Advanced Open Source Intelligence Gathering

By

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Course Description

This course focuses on the investigators ability to gather information on people, groups or companies from the Internet. Rather than just using 'advanced' Google searches and other web sites we will be leveraging the tools available to look 'under the surface' of the internet, building data scrapers for the likes of Twitter, Facebook and others, 'dark net' data collection methods and other areas rarely taught.

The 4-day course is completely hands-on and will teach a range of skills from staying anonymous, setting up false online identities, extracting data without using a 'web site', collating the data using Maltego and graphing and visualizing data both historical and in real-time.

We have seeded the Internet with the false identities of subjects that we will be investigating on the course. The final exam will pit your new skills against the online world as you work to discover all you can about a person, their friends and what they are planning to do!

Other Open Source courses are available, but not like this.

The course includes Maltego Case File, 2 week license for Maltego Classic, 3 months international VPN access, a 16 Gig USB 3 drive, a large number of software tools and full colour course manual.

Course Goals

1. To equip the student with the skills to carry out highly advanced techniques of searching the Internet whilst remaining anonymous.

2. To enable the student to be familiar with specialist software tools and understand the results.

3. The introduce little known online resources.

4. For the student to understand and practically apply data scraping techniques.

5. To understand how to search for 'Internet of Things' devices

6. To enjoy a 'hands-on' course throughout the 4 days

Course Content

Preparing the right mindset

Legal restrictions

Creating the right toolkit

      Encryption of data

      Understanding the dangers of system caches

      Using Virtual Machines

Preventing the leaking of our own data

Visual data gathering from images and videos

      Solar shadow analysis

Bouncing anonymously round the world – Proxies and VPN's

Setting up your own false identities

Learn Maltego Classic visualization fundementals

Graphing trends and seeing the future

Advanced mapping techniques

Web site and Internet Network mapping and detailed information gathering

Finding and analyzing data relationships

Doing bad things with Google

      Finding Documents and meta data extraction

Using your skills to understand your own vulnerabilities

Building searches to find IoT devices

Finding online control systems

Finding cameras/printers and other resources

Find devices that REALLY shouldn't be public!

Understanding and exploiting email

Getting under the hood of Social Media

Building data scrapers

Twitter tools and techniques

Facebook hints and tips

LinkedIn

In depth, real world practical's to test the skills you have learned

Requirements

The student should have a basic understanding of Open Source Intelligence gathering and be comfortable with online researching.

Cost

Total cost - £1850 + VAT including manual, software and USB key. Lunches and snacks also included.