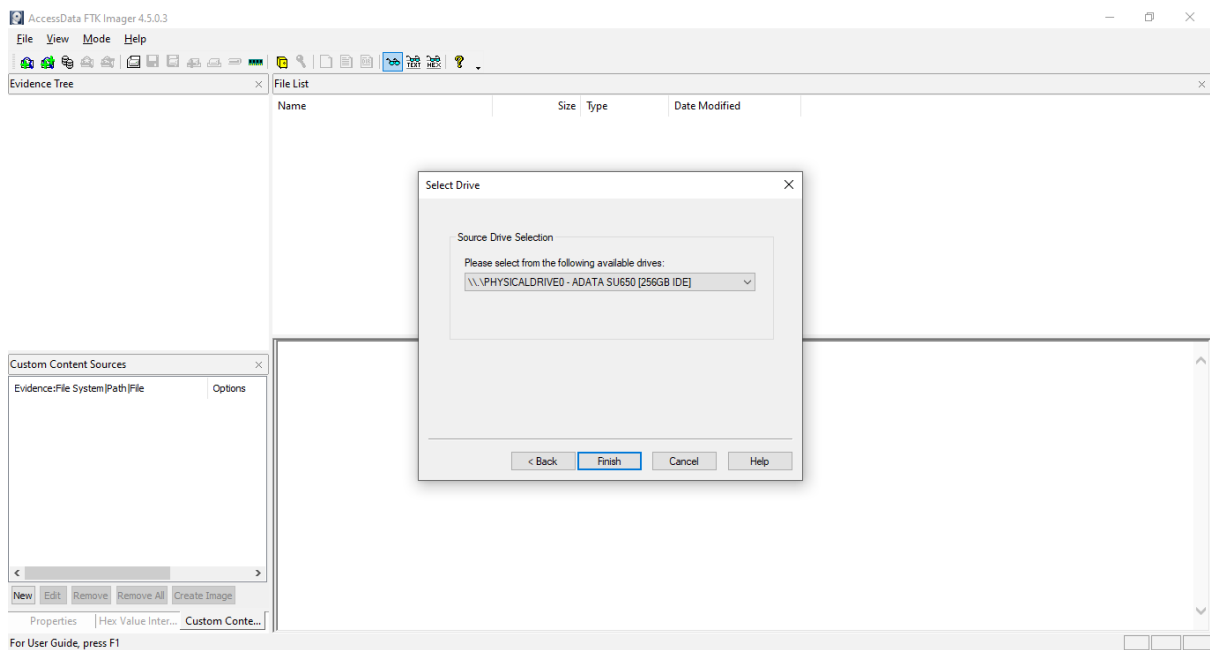
**Step 1:** Click File, and then Create Disk Image, or click the button on the tool bar.



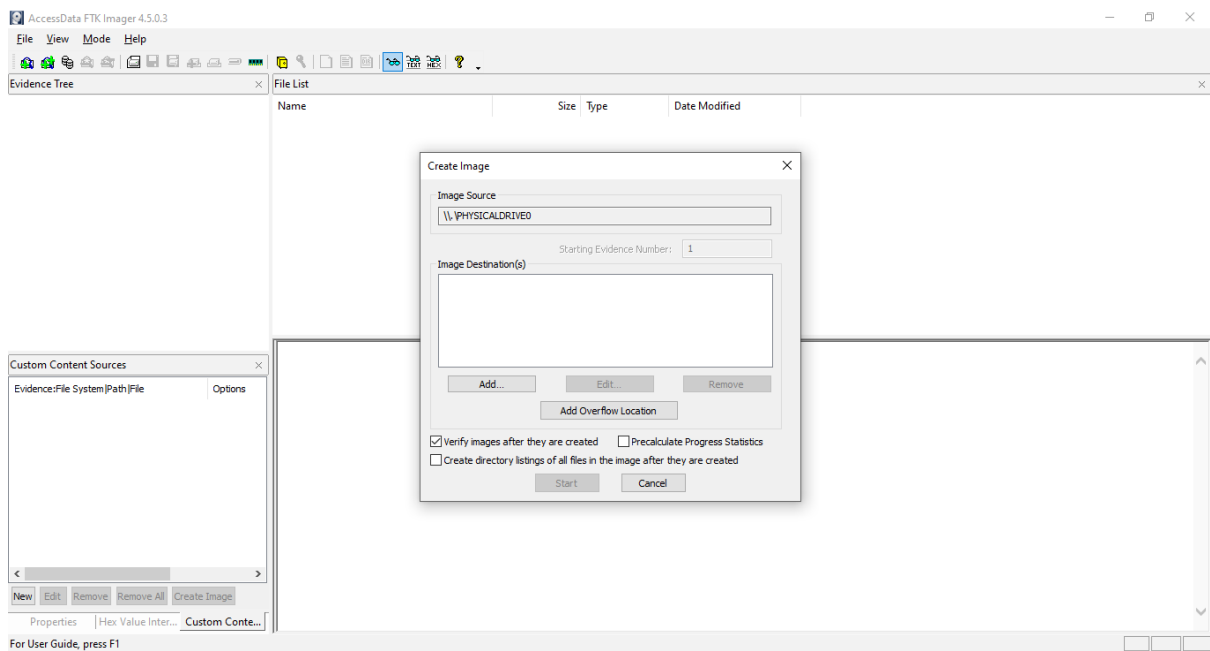
**Step 2:** Select the source evidence type you want to make an image of and click Next.

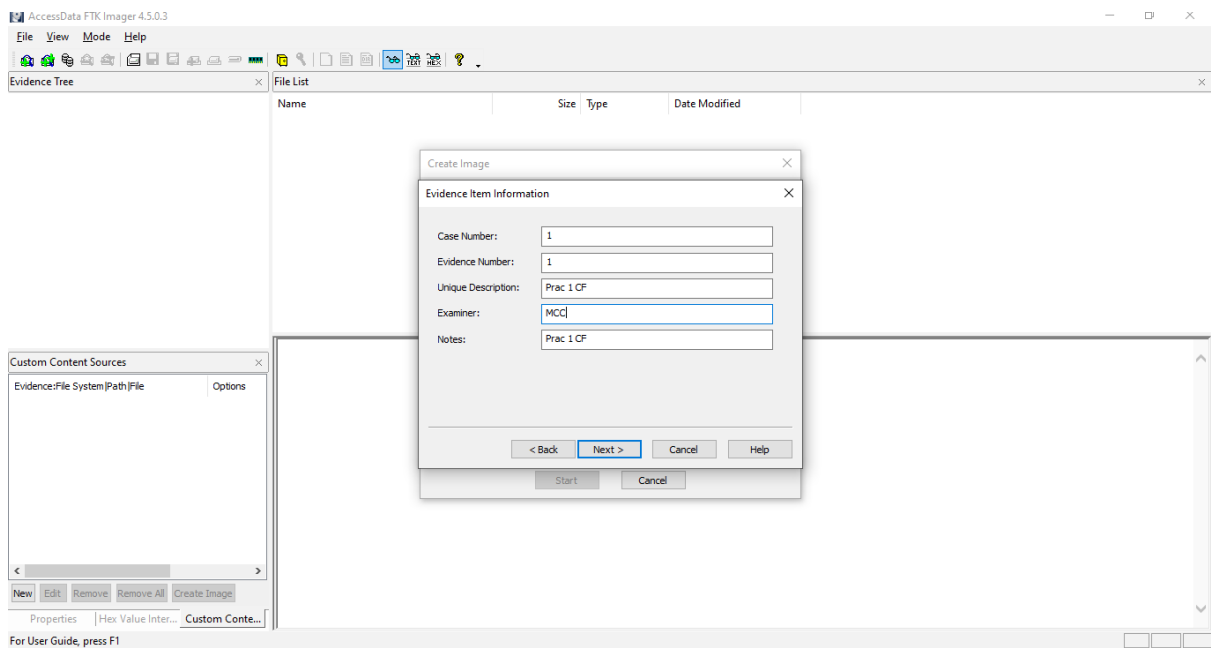
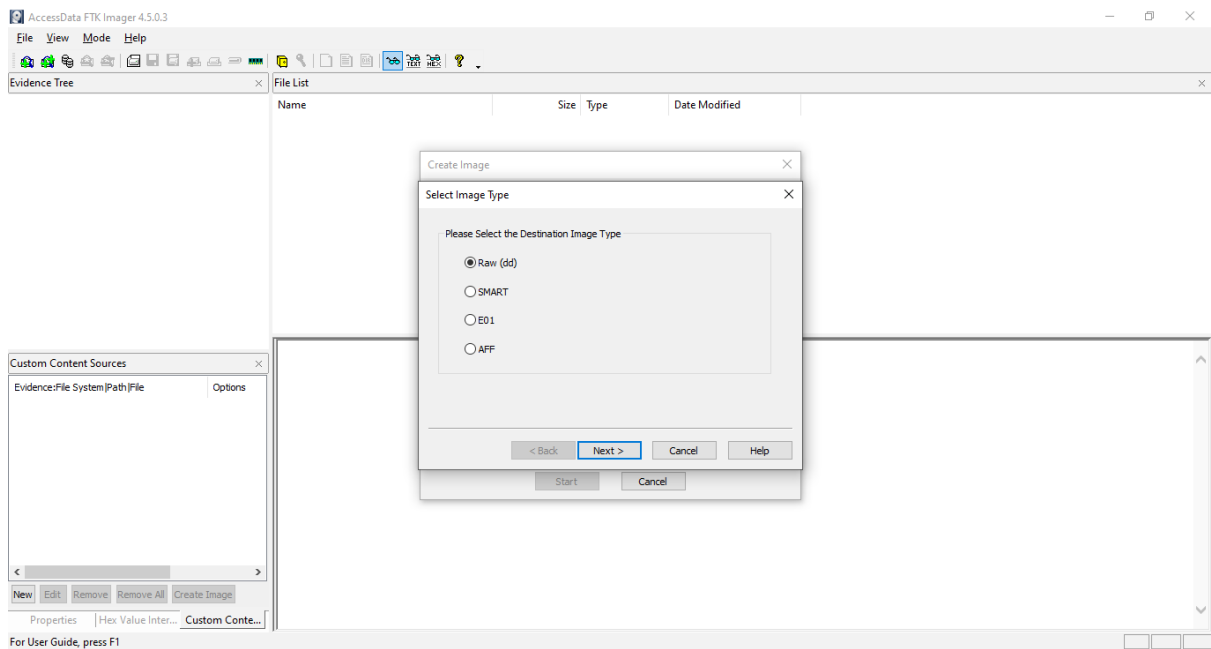


### Step3: Select the source evidence drive with path.

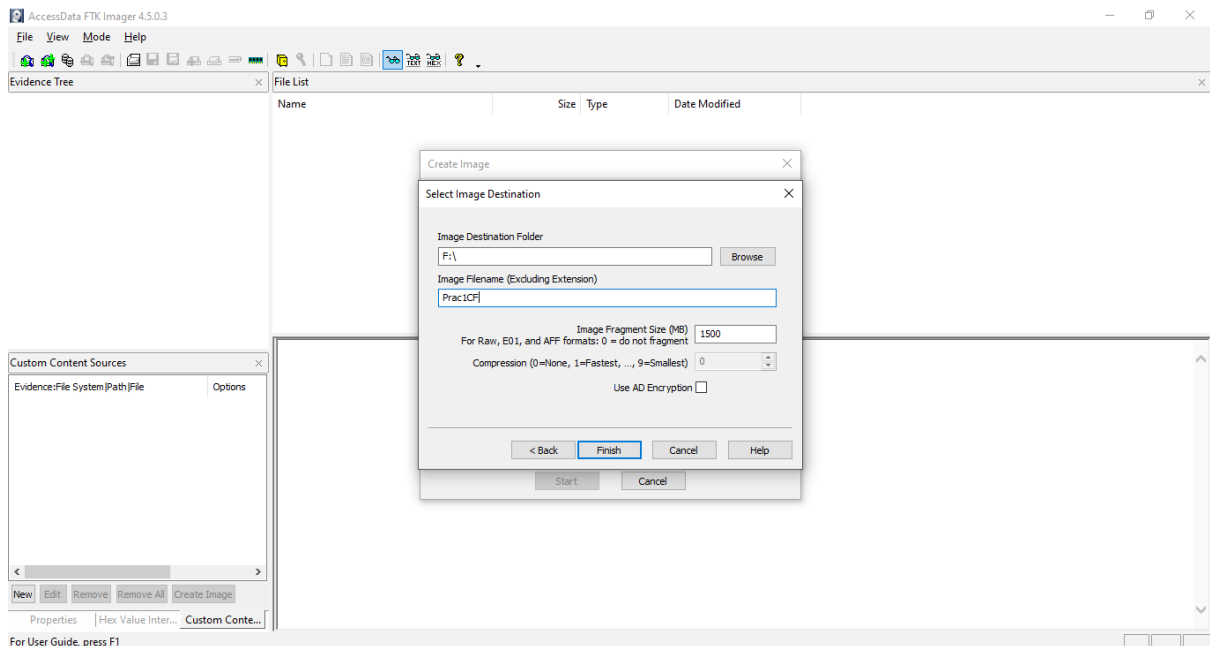


Click on “add” to add image destination.

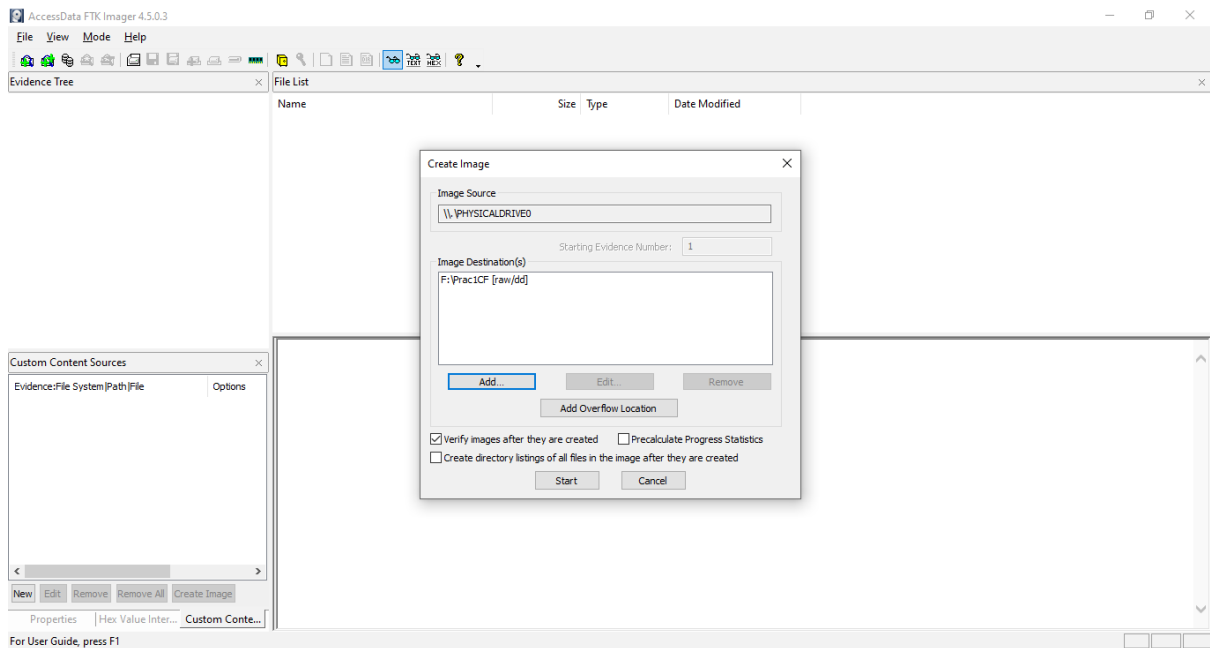


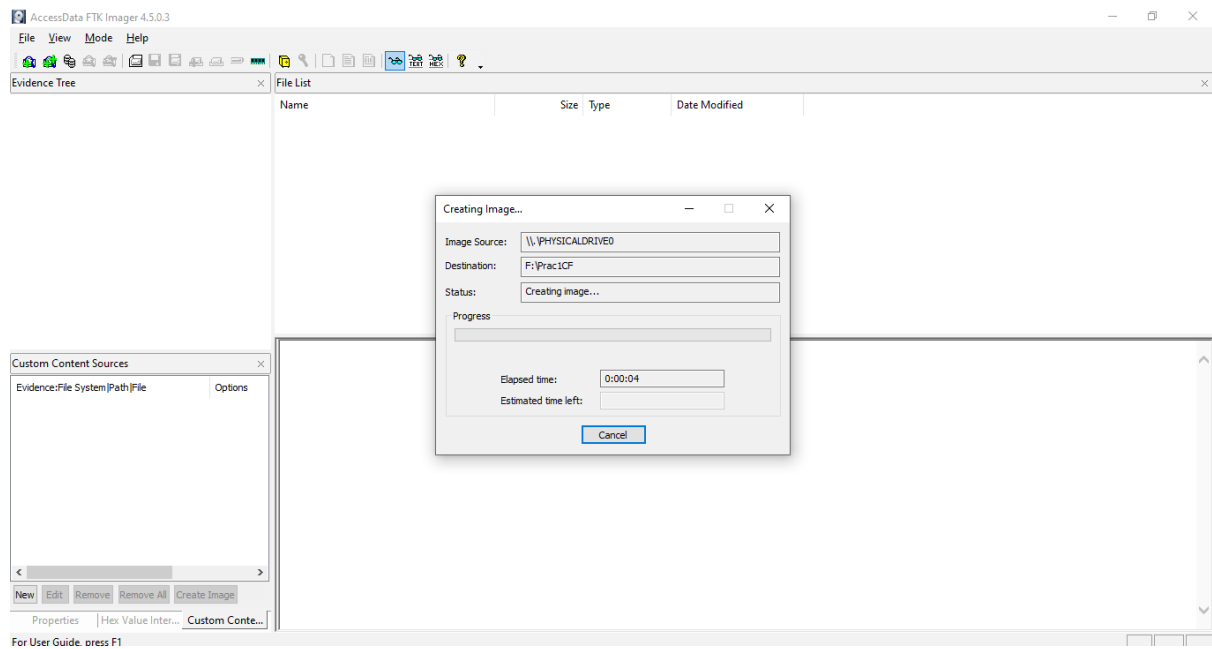


**Step4:** In the Image Destination Folder field, type the location path where you want to save the image file, or click Browse to find to the desired location.



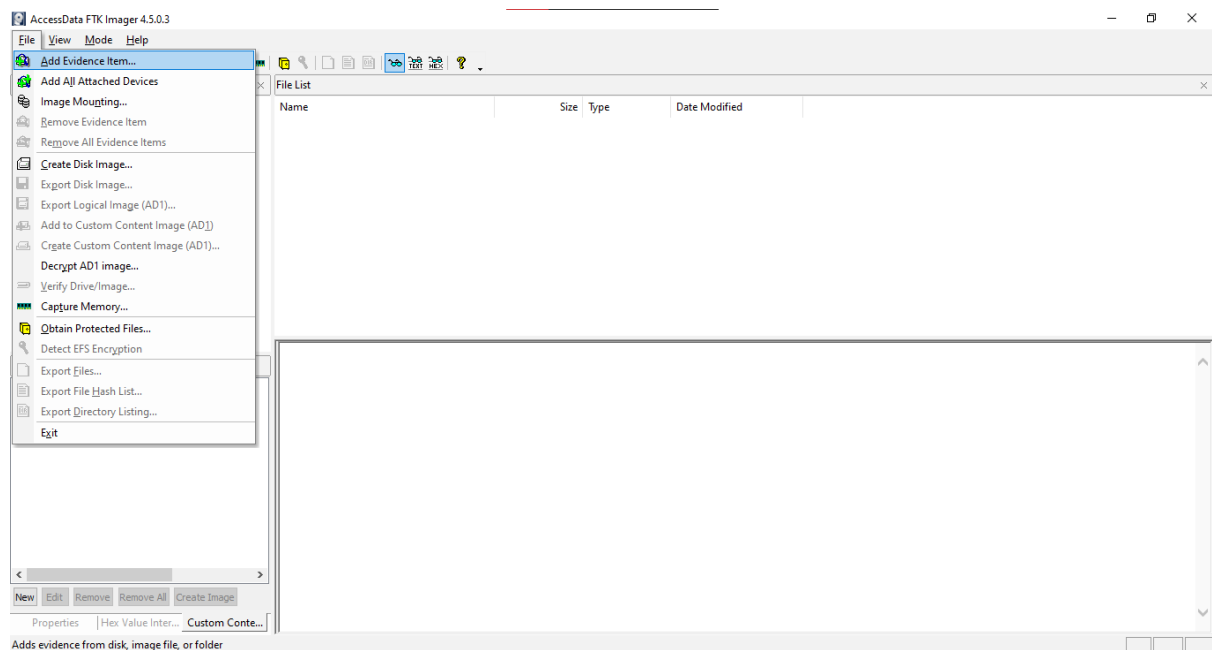
**Step 5:** After adding the image destination path click on finish and start the image processing.



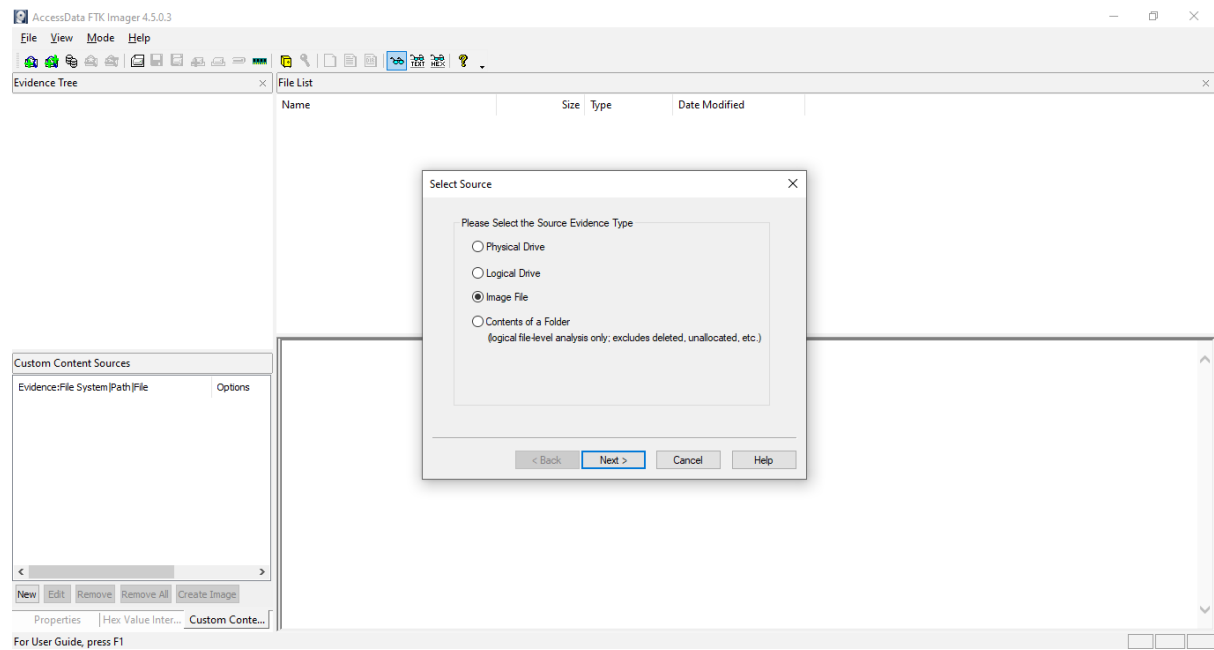


## Analyse Forensic Image:

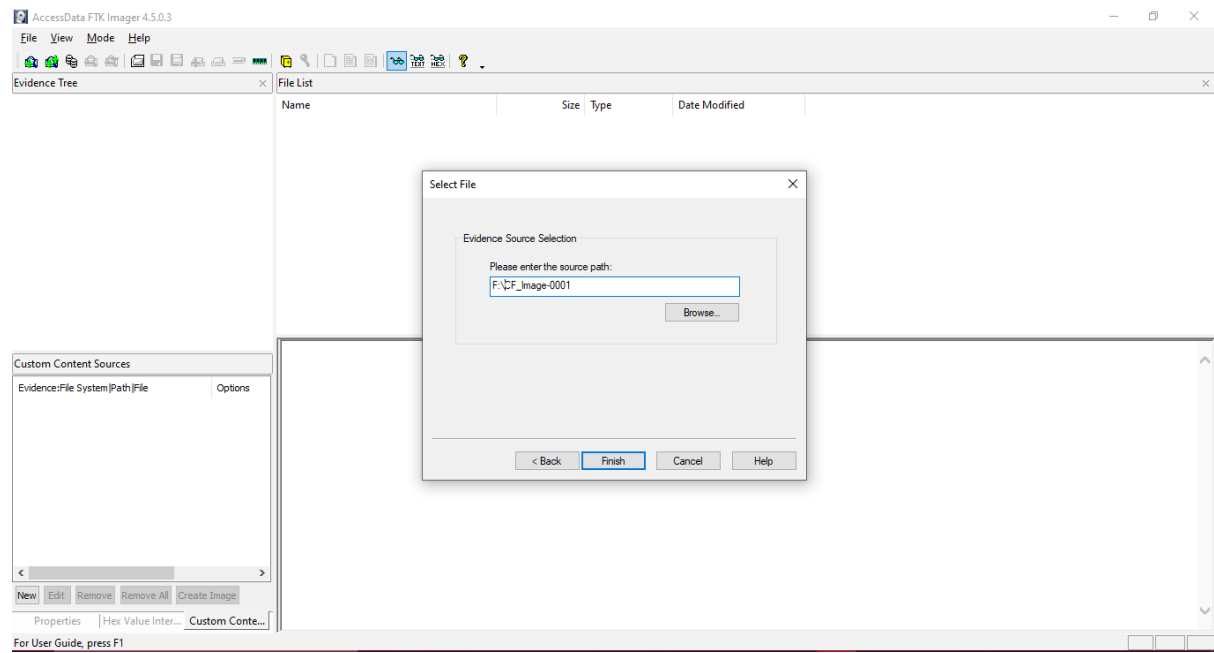
**Step 6:** The images are successfully created. Now Click on Add Evidence Item to add evidence from disk, image file or folder.



Now select the source evidence type as image file.



Open the created evidence image file.



## Step 7: Now select Evidence Tree and analyse the image file.

The screenshot displays the AccessData FTK Imager 4.5.0.3 interface. The 'Evidence Tree' on the left shows a hierarchy starting with 'VRAM [FAT16]', followed by 'root', '1770781\_', '1775562\_', 'Android', 'CF\_SOFTWARES\_EXAM', 'Mitospy', 'EnCase Forensic', 'LOST DIR', 'GP Pract', 'Mitospy', 'EnCase Forensic', 'Samskriti Suites & Resort', 'SHREYAS PRACTICALS S.E', 'System Volume Information', 'Theta', 'Mitospy', and 'EnCase Forensic'. The 'File List' on the right shows a table of files with columns for Name, Size, Type, and Date Modified. The 'Custom Content Sources' panel at the bottom left shows 'Evidence:File System(Path)\File' and 'Options'. The main window displays a hex dump of data, with the cursor positioned at 0x21371, log sec = 1368128.

Name	Size	Type	Date Modified
Isiico	13	Regular File	26-11-2003 17:01:26
Isiico.FileSlack	20	File Slack	
tutorun.inf	1	Regular File	19-01-2007 00:23:20
tutorun.inf.FileSlack	32	File Slack	
Acrobat.exe	20,311	Regular File	10-03-2005 01:57:06
Acrobat.exe.FileSlack	10	File Slack	
EnCase.exe	4,169	Regular File	26-08-2008 23:25:00
EnCase.exe.FileSlack	23	File Slack	
EnCaseDemo.exe	1,047	Regular File	12-01-2007 16:49:14
EnCaseDemo.exe.FileSlack	10	File Slack	
Hunter XP.E01	571,515	Regular File	06-07-2002 23:41:00
Hunter XP.E01.FileSlack	6	File Slack	

Hex Dump (Address | Hex | ASCII):

```
0000 | 2E 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 | . . . . .  
0010 | 88 55 88 55 00 00 66 3D 88 55 7B 53 00 00 00 00 | :U.U..f=.U.S...  
0020 | 2E 2E 20 20 20 20 20 20 20 20 20 20 20 20 20 20 | . . . . .  
0030 | 88 55 88 55 00 00 66 3D 88 55 06 00 00 00 00 00 | :U.U..f=.U.....  
0040 | E5 41 00 63 00 72 00 EF 00 62 00 0F 00 C0 61 00 | AAc r o b . . Aa  
0050 | 74 00 2E 00 65 00 78 00 65 00 00 00 00 00 00 00 | T . . e x e . . . .  
0060 | E5 43 52 4F 42 41 54 20 45 58 45 20 00 65 66 3D | ACROBAT EXE .-f=  
0070 | 88 55 88 55 00 00 23 0F 6A 32 7C 53 30 5B 3D 01 | :U.U..# j2(SO(=  
0080 | E5 55 54 4F 52 55 4E 20 49 4E 46 20 18 2A 69 3D | AUTORUN INF .^h=  
0090 | 88 55 88 55 00 00 EA 02 33 36 77 55 2D 00 00 00 | :U.U..e:36+U-...  
00a0 | E5 45 00 6E 00 43 00 61 00 73 00 0F 00 3B 65 00 | AE n C a s . . :e  
00b0 | 2E 00 65 00 78 00 65 00 00 00 00 00 00 00 00 00 | T . . e x e . . . .  
00c0 | E5 4E 43 41 53 45 20 20 45 58 45 20 00 6B 69 3D | ANCASE EXE .-h=  
00d0 | 88 55 88 55 00 00 20 BB 1A 39 F8 55 00 24 41 00 | :U.U..>.9eU-gA.  
00e0 | E5 65 00 00 00 FF FF FF FF FF FF 0F 00 E3 FF FF | Ae . . . yyyyyyy .-ayy  
00f0 | FF FF FF FF FF FF FF FF FF FF 00 00 FF FF FF FF | yyyyyyyyyy .-yyy  
0100 | E5 45 00 6E 00 43 00 61 00 73 00 0F 00 E3 65 00 | AE n C a s . . :e  
0110 | 44 00 65 00 6D 00 6F 00 2E 00 00 00 65 00 78 00 | D e m o . . . . e x  
0120 | E5 4E 43 41 53 45 7E 31 45 58 45 20 00 4D 69 3D | ANCASE-1EXE .Mi=  
0130 | 88 55 88 55 00 00 27 86 2C 36 7B 56 59 10 00 | :U.U.. . , 6(V-Y .
```

Cursor pos = 0; clus = 21371; log sec = 1368128