

Report of Project

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INT301: Open Source Technologies

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<https://github.com/Sidrasimrose/CA3>

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1. Introduction

1.1 Objective of the project

The objective of this project is to use open source software to find and repair partly erased or damaged multimedia files from a system within the last 3 months.

1.2 Description of the project

Multimedia files, such as photos, videos, and audio recordings, are important assets for many users. Unfortunately, these files can become corrupted, damaged, or accidentally deleted. The purpose of this project is to use open source software to recover and repair multimedia files that have been partially erased or damaged on a system within the last 3 months.

1.3 Scope of the project

The scope of this project is to recover and repair multimedia files that have been partially erased or damaged within the last 3 months. The project will focus on open source software (EaseUS) that is freely available and can be run on a typical desktop computer.

2. System Description

2.1 Target system description

The target system for this project is a typical desktop computer running a modern operating system, such as Windows, macOS, or Linux. The computer should have a standard set of multimedia files, including photos, videos, and audio recordings, that have been partially erased or damaged within the last 3 months.

2.2 Assumptions and Dependencies

The project assumes that the target system has not been subject to any major hardware failures or other catastrophic events that would prevent the recovery of multimedia files. The

project also assumes that the open source software used is compatible with the target system and can be installed and run without issue.

2.3 Functional/Non-Functional Dependencies

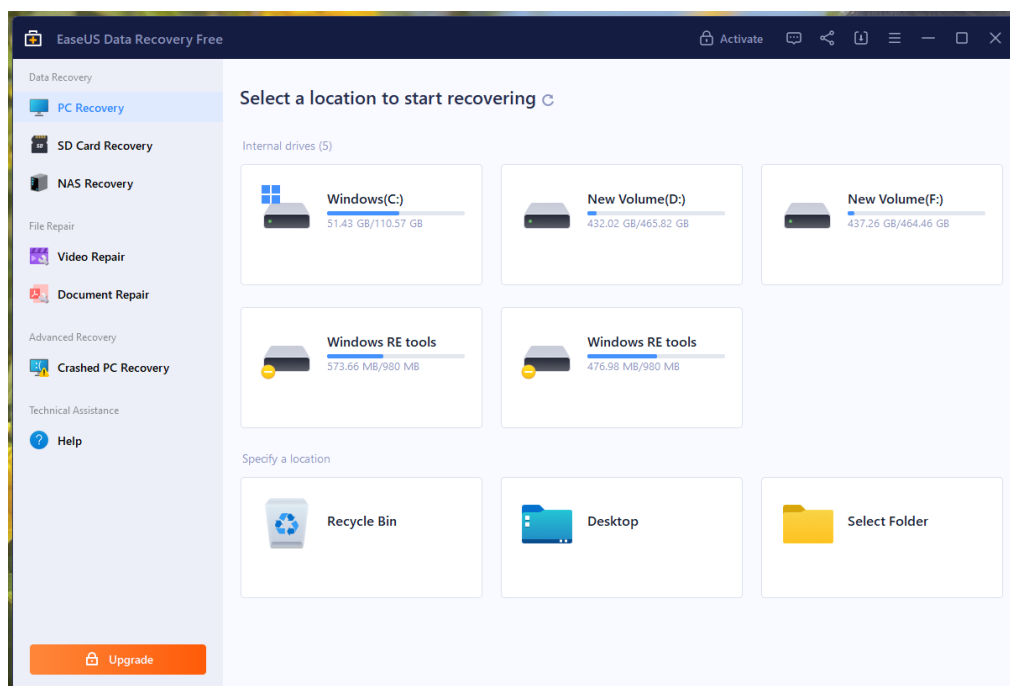
The project depends on the functionality of open source software tools to recover and repair multimedia files. Non-functional dependencies may include the availability of hardware resources, such as storage space and processing power, to run the open source software.

2.4 Data set used in support of your project

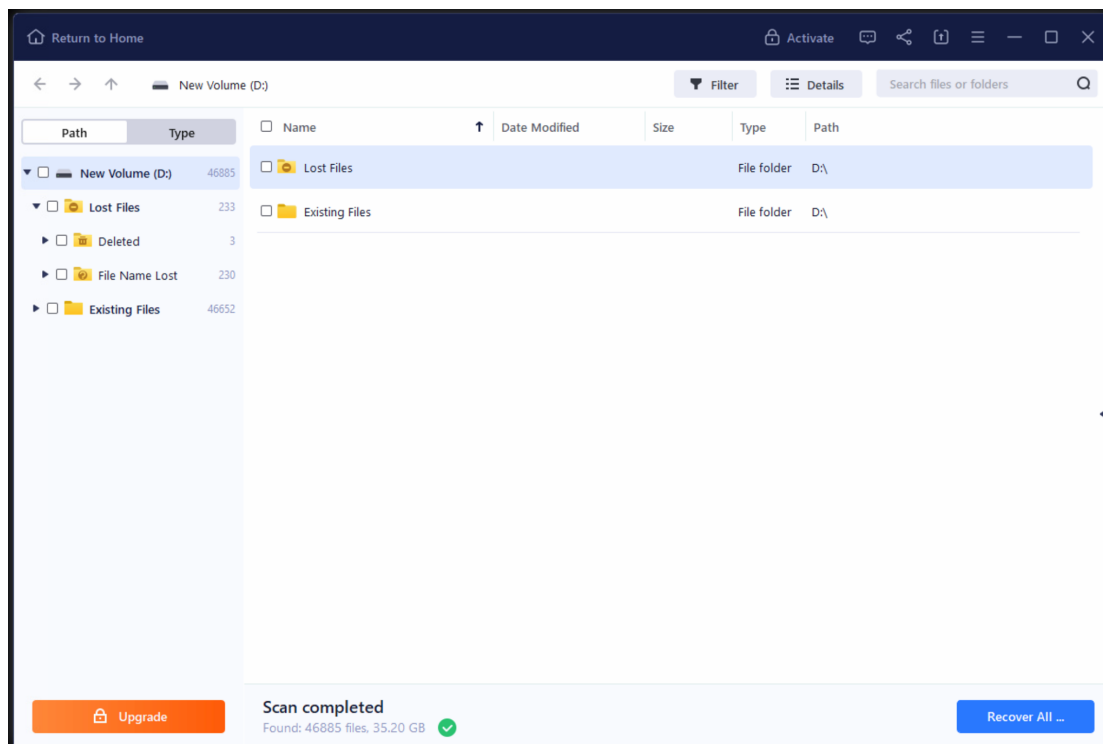
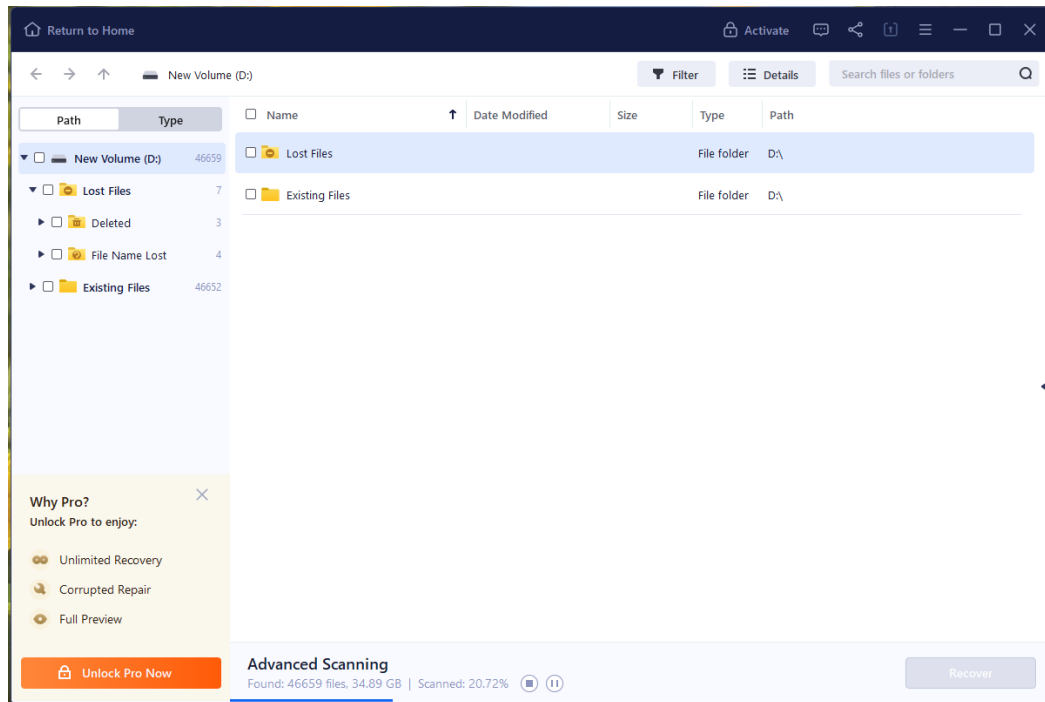
The project will use a sample set of multimedia files, including photos, videos, and audio recordings, that have been partially erased or damaged within the last 3 months. The files will be sourced from a test system and will not include any sensitive or private information. No data set is required for this project.

3. Analysis Report

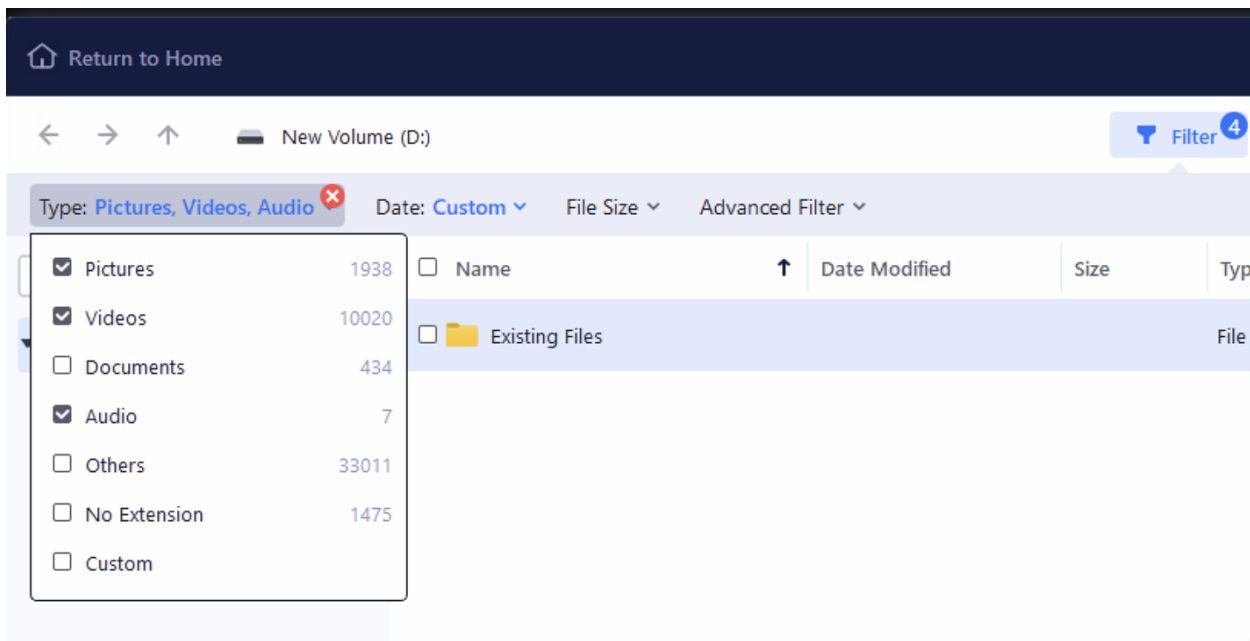
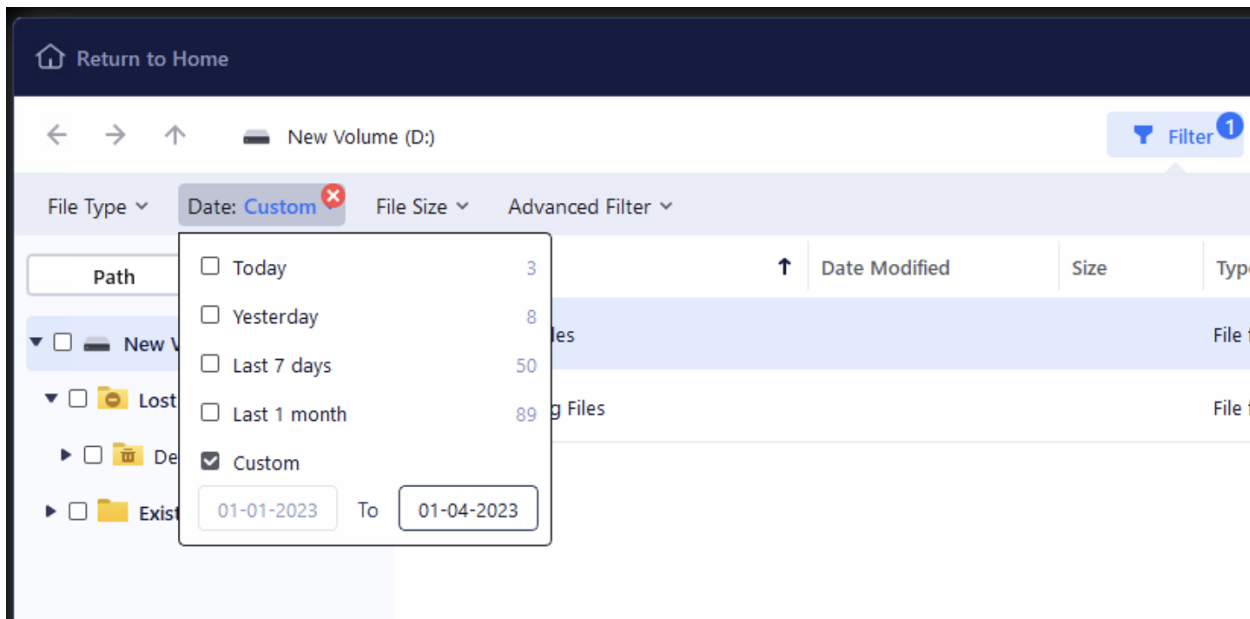
3.1 System snapshots and full analysis report

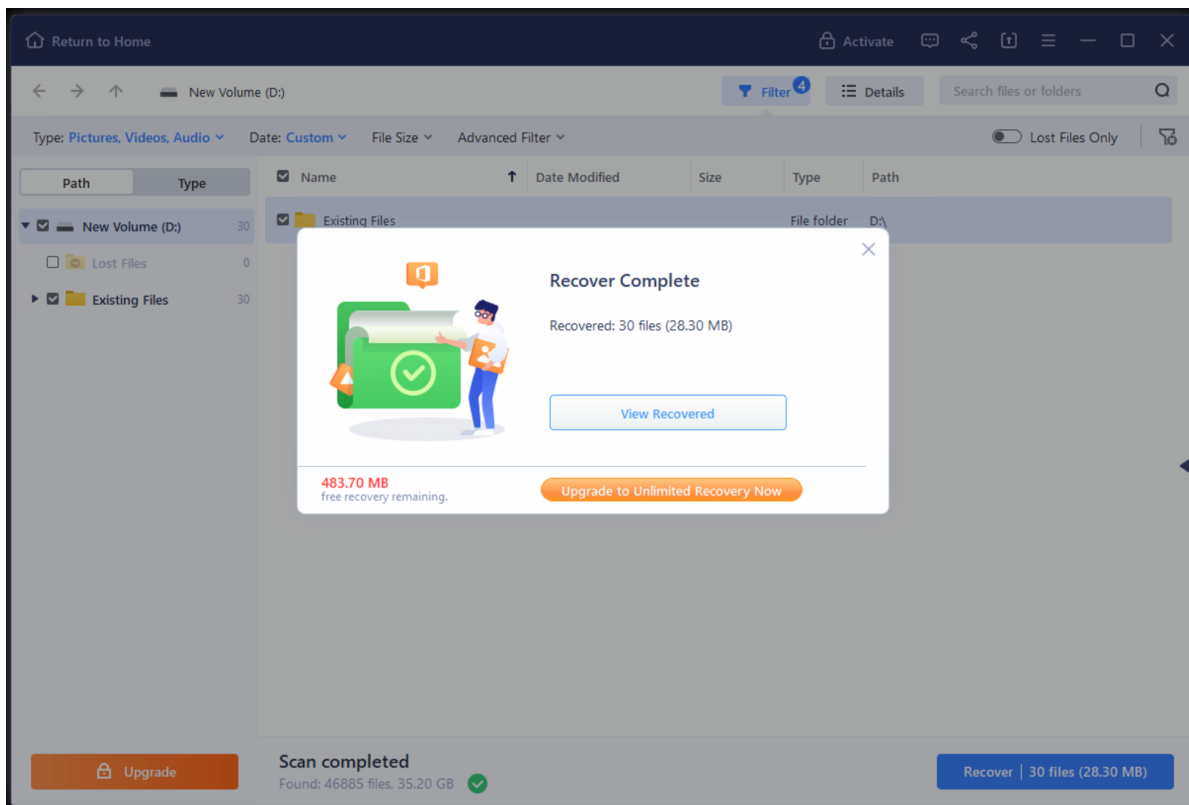
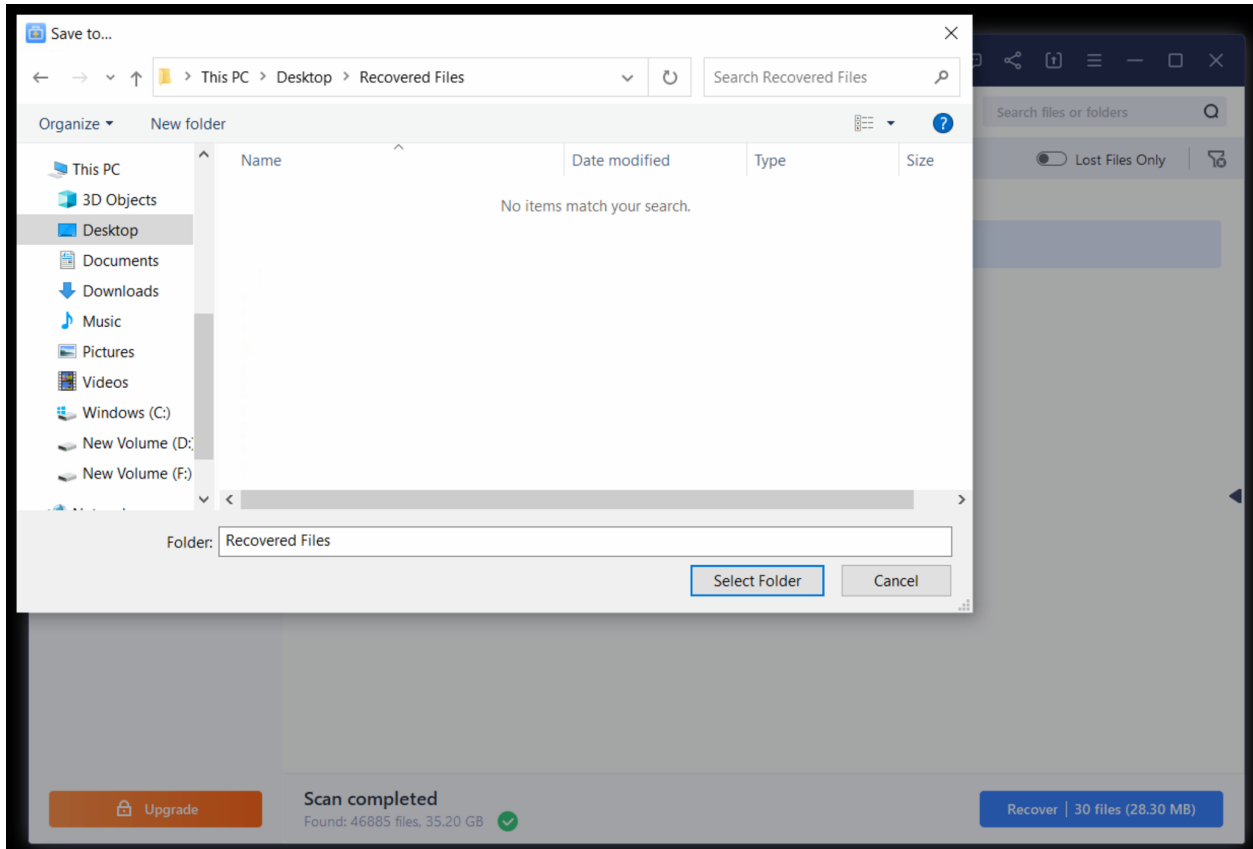


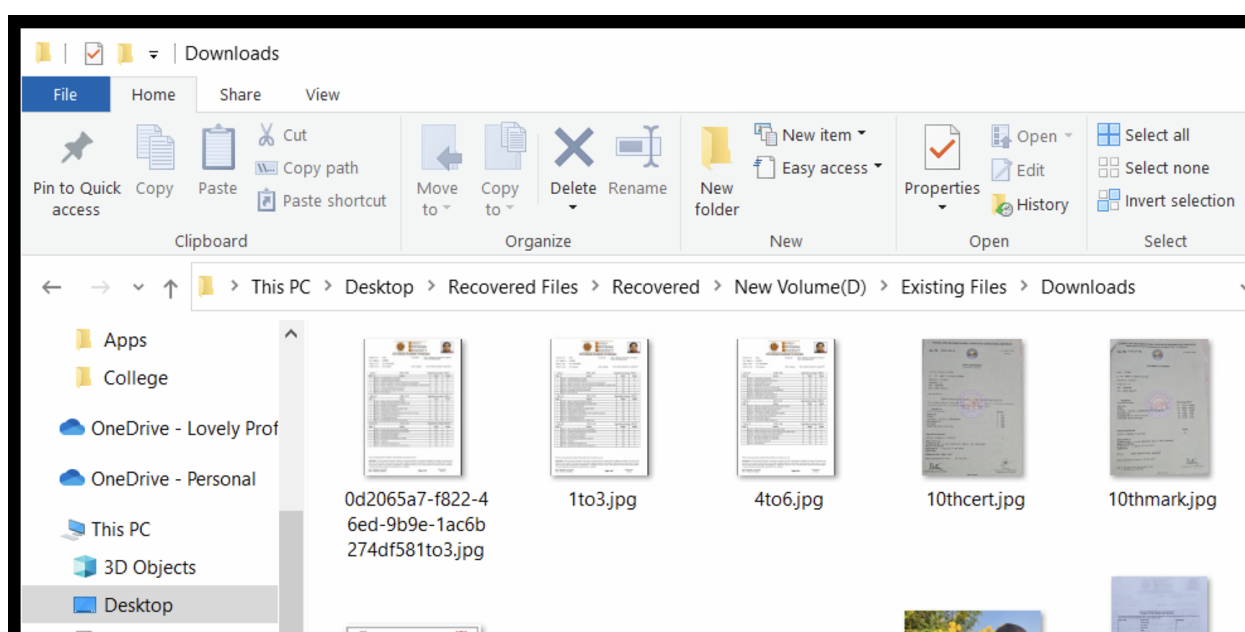
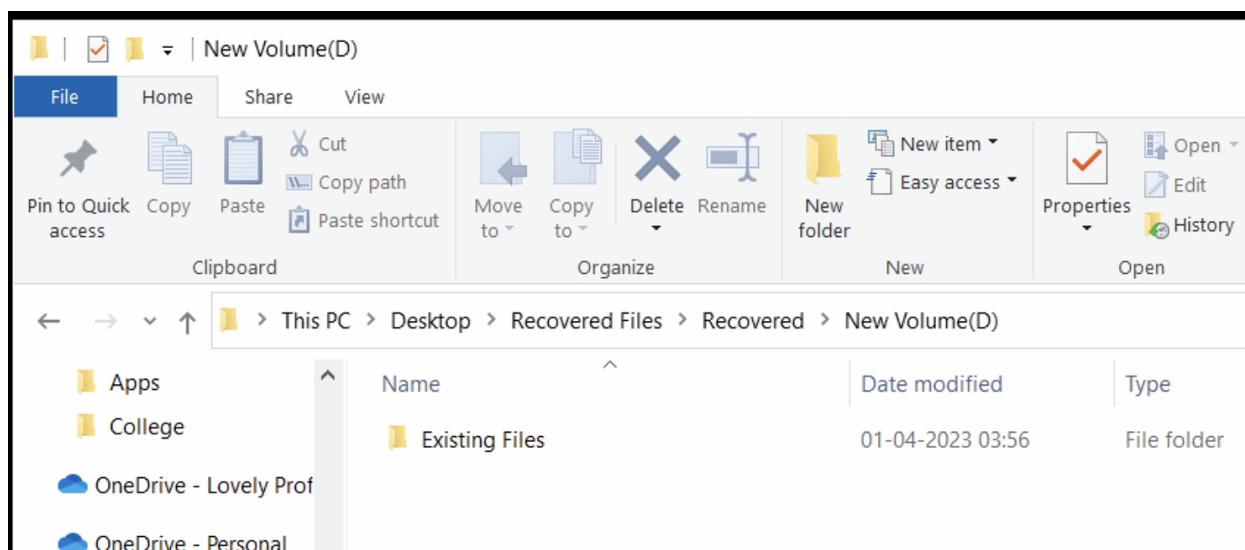
Once the software is installed, we can go ahead and select one of the drives shown in the interface. The demonstration uses ‘New Volume(D:)’ to run a full scan.



Once the scan is fully completed, we can go ahead and apply the necessary filters, like setting the Date to display files from the last 3 months, and File Type to display only multimedia files.







Once the recovery process is completed, a new folder will be created with all the recovered files at the destination folder we chose earlier. And we can verify that all the partly/fully erased or damaged multimedia files in the last 3 months have been recovered.

4. Reference/ Bibliography

None needed for this report.