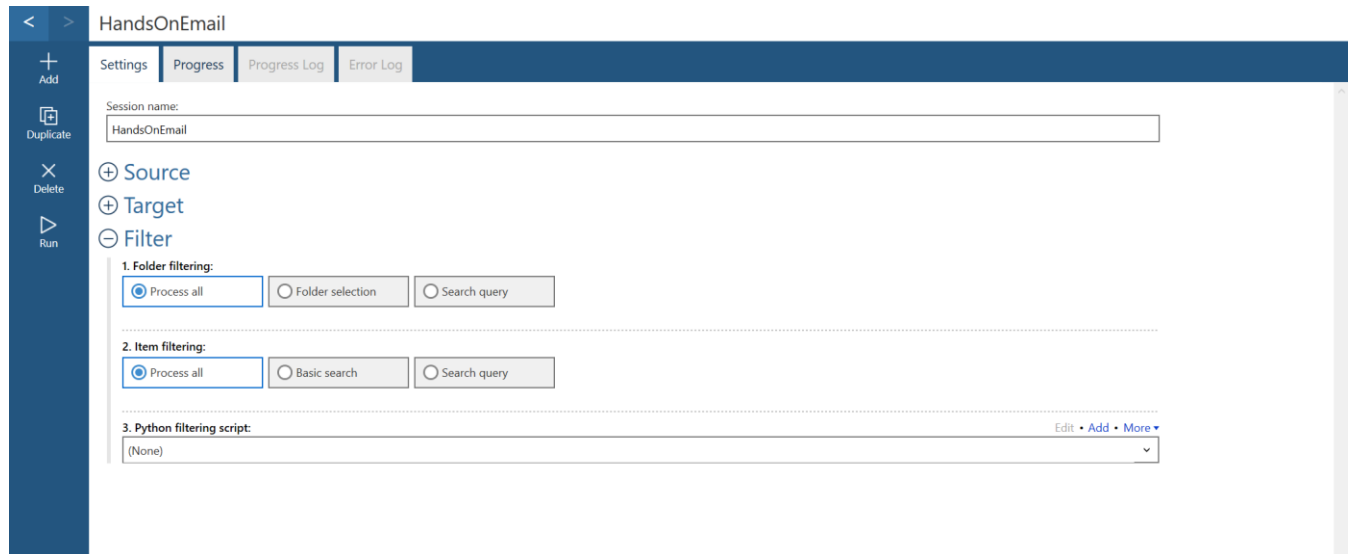


Hands-On Projects

- The beginning process of this lab starts by downloading Aid4Mail and creating the work folder in which the files are going to be stored. The Aid4Mail software is used to collect, search, and migrate mail.

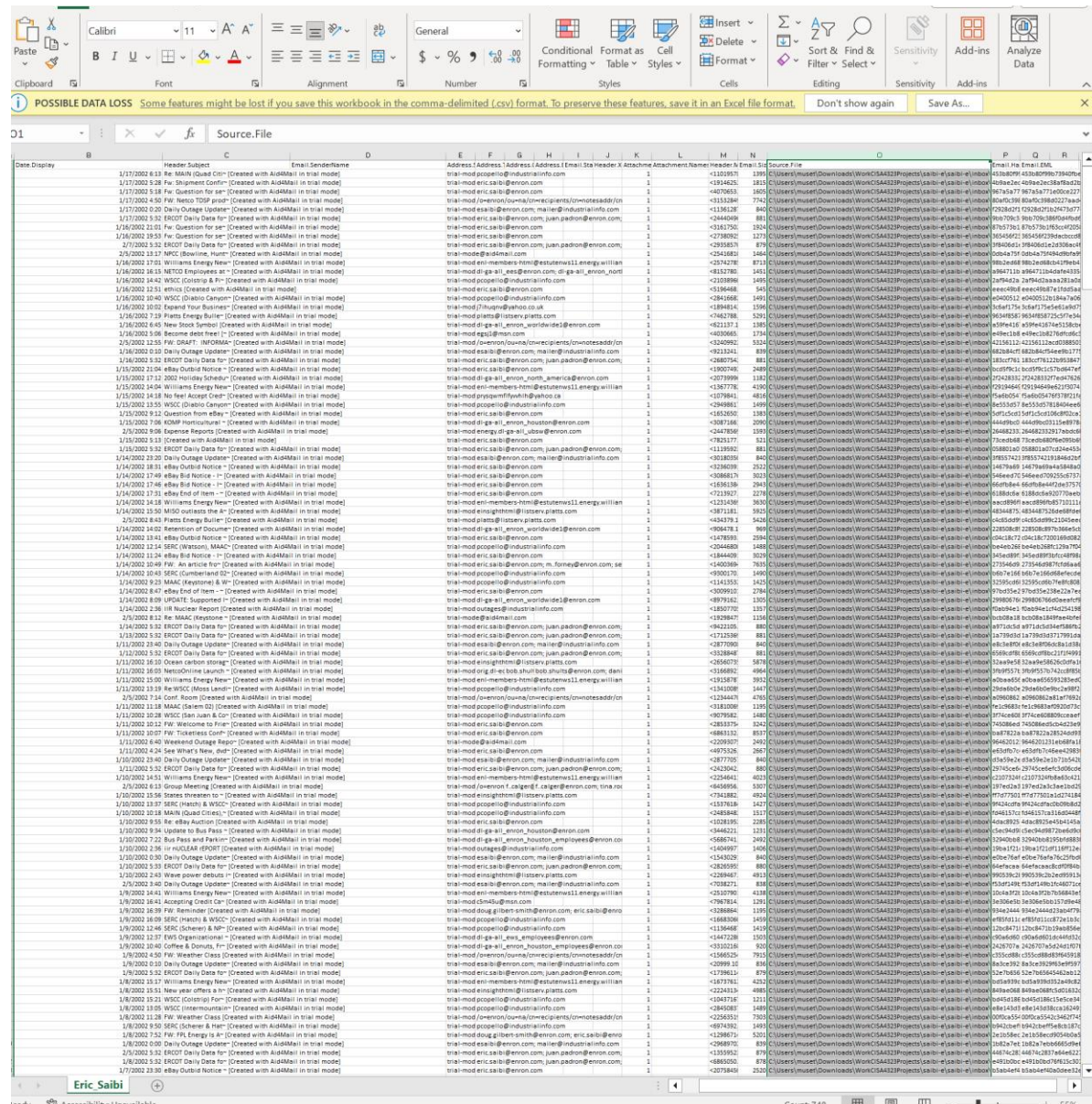


- After successfully completing all the steps and initiating the conversion to CSV file in my downloads, I was able to open Excel file that contained unique information stored within each email.

Clipboard Organize New Open Select					
→ This PC > Downloads >					
Search Downloads					
Name	Date modified	Type	Size		
0a666da590936504c24db12a17d51d5a	11/15/2023 9:06 PM	E-mail Message	11 KB		
0a9b99e82eb9bb9b370048298efe3fa2	11/15/2023 9:06 PM	E-mail Message	16 KB		
0ad90554095ca6cdfd553e1719ef3495	11/15/2023 9:06 PM	E-mail Message	2 KB		
0afad91e937e0166cb987284bc69d7e1	11/15/2023 9:06 PM	E-mail Message	10 KB		
0b17c56d8bd5477d8c99209de75f7577	11/15/2023 9:06 PM	E-mail Message	5 KB		
0b104b2f531991191ce74fe7e8b014a4	11/15/2023 9:06 PM	E-mail Message	1 KB		
0c1091a79c9a49aac338164205135e2b	11/15/2023 9:06 PM	E-mail Message	3 KB		
0d68c165d947a36115e4f98f574810c	11/15/2023 9:06 PM	E-mail Message	1 KB		
0d8346c466e749e822a747144365d58d	11/15/2023 9:06 PM	E-mail Message	4 KB		
0db4a75f494d9bfa9932a99a1265d432	11/15/2023 9:06 PM	E-mail Message	2 KB		
0e8c5634a1ec90af53ffabf1733bf6eb	11/15/2023 9:06 PM	E-mail Message	2 KB		
0e202cf856cb73d8b0ce5106af713f93	11/15/2023 9:06 PM	E-mail Message	1 KB		
0e62208d36cd21f1a0b4333a4c4f74f	11/15/2023 9:06 PM	E-mail Message	4 KB		
0eb3cb7e6f3d7ef8e282d6c594c2b28c	11/15/2023 9:06 PM	E-mail Message	1 KB		
0ecd8296c525368ea7db650a9bdddd0ee	11/15/2023 9:06 PM	E-mail Message	2 KB		
0f637766c093ac598c453d4d4a208d7c	11/15/2023 9:06 PM	E-mail Message	2 KB		
01e0c0989625addc6633803b47ed83e9	11/15/2023 9:06 PM	E-mail Message	1 KB		
01e9561ced676f97098f09290a9ad737	11/15/2023 9:06 PM	E-mail Message	1 KB		
1a3e1aa7a7a6411e7e68fa082271ee58	11/15/2023 9:06 PM	E-mail Message	3 KB		
1a445f0e2cf1ca02e8a89cb1d05a1f2	11/15/2023 9:06 PM	E-mail Message	3 KB		
1a739d3d3717991da3afe21d2e2bc46f	11/15/2023 9:06 PM	E-mail Message	1 KB		
1a9377876f2d6356f32b70b8b6aa0e89	11/15/2023 9:06 PM	E-mail Message	2 KB		
1a9f5c3b5528b6521b4d00f384a43c36	11/15/2023 9:06 PM	E-mail Message	2 KB		
1b3f1cdb25603a11f1d25dfa53490a9d	11/15/2023 9:06 PM	E-mail Message	2 KB		
1b37b0b766f980858bb1bf40e55bbdea	11/15/2023 9:06 PM	E-mail Message	9 KB		
1b82a7ebb6665d9eb531c6475afdfced	11/15/2023 9:06 PM	E-mail Message	1 KB		
1bab9cf24b5ff48a6d38e0902e688623	11/15/2023 9:06 PM	E-mail Message	5 KB		
1c45eb8b4d2d25cdcd3d86539d500416f	11/15/2023 9:06 PM	E-mail Message	2 KB		
1c258f57c0779015c29c9a9a0e9c17a	11/15/2023 9:06 PM	E-mail Message	2 KB		
1c265696d3afbe51322f29db06b76c5	11/15/2023 9:06 PM	E-mail Message	5 KB		
1d5719652df15f1c26ec4db8cb252d5e	11/15/2023 9:06 PM	E-mail Message	1 KB		

- Within this excel file, I am exposed to tons of information within these email files, which will be used later to determine further information about the scandal investigation.

- As the contents within the Excel file were compressed, I went through each tab to make things more readable.



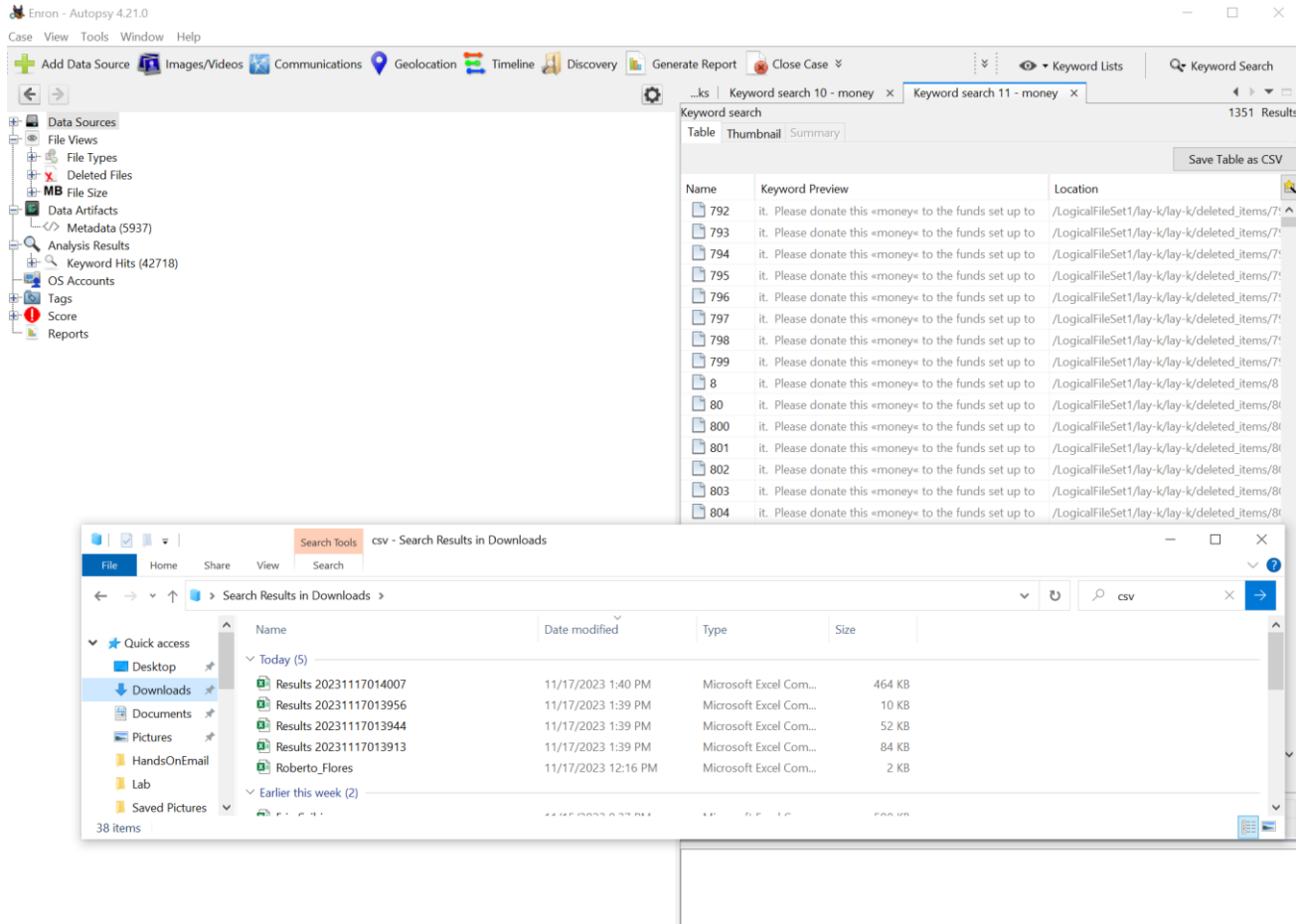
Export options in Aid4Mail- Go to the Aid4Mail Web site and read the user manual.

What can be done to make viewing data easier? Write a short paper describing the options. (250 words or less)

- The Aid4Mail Website, the help navigation section, is very useful in understanding how to successfully and accurately search email and conversion applications for use in digital forensics, eDiscovery, mail migration, and archiving. Within the filtration section, the guide explains its four features that will make the search process easier: folder filter, native filter, item filter, and Python filter script. Each feature is designated to filter through emails to make the navigating process easier, and after completing this lab, these features came in super handy when trying to find information regarding the case. Additionally, the search option on the top right to search keywords was also very helpful in this case; the keywords provided in the PDF helped me find a lot of information. I was also able to find other keywords to search for further regarding the case.

Hands-On Project Email Forensics-2

- The next section involved me having to use Autopsy to examine email information about the Enron scandal case.
- I made sure to update the Autopsy software to be able to I am able to use all features.
- After successfully going through the steps, I was able to export the different Excel files from the keywords within the guide.



Research Kenneth Lay's role in the Enron scandal, and then examine his e-mails. What additional words would you add to the search terms? When you're finished, exit Autopsy for Windows.

- These were additional keywords I found useful: funds, bankruptcy, debt, hide, Wall Street, Houston, records, quarter and shares.

Write a small report describing your results. What evidence did you find about Kenneth Lay's part in the Enron case? What's your assessment of using Autopsy to examine e-mail? (250 words or less)

- After the news broke out about the case, emails were sent to Kenneth regarding their concerns about what happened to the company, as if it were a surprise that some were never informed about the misinformation about the stock decisions. Overall, the company too many seemed to be a top and successful company when, in fact, it was having financial problems.
- Jeff McMahon was appointed as CFO to restore investor confidence due to the changes that were being made. At this point, the rumors seem to have become true due to all these changes happening with the company, such as layoffs, bankruptcy, and takeovers.
- Talks were also done to discuss potential mergers to save the company.
- Kenneth admitted that his trading decisions disregarded the company's positions. Kenneth was also aware of the downfall of revenue within each quarter, which was the start of the rumors.
- Kenneth netted over \$100 million selling Enron stock while the company had officially declared bankruptcy. All employees were terminated, and health and retirement benefits were no longer an option
- Kenneth was urging employees to buy Enron stock as well to help the company's situation.
- Tons of emails from employees and shareholders were sent to Kenneth about the destruction of the company and the impact it has had on the company, and ultimately, the messages aren't the nicest. You would expect this type of message from people who have been in the company for some time and have accumulated tons of money for the company and their retirement plans, only to see it disappear. Additionally, emails from new employees were also sent due to the short notice of their time at Enron. These emails were only sent, and Keeneth was in the middle of an emergency situation.

- By using Autopsy to examine the emails, it made the process much easier to scan through all the information about the case. The features were a bug since the use of filtration will slim down the results in finding real-life information about the situation. Since this is an email inbox, there was a ton of information regarding the business way before the rumors started. Additionally, I was able to export the emails into a CSV file with the results from one specific keyword. Furthermore, I also went through the suspicious item filter to crack down on relevant data to the case, I was able to find good information in there as well. Ultimately, this tool is very helpful as a forensics investigator, and took a lot of helpful information in learning to operate this tool. I look forward to coming back later and using this tool more often to obtain new skills.