



Description

Open-source intelligence (OSINT) involves methods and processes used to extract specific information from vast data-rich open-source networks. This program instructs attendees on methods to gather and evaluate data from a myriad of available resources. Participants will additionally gain insights into data acquisition from the Darknet, social media, and various other sources.

OSINT

Module 1: The Internet

This module explores networking basics, including internet structure, OSI and TCP/IP models, and network devices. It covers network protocols, proxy layers, VPNs, DNS leakage testing, and understanding domains and organizations. It culminates in learning about information extraction and conducting an organization's reconnaissance.

Networking

The Internet Structure

The OSI Model

The TCP/IP Model

Network Devices

Network Protocols

Virtual Private Network (VPN)

DNS Leakage Testing

Domains and Organizations

Extracting Details

Reconnaissance of an Organization

Module 2: OSINT

This module provides an overview of Open-Source Intelligence (OSINT), offering instructions on creating an OSINT plan and organizing data. It introduces various OSINT tools, explores techniques for extracting information from social networks, and emphasizes understanding metadata in common files and websites. Finally, it surveys different types of OSINT sources.

Introduction to OSINT

Building OSINT Plan

Categorizing and Cataloging Information

Organizing and Formatting Data

OSINT Tools

Online Tools and Frameworks

Extracting from Social Networks

Searching for Information

Dive into Metadata

Common Files Metadata

Web Sites Metadata

Types of OSINT Sources

Module 3: The DarkNet

This module introduces the Darknet, its relation to internet layers, and the contrast between the surface and deep web. It guides you through TOR installation and configuration, exploring Darknet search engines, and managing security concerns. The course also includes locating and establishing hidden services and analyzing Darknet databases.

Darknet Overview

Understanding Global Internet Layers

Surface Web and Deep Web

Installing and Configuration TOR

Darknet Search Engines

Installation and Security Concerns

Find Hidden Services

Creating Hidden Services

Analyzing Databases from the Darknet

Module 4: Automations

This module delves into automated OSINT, beginning with an understanding of crawler operations, and then provides guidance on creating crawlers for URLs and the Darknet. It further explores the realm of Bitcoin and digital wallets, discusses the validation process for leaked databases, and concludes with a section dedicated to the analysis of metadata.

Automated OSINT

How Crawlers Operate

Creating URLs Crawlers

Creating Darknet Crawlers

Bitcoin and Wallets

Validating Leaked Databases

Analyzing Metadata