

## Course Aim

This course is designed to provide an investigator with the knowledge and skills to effectively locate, acquire and use online information as part of a criminal or civil investigation and how to ensure it is admissible in court or internal proceedings.

## Objectives

After attending the course the participant will be able to:

- ◆ Summarise the history and topology of the Internet
- ◆ Understand and differentiate between types of IP addresses
- ◆ Describe the function and operation of internet utilities such as WWW, Social Networking, Newsgroups, Chat and Instant Messaging
- ◆ Resolve and describe how domain names are allocated
- ◆ Interpret web server logs and HTML code of web pages
- ◆ Locate and interpret E-mail headers and summarise anonymous services
- ◆ Carry out online investigations in line with UK legislation and Human Rights considerations.
- ◆ Identify online services available to assist investigations
- ◆ Acquire different types of online information meeting evidential standards
- ◆ Evaluate online information to establish integrity and reliability
- ◆ Effectively utilise WebCase™ as an evidence capture tool

*Note: Delegates should expect to undertake a certain amount of preparatory work for this course which will depend on the exact requirements of each client. Much of the course is hands-on and those who do not use a computer on a regular basis may not fully benefit. Delegates attending this course will undertake skills and knowledge checks. Certificates will be supplied to those who successfully complete the course.*

## Who should attend

This course is designed specifically for all investigators who use the Internet to gather information for use in their work and therefore need to understand the methodologies, risks and dangers of such activity.

## Course Details

This course is designed as a single course of 3 to 5 days. The training location will be determined in consultation with the client and therefore cost on a per student or group basis are available upon application. Software licences are available and may be included in the course cost subject to client requirement.

## Trainers

*James Stark designed and developed the first and only Covert Internet Investigations course for the UK police service. He has delivered training in the UK, Europe, Africa, the Middle East and Asia and has an excellent reputation as a trainer in this country and abroad.*

*James was also a member of the Skills for Justice Team that developed the UK National Occupational Standards for Countering E-Crime. He has produced this course in response to demands from colleagues who wish to comply or align their practices with mainstream law enforcement requirements.*

All elements of training have been developed to conform to the National Occupational Standards for Countering E-Crime. ([www.skillsforjustice.co.uk](http://www.skillsforjustice.co.uk)). A broader outline of all areas covered in this training is described overleaf.

# TRAINING OUTLINE – Acquiring Online Information

This course will cover the following subjects in sufficient detail for the student to be able to undertake the described activities with a full understanding of the methodologies, risks and dangers to them and others.

## Introduction to the Internet and its applications

- History and topology of the Internet
- Understanding IP addressing

## World Wide Web

- Allocation and resolution of IP Addresses and Domain Names
- Interpreting HTML code and server logs

## E-mail

- How E-mail works
- Interpreting E-mail headers
- Anonymous Services

## Online Groups and Social Networking

- Understanding and using newsgroups
- Social networking concepts

## Real Time Chat

- IRC, Instant Messaging and Web Chat

## Lawful online investigations

- UK and European legislation relevant to online investigations
- Human Rights considerations
- Risk assessment methodologies

## Online Resources

- Free & subscription services
- Categories of information
- Utilising Advanced Search functions

## Capturing and Evaluating Online Information

- Capturing online information in line with evidential standards
- Evaluating the integrity of online information

## WebCase™ Online Forensic Tool

- Using WebCase™ during online investigations
- Preservation of online evidence
- WebCase™ exercise

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