



EU CyberSecurity challenge

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European Union Agency for Network and Information Security



ENISA CERT training

- ENISA CERT training and exercise material was introduced in 2008, from 2012 till now it was complemented with new scenarios containing essential material for success in the CERT community and in the field of information security.
- At the moment there are over 36 different training scenarios and counting

http://www.enisa.europa.eu/activities/cert/training/

Training Courses



Training Resources



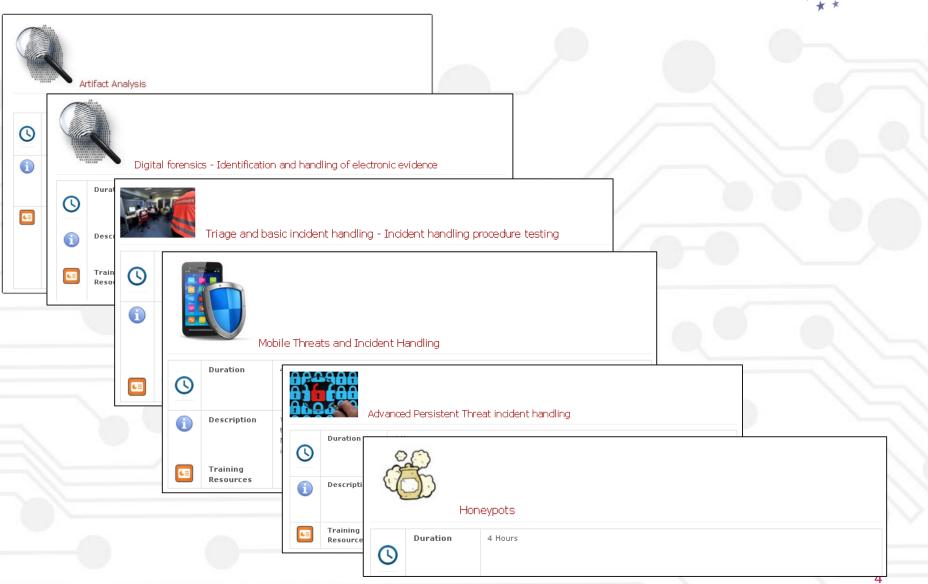
ENISA CERT training scenarios

Торі	ics	
	 Building artifact handling and analysis environment Processing and storing artifacts Artifact analysis fundamentals Advanced artifact handling Developing Countermeasures Common framework for artifact analysis activities Using indicators to enhance defence capabilities Identification and handling of electronic evidence Digital forensics Mobile threats incident handling Proactive incident detection Automation in incident handling 	Setting Up a CERT
:	 Network forensics Honeypots Vulnerability handling Presenting, correlating and filtering various feeds 	Legal and Cooperation • Establishing external contacts • Cooperation with law enforcement • Assessing and Testing Communication Channels with CERTs and all their stakehold • Identifying and handling cyber-crime traces • Identifying and cooperation during phishing campaign • Cooperation in the Area of cybercrime • CERT participation in incident handling related to the Article 13a obligations • CERT participation in incident handling related to the Article 4 obligations
Operational	 Incident handling during an attack on Critical Information Advanced Persistent Threat incident handling Social networks used as an attack vector for targeted atta Writing Security Advisories Cost of ICT incident Incident handling in live role playing Incident handling in the cloud Large scale incident handling 	

http://www.enisa.europa.eu/activities/cert/training/training-resources

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ENISA CERT training courses



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http://www.enisa.europa.eu/activities/cert/training/courses

Intro to CTF

Capture the flag (CTFs):

CTFs are competitions which combine many Information Security topics into small measurable exercises.

The answers submitted by the participants are called **flags**.

Each flag yields a particular number of points. Most of the times a flag looks like: e48e13207341b6bffb7fb1622282247b ctf{flag_hash_goes_here}

Short term goals:

- Get as many flags as possible (Solve as many challenges as possible.
- Win prizes 🙂

Long term goals:

- Learn new skills.
- Improve and refresh your current skills on the topic.
- Develop team work and collaboration abilities.

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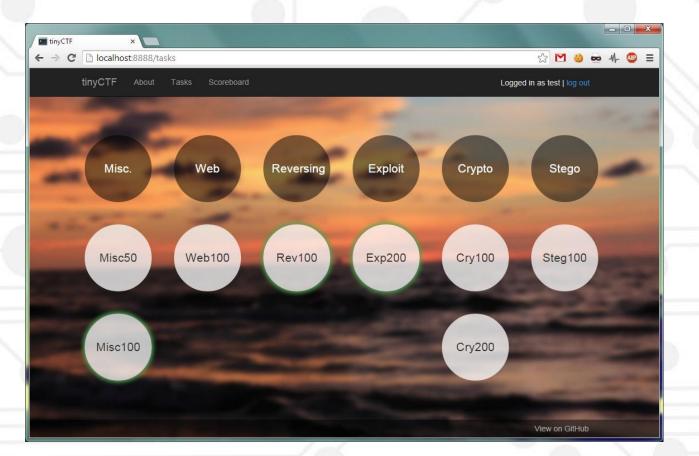
CAPTURE THE FLAG

PRESS SPACE TO START PRESS I FOR INSRCUCTIONS

CTF challenges

TinyCTF platform:

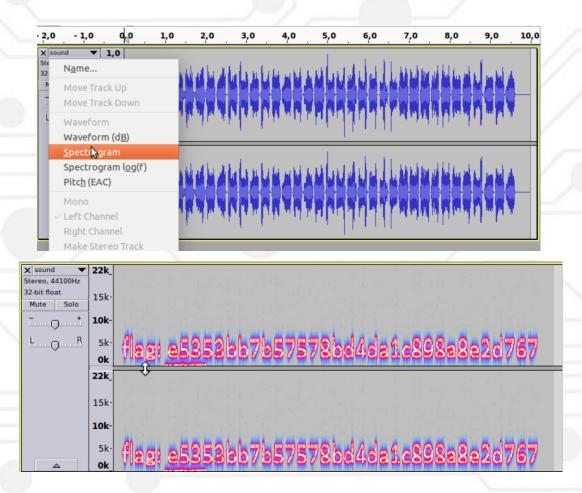




Example of a stego challenge

You have one file.wav and you have to find the flag:





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European Cyber Security Challenge





Objectives & goals:

- Nowadays there is a shortage of IT Security protessionals
- The ECSC is trying to address this gap by organizing a CTF (capture the flag) competition for young cyber talents and for encourage them to pursue a career in cyber security
- An important aspect of the competition is the Pan-European participation.
- The top cyber talents from each country meet to network and collaborate and finally compete against each other to determine which country has the best cyber talents.

Scope:

- Teams from EU member states can participate.
- The participants are from 14 30 years old
- The participants are not subject matter experts (They don't have special security certifications CEH,OCSP, CISSP, GIAC etc).

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European Cyber Security Challenge

- ENISA is facilitating the preparations & organization of the ECSC.
- In 2015 there are 6 countries participating: UK, DE, AT, ES, RO, CH
- In each participating country the national competition is taking place.
- The finalists from national competitions will participate in the final competition that will take place in October 21./22., KKL Lucerne, Switzerland

National competitions: http://www.verbotengut.at/ http://www.cybersecuritychallenge.de http://www.cybersecuritychallenge.ro https://cybercamp.es/ http://challenge.swisscyberstorm.com http://cybersecuritychallenge.org.uk/ Main event: http://www.europeancybersecuritychallenge.org.

http://www.europeancybersecuritychallenge.eu/















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