ICA Learning: Investigations using Digital Forensics

By the end of the course, learners will be able to:

- Define digital forensics and electronic disclosure.
- Discuss practical uses of technology in these areas, with a particular focus on relevance for compliance investigations.
- Outline the processes and technology behind electronic disclosure.
- Discuss why digital data (and in particular how it is collected) is important.
- Explain what metadata is, and its importance.

Course format, certification and pricing

- 3 hours of learning material
- MCQ knowledge check with Certificate of Completion
- £200 - volume discounts available

Demo of Introduction to Investigations using Digital Forensics & eDisclosure / eDiscovery

Welcome

About the author

About the training

Objectives and outcomes

Course syllabus

Glossary of terms

Objectives and outcomes

Learning objectives

We have highlighted the main course objectives to give you an expectation of what you will learn from this course. However, each individual student will extract their own personal learning depending upon previous knowledge and experience, and their own reasons for taking the course.

1 To facilitate a deeper understanding of what is meant by digital forensics.

2 A deeper understanding of eDisclosure / eDiscovery.

Learning outcomes

To help you set specific goals we have identified a number of

Overview

- Risks & benefits
- Investigations & compliance
- The volume of digital data
- Preservation of digital data
- The importance of preserving digital data correctly
- What is digital forensics?
- What is Electronic Disclosure/Discovery?
- History and background

1. Digital Forensics

- What is metadata?
- Preservation
- Imaging
- Data collection best practice
- Investigation
- Interpretation

2. Digital Forensics in Practice

- Recovery of deleted data
- Volume shadow copies & backup data
- User actions
- File manipulation
- Email manipulation

3. Introduction to Electronic Disclosure / Discovery

- Custodians
- The Electronic Discovery Reference Model (EDRM)
- Datascoping
- Features of processing
- Extraction
- Text indexing of OCR
- Deduplication of files
- Deduplication of emails
- Types of deduplication
- Families & deduplication
- Searching & review

4. Further techniques in Electronic Disclosure / Discovery

- Reducing crime using Advanced Data Techniques: Artificial Intelligence, Machine Learning, Deep Learning
- Technology outpaces regulatory response
- Self-regulation by innovators
- Regulatory response

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Preservation of digital data

Because many specific questions that arise during an investigation may have their answer in electronic data, it is important to make sure that the relevant electronic information is preserved.

In many jurisdictions, if litigation (or criminal prosecution) is reasonably contemplated, then it is a requirement that any documents that may become disclosable to the opposing party must be preserved. This also includes discontinuing any deletion or rotation policies which would in the normal course of business lead to such documents being lost.

This can be important to internal investigations because the fact that an internal investigation has begun could be considered an indication that litigation or criminal prosecution is already contemplated.

The preservation of data is key in any type of investigation, whether subsequent litigation is anticipated or not. At best, failure to preserve data could make an investigation more complex; at worst, it can result in serious consequences.

What if the investigation leads to litigatio

Course syllabus

Introduction

You can proceed through the sections in this course at your own pace and your progress will automatically be bookmarked. Each unit can be revisited whenever you choose.

An Introduction to Investigations using Digital Forensics & eDisclosure / eDiscovery

1 Welcome and training overview.

ICA INTERNATIONAL COMPLIANCE ASSOCIATION