

## **LoPe™ Overview**

LoPe is an indispensable tool for high-volume extraction of email and attachments from PST files in a forensically correct manner.

It is fairly easy (for those with appropriate skills) to open a PST file on a non networked computer and view the contents. However, this is neither good forensic practice nor does it display all the information about an email. Another common method is to use forensic tools that attempt to open all PST files in one big session and allow searching and exporting from within that session. Unfortunately, workstation memory limitations make this not a very practical solution to scenarios where more than a handful of PSTs need to be processed.

Confronted with these problems, we decided that the best way was to write our own tool that works in the following way:

- Store all the PSTs to be processed in a directory that suits you. PSTs can be in multiple nested directories.
- Create a directory where you want the exported data to be stored
- Point LoPe at the directory containing the source PSTs
- Point LoPe at the chosen output directory (it's easy with the LoPe wizard)
- Specify the output format (XML, MSG or EML) and how attachments are handled
- Press OK and let LoPe take it from there

LoPe will use the output directory as a starting point and recreate the directory structure found in each PST, producing a hierarchical structure that directly represents the source of extracted folders, messages and attachments.

## **LoPe Assistant™**

### **OVERVIEW**

- LoPe is the engine that extracts data from PSTs (and, in due course, other email file formats)
- **LoPe Assistant** is the utility that provides the environment to perform searching, filtering, categorization and export/printing of data produced by LoPe

LoPe Assistant® Compliments the forensic extraction of messages from PST files using LoPe by providing comprehensive indexing, searching, filtering, tagging and exporting functionality

*Imagine:* A disclosure order requires you to identify all email messages containing any one or combination of 10 keywords from the mailboxes of 20 employees for the last 6 months and then send the resultant data to a supervising solicitor who will

review it. You have a total of 80 PST files to review and have used LoPe to batch extract all the messages, a process that took less than 2 hours!

Now you need to perform the keyword search and identify all the relevant email messages.

### **Introducing LoPe Assistant;**

*Indexing:* Using the intuitive interface, you point LoPe Assistant at the root of your LoPe export folder containing all the extracted messages and LoPe Assistant indexes every word in every message and attachment.

*Searching:* You then enter the keywords you want to find, including full Boolean phrasing, and LoPe Assistant instantly displays the results, allowing you to browse the messages and attachments using a view which is very familiar to all email users. Should you want to see the complete technical detail for a particular message, you simply click the DETAIL button.

*Tagging:* Your search turns up thousands of messages containing keywords. Some of them are relevant and you want to produce them but some are not relevant and can be safely ignored. No Problem. LoPe Assistant allows you to TAG messages as being NORMAL, IMPORTANT, PRIVATE, PRIVILEGED or PRODUCE.

*Filtering:* Now, of course, you need the ability to view all messages that have a certain tag associated with them. No problem: LoPe Assistant allows you to FILTER the view of the results based on the tag value assigned to a message. This allows you to review your results much more easily before you produce them for the lawyers.

*Exporting:* Having completed your part of the email analysis process, you need to present your results to the lawyers in a way that makes it easy for them to review. Again, LoPe Assistant makes this easy. Messages and their associated attachments matching your tag values or search criteria can be exported, together with their MD5 hash values, to an export location of your choice. The exported data can be cut to a CD or DVD for easy distribution. But it gets better...

**LoPe Viewer:** When all you want to do is present the results for review, without the need for further analysis, we provide you with a simple re-distributable viewer that looks and feels like LoPe Assistant but without the advanced functions, ideal for presenting your results.

### **Summary of LoPe Assistant's key features:**

- Comprehensive analysis functions
- Maintains evidential continuity
- Multiple keyword Searching
- Powerful Boolean operators
- Full TAGGING and FILTERING features
- Selective EXPORT capabilities



- Free re-distributable viewer only version
- Perfect for Disclosure/Discovery orders
- Forensically sound - full audit trail reporting