# The Path To

# **A Forensically Sound Collection**

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Many people erroneously assume that a forensic image is the only way to have a forensically sound collection that will stand up to scrutiny in court. Not only is that untrue, but it can lead to costly overcollection of electronically stored data (ESI).









- 1 Use a tool specifically engineered to collect ESI it will ensure that the collection is defensible.
- Connect to the sources that are relevant.
- 3 Filter the data so that you only get what you need, no more no less.

Select folders rather than drives

DeNIST, dedupe, and use date-range filters to reduce the data set of non-responisve ESI

Once Data is collected, the data needs to be preserved in a forensically sound container in order to maintain defensibility. To be defensible the container must have the following:

- 1) Be read only so that the data cannot
- be spoliated

All collected data

must be pristine

of all collections

actions

- Data unchanged by the collection process to preserve potential evidence
- Restored file and system metadata as it was pre-collection
- File & folder structure preserved as it was on the original source
- What was and wasn't collected and why Detailed audit logs

  - Who collected the data and when
  - The details about the source collected from
  - The Hash value of all files collected





Preserve the pristine container so that it can be produced if the data is ever challenged.

SECURE •

(2) If data needs to be further processed or reviewed simply ingest a copy of the container into your preferred litigation tool.

A forensically sound and defensible collection that you know will stand up to scrutiny.



## **GLOSSARY**

### **DEDUPE**

Remove files that are exact duplicates.

Remove files that are known non-discoverable file types like system files.

An alphanumeric value associated with a file or email that changes if the item is altered in any way. Used to prove that a file has not been altered in any way. There are different hashing methodologies: MD5, SHA1 or SHA 256.

(We use MD5)

### **FORENSIC IMAGE**

and slack space.

A complete copy of a hard drive that is forensically sound

and includes all data on the drive including unallocated

**FORENSICALLY SOUND** 

A method of collection that is defensible in court because you can prove the data has not been altered.

### **LIVE FILES**

Files that are available thru the operating system.

Attributes of a file or email such as date created, last modified, last accessed, etc.

**RESPONSIVE ESI** 

### Electronically stored information that is relevant to a

litigation matter or inquiry.

**SOURCE** 

Location of documents (OneDrive, DropBox, email, computers, network, remote laptops etc...)