

SEC587

ADVANCED OPEN-SOURCE INTELLIGENCE (OSINT) GATHERING AND ANALYSIS

In today's digital age, Open-Source Intelligence (OSINT) drives most major investigations, with data becoming increasingly complex to collect, process, and analyze. SEC587 explores advanced topics focused on equipping investigators with the necessary skills, tools, and techniques to effectively gather, analyze, and utilize information at scale.

OSINT drives 80-90% of intelligence activities for law enforcement in the West*, but with global data expected to hit 175 zettabytes by 2025, scalable and automated tools like those taught in SEC587 are critical to stay ahead.**

*Source: Journal of Knowledge, Culture and Communication; **Source: IDC

Fall 2024 Update

The latest update introduces significant advancements in OSINT methodologies, including deep dives into Russian and Chinese OSINT, cryptocurrency tracking, and cutting-edge AI applications for audio analysis. It features entirely new hands-on labs, leveraging the latest tools to enhance capabilities in areas such as dark web investigations, gaming platforms, and wireless intelligence, ensuring practitioners are equipped to tackle modern intelligence challenges effectively.

NEW CONTENT



- Learn to use Russian facial recognition platforms for identifying individuals on VK and tracing foreign ties to U.S. businesses.
- Overcome challenges accessing Chinese platforms with +86 phone numbers and geo-restriction bypassing methods.
- Explore investigative opportunities in gaming platforms with a lab focused on Discord intelligence.
- Trace blockchain transactions, including ties to state-sponsored actors such as North Korea.
- New content and labs on detecting modern drones like DJI 4 and other wireless signals.

UPDATED FEATURES



- Expanded Day 3 content, including Gaming OSINT and AI audio analysis.
- Advanced audio forensics, including speaker diarization and recognition, now integrated into practical labs.
- All-new Python for OSINT full-day training to enhance automation capabilities.
- Refreshed advanced enumeration labs to access password-protected files.
- Cutting-edge techniques to detect hidden files and communications.

LAB REFRESH



- Two new hands-on labs focused on uncovering intelligence in Russian systems.
- Hands-on lab for accessing and navigating Chinese-only websites.
- New lab demonstrating the end-to-end process of audio fingerprinting.
- All-new lab on cryptocurrency tracking and blockchain analysis.
- Wireless signal detection, including modern drones.

"SEC587 empowers students with cutting-edge skills to navigate the vast and ever-evolving landscape of open-source intelligence." - SEC587 course author Matt Edmondson