



24-26 SEPTEMBER 2024

Cyber Range Pentester Tools



www.cstcoe.mil.pl/en/





EUROPEAN SECURITY AND DEFENCE COLLEGE

And

CYBER SECURITY TRAINING CENTRE OF EXCELLENCE, WARSAW, POLAND

(Eksperckie Centrum Szkolenia Cyberbezpieczeństwa)

Invitation to the course:

“Cyber Range – Pentester Tools”

(Activity number 24-25/213/1)

24 – 26 September 2024

The Cyber Security Training Centre of Excellence (CST CoE) under the auspices of the European Security and Defence College (ESDC) is organising the residential course, specialized at tactical-technical levels, from 24 to 26 September 2024 in Warsaw, Poland.

Newly emerged, rapidly developing and massively striking cyber threats have impacted all the business areas and domains having their processes supported by Information and Communication Technologies (ICTs). Vulnerabilities of IT solutions leaves the gates of organizations widely open for cyber criminals who are looking forward to get an access to the IT resources, seize sensitive information, disrupt services or obtain unauthorised rights. Consequently, due to high risk and considerable damages, cyber security and its assurance has been recognized as a pivotal objective and one of the corner stones for modern world stability.

In response to these circumstances, the European Union has been actively working on creating adequate, flexible and coherent cyber security environment, which covers not only political and legal frameworks but also capabilities development including education and training programmes.

Addressing capability development within the respective EU bodies and authorities against cyber threats indicates the need to spread and improve knowledge regarding vulnerabilities to the information and IT resources. Collective efforts of the Cyber Security Training Centre of Excellence (Eksperckie Centrum Szkolenia Cyberbezpieczeństwa - ECSC, Warsaw, Poland) and the European Security and Defence College has resulted in a Cyber Range – Pentester Tools course that is now offered to the EU community as a part of ESDC's Cyber Education Training Exercise and Evaluation (ETEE) platform.

The overall goal of this course is to deliver and enhance participants' knowledge as well as practical skills on identifying potential vulnerabilities and how penetration testing contributes to improving cyber security. The course will be held in English and will consist of both lectures and practical exercises.



The course will be run on the Cyber Range training platform which delivers unique opportunities for reflecting IT infrastructure and complex scenarios including conducting cyber-attacks in dedicated virtual environment that could be compared with “live fire” experience.

Participants should be technical personnel (mid-ranking officials, engineers and technicians) from the Member States and the EU Institutions Bodies and Agencies dealing with technical aspects of cyber security. Due to the technical nature of this course, in order to benefit the most from the training, it is recommended that candidates had a good knowledge of principles of network operation and its configuration aspects and are familiar with Linux operating system including usage of terminal tool.

The course is scheduled to take place from the **24 to 26 September 2024 in residential form in Warsaw, Poland.**

Paweł DZIUBA

Director of CST CoE

Signed by / Podpisano przez:

Paweł Cezary Dziuba

Date / Data: 2024-05-29
14:18



Annexes

1. Course administrative instructions
2. Draft programme
3. Venue « Cyber Security Training Centre of Excellence, Warsaw”
4. Additional personal information required to enter military facility

Fergal O REGAN

Acting Head of the ESDC



Annex 1

Course administrative instructions

The course is suitable to technical personnel (*mid-ranking officials, engineers and technicians*) dealing with cyber security. It will be held in English and can accommodate up to 12 participants (civilian and military) staff from EU Member States, relevant EU institutions and agencies. **It is recommended that candidates had a good knowledge of principles of network operation and its configuration aspects and were familiar with Linux operating system including usage of terminal tool (good knowledge of command line interface).**

Applications from the EU Member States and institutions are to be filled out by the national ENLIST nominators via the ESDC secure registration system via the following link <https://esdc.europa.eu/enlist/login>, **no later than 23rd August 2024**.

A list of relevant ENLIST nominators can be retrieved from the ESDC website at <https://esdc.europa.eu/nominators/>.

The course will consist of two mandatory parts. **Online part** (asynchronous) will be delivered through ESDC's e-learning platform while **live part** (*residential*), containing lectures and exercises in lab environment, is to be held at Cyber Security Training Centre of Excellence facilities in Warsaw.

The e-learning part will be available for those who will be selected as of 2nd September 2024.

All international travel, transportation, accommodation costs during the course are to be covered by the sending authorities. It is recommended that participants arrive at Warsaw Airport on Monday, 23rd September, 2024. Participants should arrange their own travel and accommodation. We suggest choosing the Polonia Palace hotel, from which the training organizer provides a shuttle transport to the course venue. Reservations should be made by 9th September, using the password sent by the course organizer. No-cost cancellation will be possible up to 7 days before arrival. Further information will be sent to participants after registration.

The dress code is business attire for both civilians and military personnel.

Supporting services:

- All administrative information, programmes and material will be made available to accepted participants through the ESDC's e-learning platform (ILIAS LMS).



Course points of contact

PoC at the European Security and Defence College:

Mr Evangelos ENGLEZAKIS

Training Manager (Cyber) ESDC

Tel: +32 2 584 45 52, mobile: +32 460 84 08 96

E-mail: evangelos.inglezakis@eeas.europa.eu

PoC at the Cyber Security Training Centre of Excellence, Warsaw, Poland:

Lt Col Przemysław PLESZKUN,

Head of Department of Domestic and Foreign Cooperation

Tel: +48 261 855 590, mobile: +48 727 040 803

E-mail: p.pleszkun@ron.mil.pl



Annex 2

European Security and Defence College (ESDC)

“Cyber Range – Pentester Tools”

(24-25/213/1)

DRAFT PROGRAMME

24 September – 26 September 2024– Residential form

**Cyber Security Training Centre of Excellence (CST CoE),
Warsaw, Poland**

(Eksperckie Centrum Szkolenia Cyberbezpieczeństwa, Warszawa, Polska)

Course Venue:

ul. gen. Sylwestra Kaliskiego 2
00-908 Warszawa 46

Director of CST CoE

Mr. Paweł DZIUBA

Course Director

COL Michał Majewski

Training Manager at the European Security and Defence College (ESDC)

**Training Manager for Cyber issues and for the Cyber ETEE Platform
Evangelos ENGLEZAKIS**

PoC at CST CoE

Lt Col Przemysław PLESZKUN



DAY 1	Tuesday, 24 September 2024 (CEST)
08:30 – 09:00	<i>Registration</i> <i>Welcome coffee</i>
09:00 – 10:00	Welcome address and course opening: <ul style="list-style-type: none">• Cyber Security Training Centre of Excellence (CSTCoE), Warsaw• European Security and Defence College (ESDC), Brussels• Informal Tour-de-Table - introduction of instructors and participants
10:00 – 10:45	Introductory session - presenting Cyber Range environment.
10:45 – 11:00	<i>Coffee break</i>
11:00 – 11:45	SESSION 1 - Information gathering, trusted sources for knowledge on IT vulnerabilities and security gaps. <i>Keywords: CVE, Exploits</i>
11:45 – 14:00	SESSION 2 - Cyber reconnaissance and intelligence - dedicated tools for vulnerabilities discovery and identification <i>Keywords: Linux, Nmap, Recon, FPing</i>
14:00 – 14:15	Wrap-up and closing remarks
14:15 – 14:30	<i>Group photo.</i>
14:30 – 15:30	<i>Lunch break</i>
15:30	<i>Transportation to the hotel</i>



DAY 2	Wednesday, 25 September 2024 (CEST)
09:15 – 09:30	<i>Welcome coffee</i>
09:15 – 10:45	SESSION 3 - Hands-on classes in Cyber Range environment: Pentester tools in network discovery and host enumeration <i>Scenario 1</i> <i>Keywords: Linux, Nmap, Recon, FPing</i>
10:45 – 11:00	<i>Coffee break</i>
11:00 – 12:45	SESSION 4 - Hands-on classes in Cyber Range environment: possible access ways discovery and vulnerability identification <i>Scenario 1</i> <i>Keywords: Linux, Exploit, CVE, Nmap</i>
12:45 – 13:00	<i>Coffee break</i>
13:00 – 14: 50	SESSION 5 - Hands-on classes in Cyber Range environment: dedicated tools for examining hosts vulnerabilities <i>Scenario 1</i> <i>Keywords: Linux, Network</i>
14:50 – 15:00	Wrap-up and closing remarks
15:00 – 16:00	<i>Lunch break</i>
16:00	<i>Transportation to the hotel</i>



DAY 3	Thursday, 26 September 2024 (CEST)
08:45 – 09:15	<i>Welcome coffee</i>
09:15 – 10:30	SESSION 6 - Hands-on classes in Cyber Range environment: complex scenario for network reconnaissance <i>Scenario 2</i> <i>Keywords: Linux, Nmap, Recon,</i>
10:30 – 10:45	<i>Coffee break</i>
10:45 – 12:00	SESSION 7 - Hands-on classes in Cyber Range environment: complex scenario for vulnerability findings <i>Scenario 2</i> <i>Keywords: Linux, Exploits, CVE, Databases</i>
12:00 – 13:10	SESSION 8 - Hands-on classes in Cyber Range environment: complex scenario for penetration and exploitation <i>Scenario 2</i> <i>Keywords: Linux, Exploit, Penetration Test</i>
13:10 – 13:55	SESSION 9 - Security Information and Event Management: network traffic analysis and participants' activities/achievements evaluation collected from scenario 2 <i>Keywords: Network Traffic, Monitoring, SIEM</i>
13:55 – 14:20	Summary
14:20 – 14:40	Certificate Ceremony
14:40 – 15:00	<i>Closing Remarks - End of the Course</i>
15:00 – 16:00	<i>Lunch break</i>
16:00	<i>Transportation to the hotel/airport</i>

Place of the course: Cyber Security Training Centre of Excellence



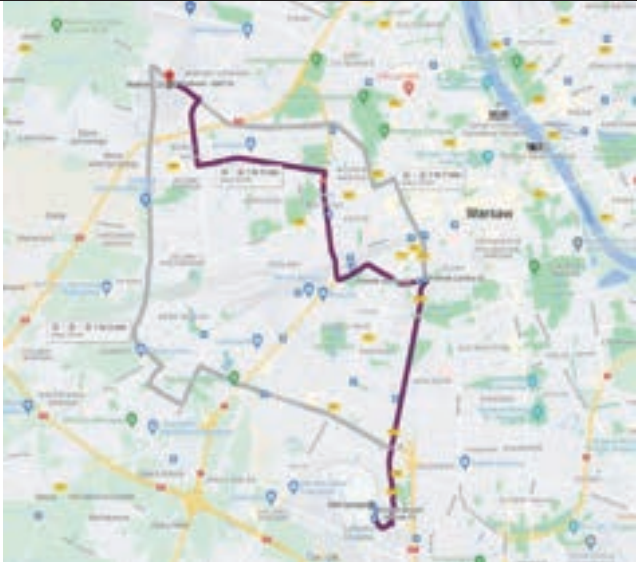



Adress: Kaliskiego 2 (entrance from Radiowa, gate No. 4, building WAT 65)

00-908 Warsaw, Poland

Phone: + 48 22 261 83 79 90 / **Mail:** cstcoe@mon.gov.pl / <https://cstcoe.mil.pl/en>

In case of any changes to the organisation of the course, CST CoE will send an appropriate notification to enrolled individuals.

Information on the proposed hotel from which shuttle service will be provided will be communicated at a later date to those who qualify for the course.

Driving direction	Access route
<p>1. From the Warsaw Chopin Airport to the CST CoE</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p>Active link</p>	
<p>2. From the Masovian Warsaw-Modlin Airport to the CST CoE</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p>Active link</p>	



Link to public transport in Warsaw: [how can I get to](#)





Annex 4

Additional personal information required to enter military facility

Please be informed, that due to national security regulations, in order to get an access to Cyber Security Training Centre of Excellence facilities, additional personal information is required. Therefore, all qualified for this course candidates will be kindly requested to provide below information not later than **5th September 2024** (deadline due to procedures connected with issuance of an access permission).

Complete set of information should be sent via email to PoCs at Cyber Security Training Centre of Excellence listed in Annex 1.

- name, second name (if applicable) and surname
- nationality
- organization/company
- job title
- course name
- date of birth
- ID type (national ID/passport) and number
- military rank (if applicable)
- security clearance (if applicable) - please indicate information domain (national, EU/UE, NATO) and security level

Please bear in mind that any delays or lack of the above information might result with a risk regarding access to the venue of the course.