CALL FOR PARTICIPANTS

Online Training "A003 - Unlock the capacities of a Cyber Range for Network and Computer Forensics"

ADVANCE LEVEL

Organized by the Cyber-MAR project

Thursday 03rd February, 2022
9:45 – 13:15 (CET)
Friday 04th February, 2022
9:45 – 13:15 (CET) (replication)

Background

One of the objectives of Cyber-MAR is to cover the training needs for all professionals (cyber-security/IT experts but also non-IT-expert personnel of ports, shipping operators and linked entities influenced by possible cascading effects) and most importantly also to raise the cyber-threat awareness level within those organizations by hands-on training.

The courses will be available at different levels of complexity (entry, intermediate, advance) in order to attract trainees with various levels of experience.

The advanced training provides users with the required skills to be able to manipulate the cyber range, and create realistic scenarios that allow them to provide much needed information to decision-makers. Intermediate view about OT security.

Objectives

The objective is to provide learners with an understanding of the interest of using a cyber range for forensics use, use the dedicated CR features, create a topology for computer and forensics use, use the topology to conduct a forensics operation on a Cyber-MAR Scenario.

Student learning outcomes

The participants will develop knowledge and skills necessary to apply the principles of:

- Application of techniques for detecting host and network-based intrusions using intrusion detection technologies

- Knowledge of incident response and handling methodologies

- Knowledge of packet-level analysis

- Collect intrusion artifacts (e.g., source code, malware, Trojans) and use discovered data to enable mitigation of potential cyber defense incidents within the enterprise

- Preserve evidence integrity according to standard operating procedures or national standards

- Recognize and categorize types of vulnerabilities and associated attacks

- What constitutes a network attack and a network attack's relationship to both threats and vulnerabilities

- An organization's threat environment

Target groups

IT or cyber security interested people, with a good first knowledge or experience of the IT and networks fundamentals.

Eligibility

Good knowledge of TCP/IP networking protocol, routing, switching fundamentals, proficiency with IT systems and networks administration.

Only trainees that have successfully passed an online pre-enrollment quiz will be admitted to the training. The pre-enrollment quiz will be on 27th January at 15:00 (CET) (time approx. 30'). Further details on this quiz will be given to prospective students.

The maximum number of trainees per session is 10

Participation to Theoretical A002 "Introduction to computer and network forensics" is recommended

Duration
3 hours

Costs

No fees

Other information

Training programme will be delivered by prominent experts, in **English** language.

Learners could be asked to install some open source software in their laptops for trying out tools in the practical activities. More information on this will be provided to accepted participants before the start of the training.

Participation is attested by the release of an "attendance certificate" for training under H2020 projects, equivalent to 1 ECTS if combined with the other Cyber-MAR training already held or upcoming in the next months; Attendance Certificates will be sent to participants February÷April 2022.
No ECTS credits are awarded for this training.

Please fill in all fields under penalty of exclusion

Deadline

The application form must be submitted online before **26th January 2022, 12:00 (CET).**

To ensure effective training with an in-depth approach and practical exercises, the number of selected participants will be limited (up to approximately 10 per replica session) therefore the participants will be selected based on the eligibility prerequisites above indicated (in case of tie of prerequisite test score, the priority will be based on the chronological order of arrivals).