

International workshop on conducting criminal investigations of ransomware attacks MOTIVATE

EUROPEAN UNION AGENCY FOR LAW ENFORCEMENT TRAINING

CEPOL Cybercrime Academy

Specialised law enforcement training centre (HU)

- Opened in June 2019 in Budapest
- Capacity to host up to 85 participants
- Main cooperation partners:
 - EUROPOL, Interpol, ECTEG, EJTN, CoE, ENISA
- Excellent facilities to train ever growing demand for cyber training form EU
 & beyond





EU STNA 2022-2025

Relevance rate of subtopics from prioritised main topics

Main topic	Subtopic	Relevance
	Open-Source Intelligence (OSINT)	80 %
	Mobile devices for investigation	78 %
	Cyberattacks (Ransomware, DDOS, Botnets)	78 %
	Encryption, Anonymization techniques (VPN, Spoof calls,	77 %
	Sim boxes)	
	Software/tools developed to identify darkweb crimes	75 %
	Darknet, what is darkweb, how to use darkweb	74 %
	Digital fingerprints and metadata to identify persons and	74 %
	devices	
	Raw data analysis	72 %
Digital investigations	Big data analysis, e.g. prediction of criminal behaviour	71 %
	with big data analysis	
	Analysis techniques/tools for many types of data	
	(normalization, correlation, and fusion) including	70 %
	technical data from different domains	
	Information technology as a knowledge management	65 %
	enabler	05 %
	Cloud platforms	64 %
	Use of Artificial Intelligence, including AI risks towards	
	fundamental rights, especially on face recognition	63 %
	systems	
	Internet of Things	63 %
	Lawful interception	62 %



Ransomware and Cryptocurrencies

The 'Wannacry' ransomware attack

The attack has hit more than 200,000 victims in at least 150 countries, says Europol





Stages of a ransomware attack



Investigative techniques

Follow the digital traces

Follow the money







Main areas of training





2022 Onsite Courses

- Open Source Intelligence (OSINT) and IT solutions (3 courses)
- Darkweb and cryptocurrencies (2 courses, basic and advanced)
- Cross Border exchange of Electronic Evidence
- Conducting Forensic searches in various IT devices
- Advanced Windows File System Forensics
- Digital Forensic Investigators Training
- First responders and cyber forensics
- Cyber-Intelligence
- Malware Investigation
- Live Data Forensics
- Mac Forensics
- Linux Forensics
- Strategies in Managing Child Sex Offenders
- Undercover Operations (CSE)
- Victim ID (CSE)
- Combating card fraud



Digital Forensics/ Cybercrime Investigations

CSE

Non-cash means of payment

Online training materials available in Leed

Cyber-related Crime Subcategories

Dashboard / Cyber-related Crime Subcategories



cess to

New courses in 2023

- Ransomware investigations
- Decryption
- Mobile Forensics
- TOTs (Live Data Forensics, OSINT)



CEPOL EXTERNAL EXPERTS ON CYBERCRIME

Thematic area	Number of experts	
CSA/CSE	35	
NCMP	36	
Cyber attacks	58	
AI	19	
Total	148 expert	



Thank you for your attention! ionut.stoica@cepol.europa.eu

European Union Agency for Law Enforcement Training Offices: H-1066 Budapest, Ó utca 27., Hungary • Correspondence: H-1903 Budapest, Pf. 314, Hungary Telephone: +36 1 803 8030 • Fax: +36 1 803 8032 • E-mail: info@cepol.europa.eu • www.cepol.europa.eu

