KOENIG
step forward

KOENIG SOLUTIONS · COURSE OUTLINE

OSINT: Dark Web Harvesting & AI-Driven Analysis

Learn to gather, analyse and report open-source intelligence, including dark web harvesting and AI-driven analysis techniques.

4 Days	4	27
32 HOURS	MODULES	TOPICS

Break: 1 hour. 15 minutes/day; Session: 6 hours. 45 minutes/day

COURSE OVERVIEW

This course covers open-source intelligence methodologies and frameworks, including how attackers and defenders use OSINT, gathering techniques and available tools. It then addresses OSINT data collection, analysis and reporting, covering sock puppets, advanced and reverse searching, and people, employee and website OSINT. It proceeds to harvesting data from the dark web using the TOR browser, darknet entry points, private communication, encryption and cryptocurrencies. It concludes with the use of AI in OSINT, including automated data collection, natural language processing, image and video analysis, and social media monitoring.

WHO THIS COURSE IS FOR

Anyone that wants to learn OSINT, hackers, security professionals, investigators, people interested in security

TOOLS AND REQUIREMENTS

- Courseware - Reference material/ppt will be provided.
- Tools used - Cylect.io, Jupyter notebook

LEARNING OBJECTIVES

- Understand Open-Source Intelligence (OSINT) methods, including AI applications, for gathering digital information
- Learn practical OSINT techniques for data collection, analysis, and reporting, leveraging AI tools
- Explore advanced OSINT topics like dark web data harvesting and AI-driven analysis for threat detection

COURSE SYLLABUS

4 Modules, 27 Topics

01

Open-Source Intelligence Methodologies and Frameworks

TOPICS

- Introduction to OSINT
- How Attackers and Defenders Use OSINT
- OSINT Gathering Techniques
- **Artificial Intelligence:** The Future of OSINT?
- OSINT Tools
- Open-Source Investigation Best Practices
- Imperva Application Protection Powered by Threat Intelligence

02

OSINT Data Collection, Analysis, and Reporting

TOPICS

Reporting · Sock puppets · Data Collection · Advance Searching · Reverse Searching · Employee and Employer Searching · People Searching · Website OSINT

03

Harvesting Data from the Dark Web

TOPICS

- TOR Browser
- Accessing Darknet - Entry points
- Communicate privately and anonymously - using Email
- Communicate privately and anonymously - Instant Messaging
- File Management and File Sharing
- Encryption
- Cryptocurrencies

04

Use of AI in OSINT

TOPICS

Introduction to AI in OSINT · Automated Data Collection · Natural Language Processing (NLP) in OSINT · Image and Video Analysis · Social Media Monitoring with AI

NOTES

- Gain skills in applying AI-powered OSINT methods to gather and analyze digital data effectively.
- Develop proficiency in using AI-driven tools for OSINT tasks, enhancing investigative capabilities.
- Acquire knowledge to identify and mitigate cyber threats through AI-enhanced OSINT practices.

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training | Live Online Classes (ILO) | Fly-Me-A-Trainer (FMAT) | Flexi (Self-Paced) | 1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

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