



Aankarsh / Install-Autopsy-and-Analyze-the-Disk-File-and-Folder-Co...



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Install-Autopsy-and-Analyze-the-Disk-File-and-Folder-Configuration



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EX - 03 Install-Autopsy-and-Analyze-the-Disk-File-and-Folder-Configuration

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REG NO: 212223233001

AIM:

To install Autopsy on Kali Linux and analyze disk images, files, and folder configurations for digital forensic purposes.

DESIGN STEPS:

Step 1:

Install Autopsy using the terminal with the command:

Step 2:

Launch Autopsy from the terminal or application menu and create a new case.

Step 3:

Add a disk image or file to the case and analyze the contents such as deleted files, metadata, and folder structure.

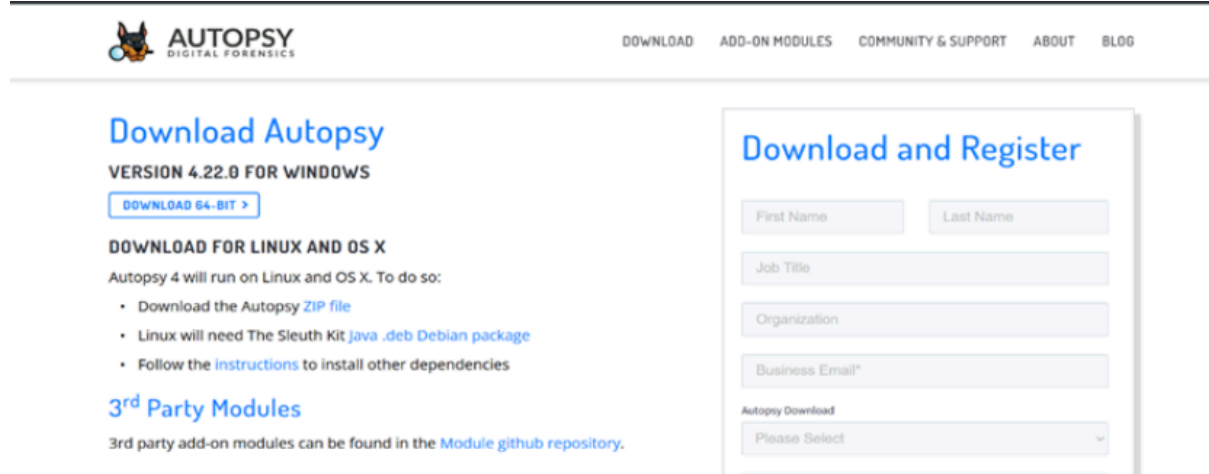
PROGRAM:

Autopsy Installation and Analysis Steps

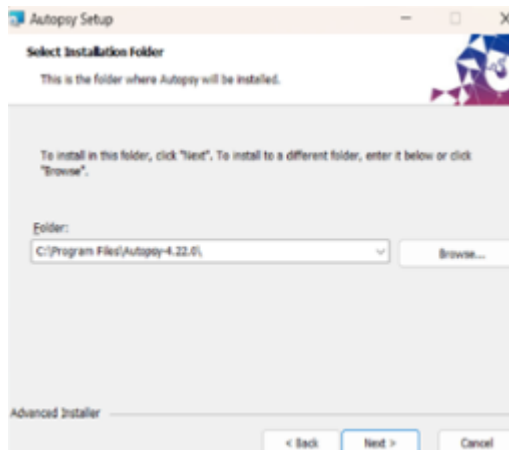
INSTALLATION PROCEDURE:

Step1:Download Autopsy

- Visit Autopsy Official Website and download the latest version.
- Double-click the downloaded file and follow the on-screen instructions.



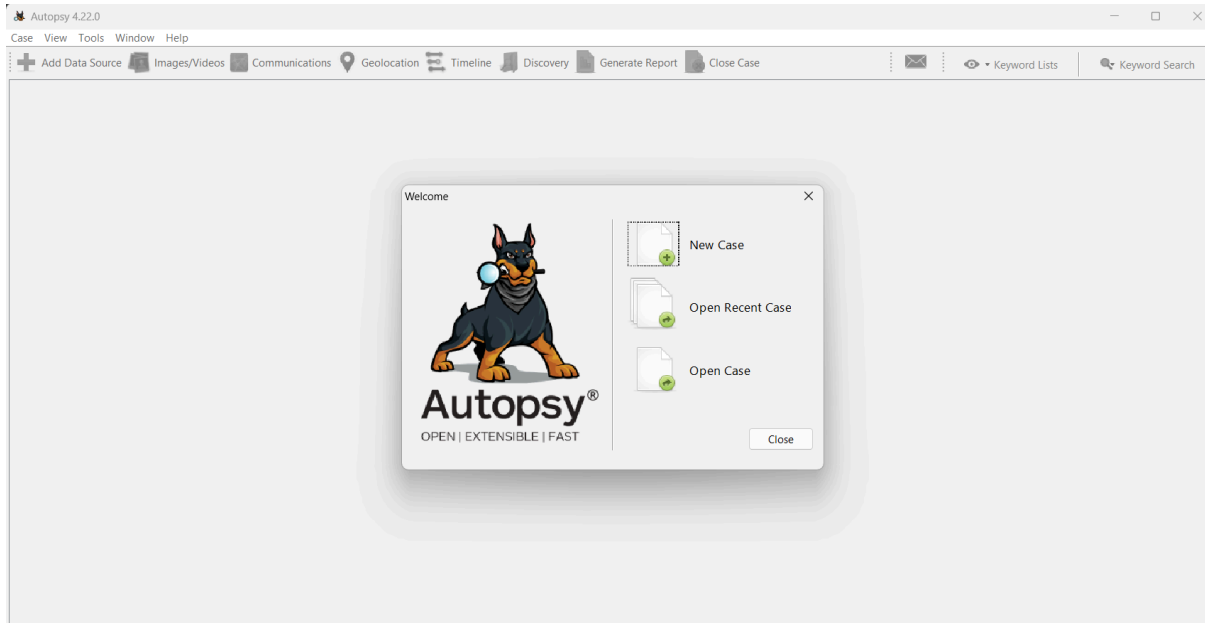
Step2:Installation Process



- Launch Autopsy if it correctly works.



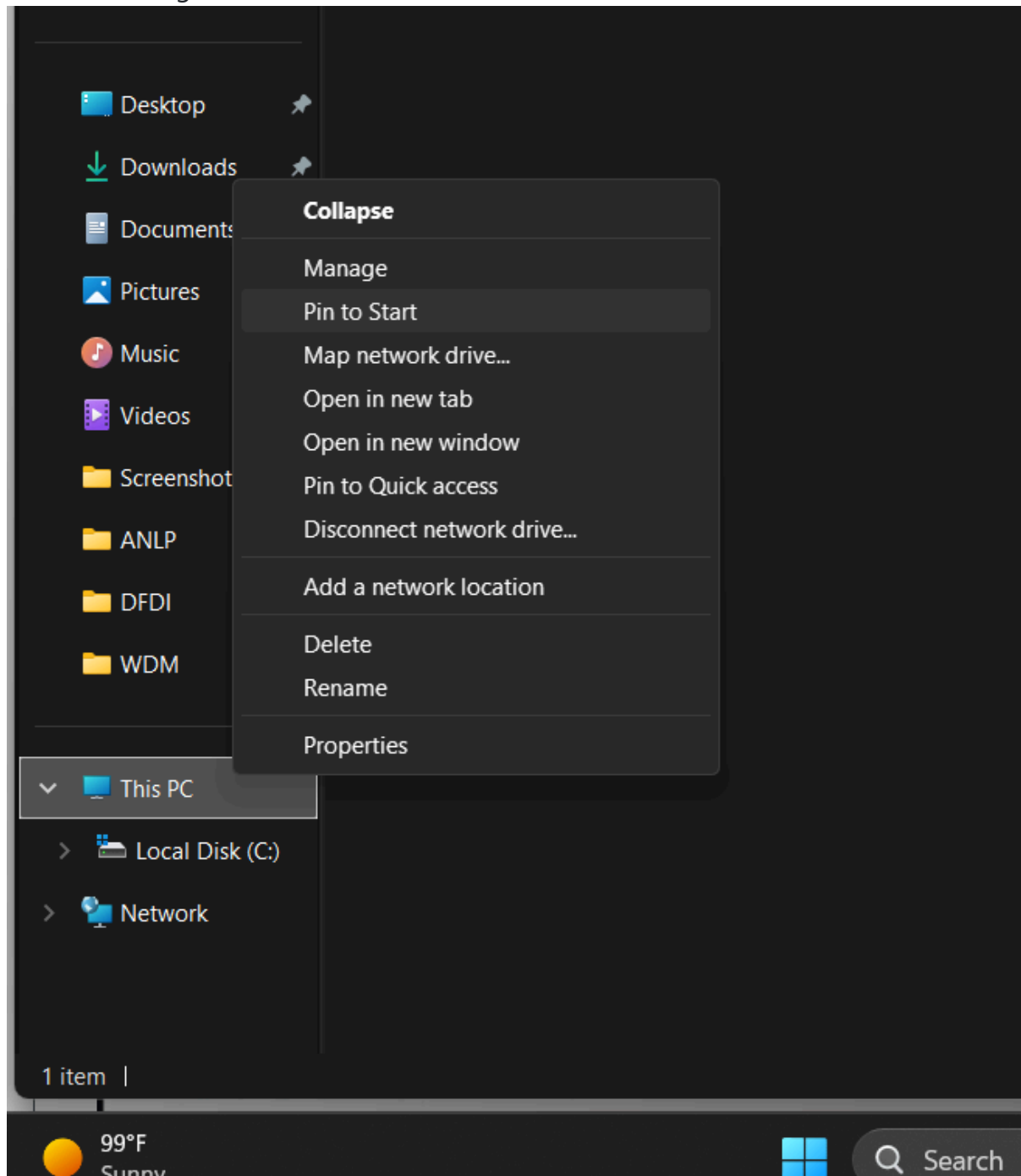
- Successfully installed & Autopsy Interface



CREATING A DISK PARTITION:

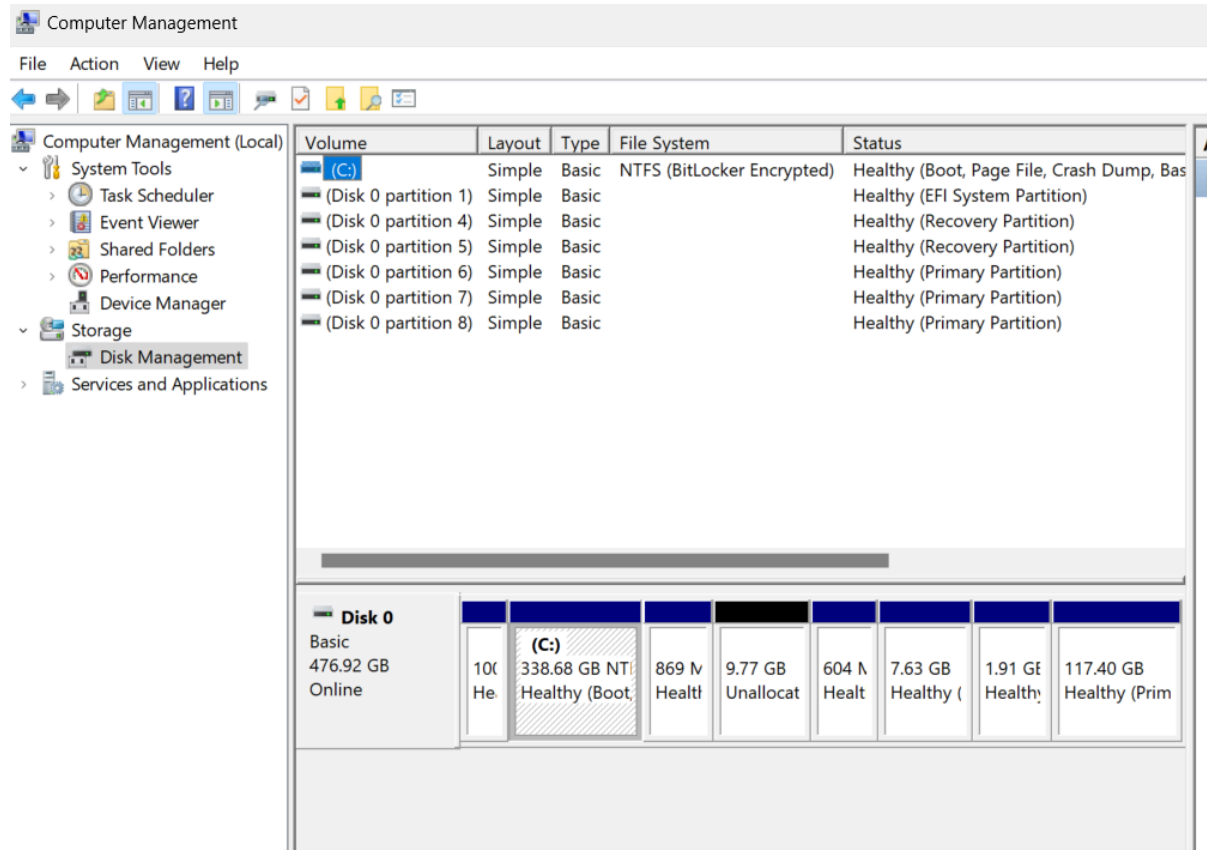
Step1: Open File Manager

- Right-click This PC → Click Show More Options.
- Select Manage.



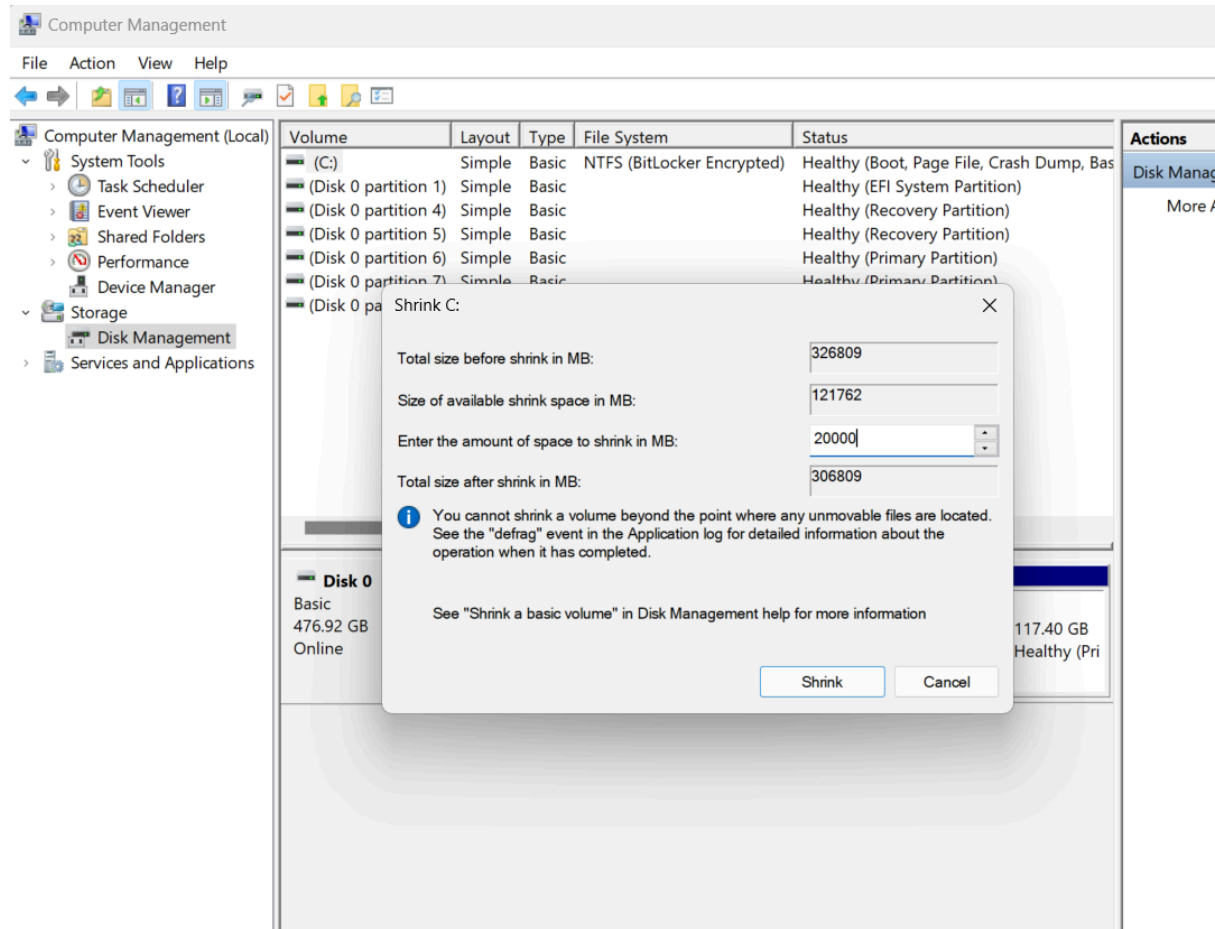
Step2: Access Disk Management

- In the new window, select Disk Management.



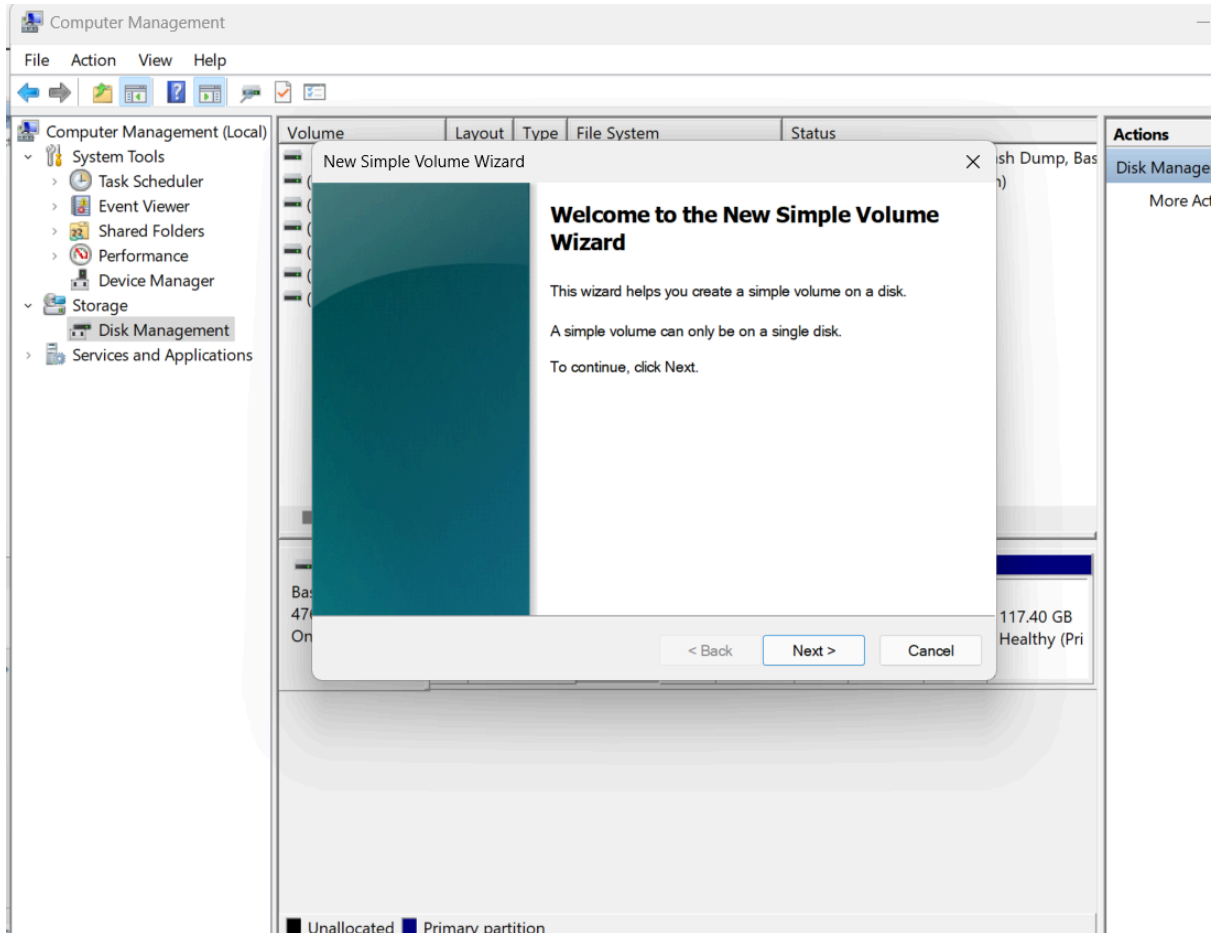
Step3: Shrink the C Drive to Allocate Space

- Locate C: drive → Right-click → Select Shrink Volume.
- Enter the amount of memory to allocate for the new disk.
- Click Shrink.

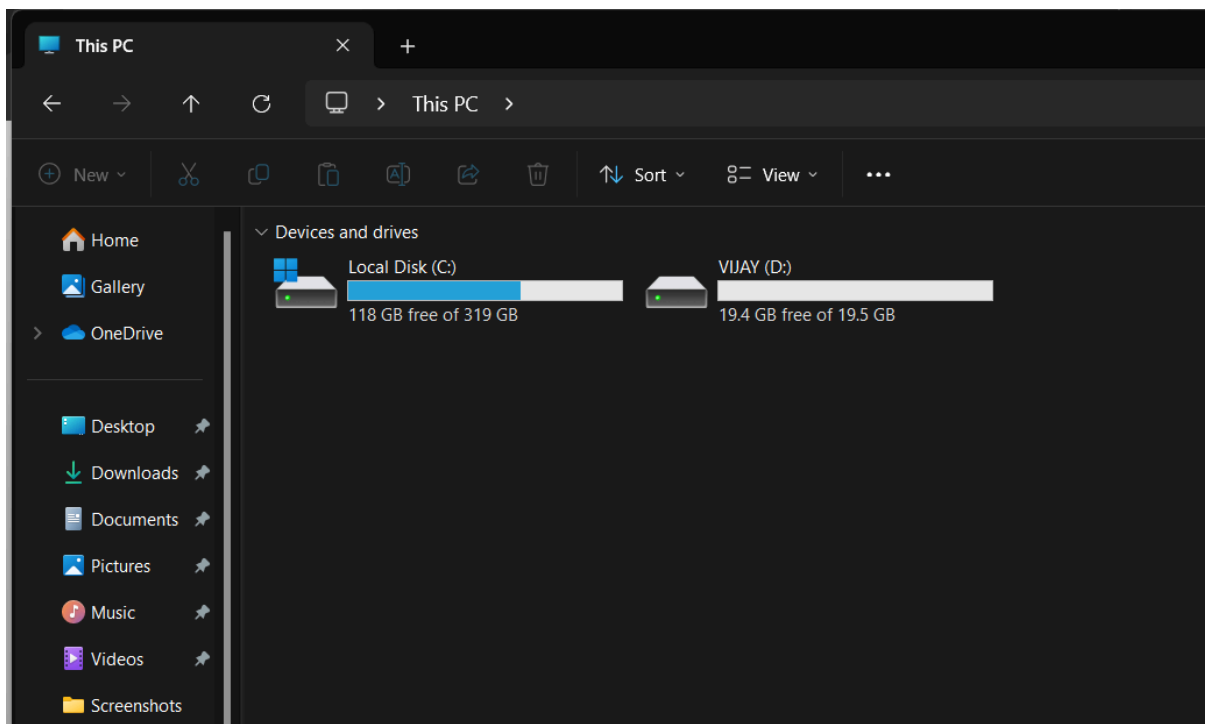


Step4: Create a New Volume

- Right-click on the newly unallocated space → Select New Simple Volume.



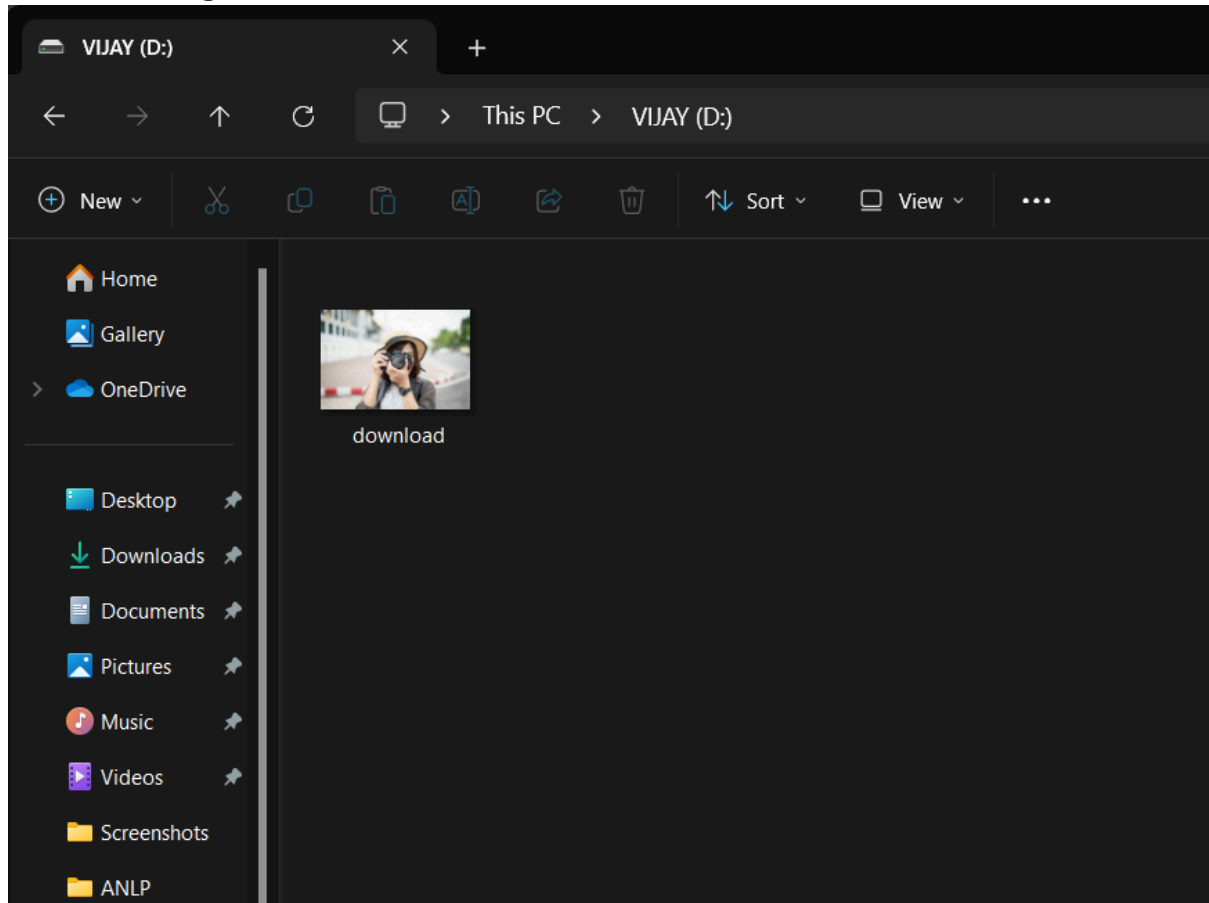
- Follow the wizard and assign a disk name
- Click Finish to complete the process.
- The new Disk Partition is created



ADDING FILES:

Step1: Copy Files to the Partition:

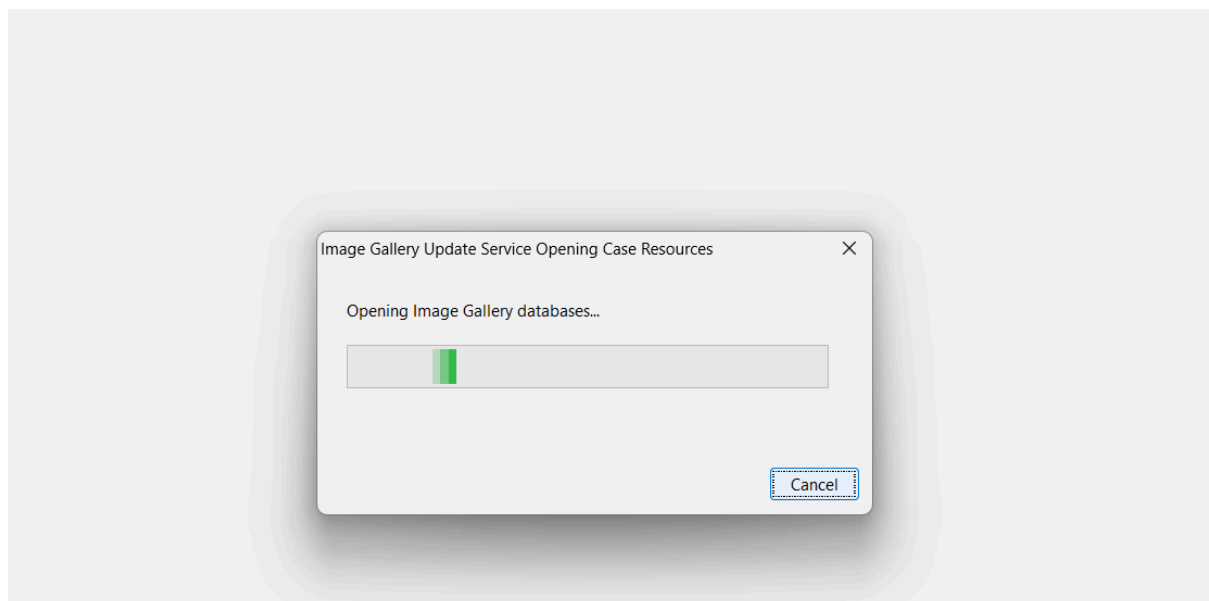
- Open File Explorer → Navigate to the newly created drive (C: or D:).
- Transfer images or files into it.



OUTPUT:ANALYSING FILES USING AUTOPSY:

Step1: Create a Case

- Enter a case name and select a location to store the case data.



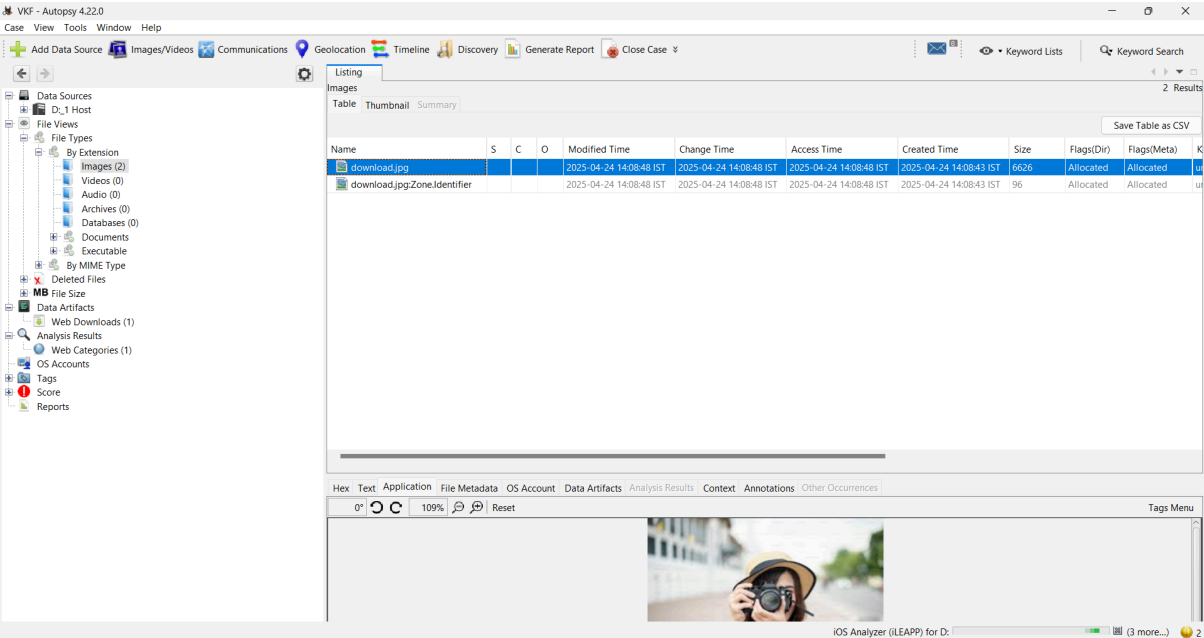
- Provide a case number and investigator details if required.

Step2: Add a Data Source

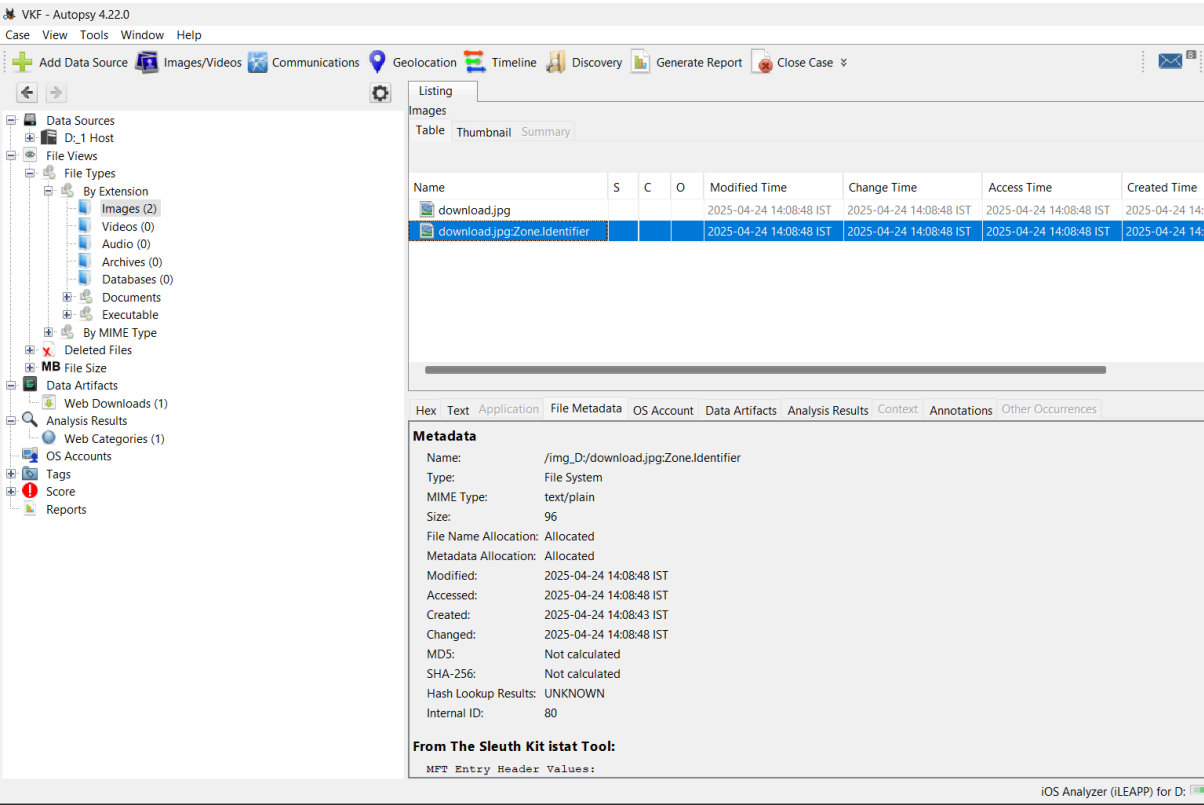
- Click "Add Data Source" and choose the type:
- Select the data source and let Autopsy process it.

Step3: File Analysis

- Application



- File Metadata



- Click OS Account.

HexTextApplicationFile MetadataOS AccountData ArtifactsAnalysis ResultsContextAnnotationsOther Occurrences

Basic Properties

Login:

Full Name:

Address: S-1-5-21-1500779949-3449423590-2223816209-1001

Type:

Creation Date:

Object ID: 28

Realm Properties

Name: Unknown

Address: S-1-5-21-1500779949-3449423590-2223816209

Scope: Domain

Confidence: Known

• Generate Report

Report Navigation

Case Summary

Tagged Files (0)

Tagged Images (0)

Tagged Results (0)

Web Categories (1)

Web Downloads (1)

Autopsy Forensic Report

Warning, this report was run before ingest services completed!

HTML Report Generated on 2025/04/24 14:16:43

Case: VKF

Case Number: 173

Number of data sources in case: 1

Image Information:

D:

Timezone: Asia/Calcutta

Path: \\.\D:

Software Information:

Autopsy Version: 4.22.0

Android Analyzer Module: 4.22.0

Android Analyzer (aLEAPP) Module: 4.22.0

Central Repository Module: 4.22.0

DJI Drone Analyzer Module: 4.22.0

Data Source Integrity Module: 4.22.0

Email Parser Module: 4.22.0

RESULT:

Autopsy was installed successfully and used to analyze disk, file, and folder configuration for forensic investigation.