

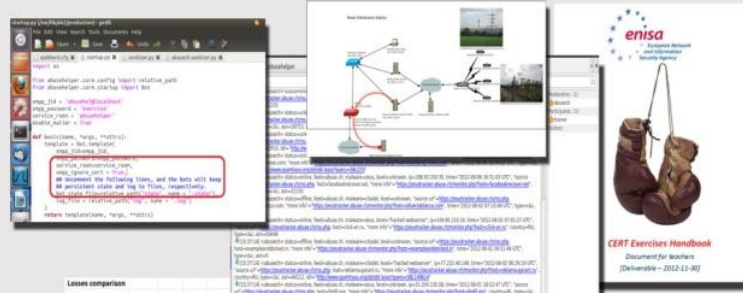


Technical trainings for CERTs



Supporting the CERT community

ENISA Annual CERT workshops focus on national and governmental CERTs preparedness and response capabilities



FIRST – to improve CERT capabilities



New Exercise material 2012
 - Technical trainings for CERTs
 - Handbook for teachers
 - Toolset for students
 - SW ready to use from our website:
www.enisa.europa.eu/activities/cert/support



TRANSITS framework: support the basic and advanced training courses for CERTs

Cross-communities Support

INTERPOL Atomic exercise 2012



ENISA-EUROPOL joint workshop: "Addressing NIS aspects of cybercrime"

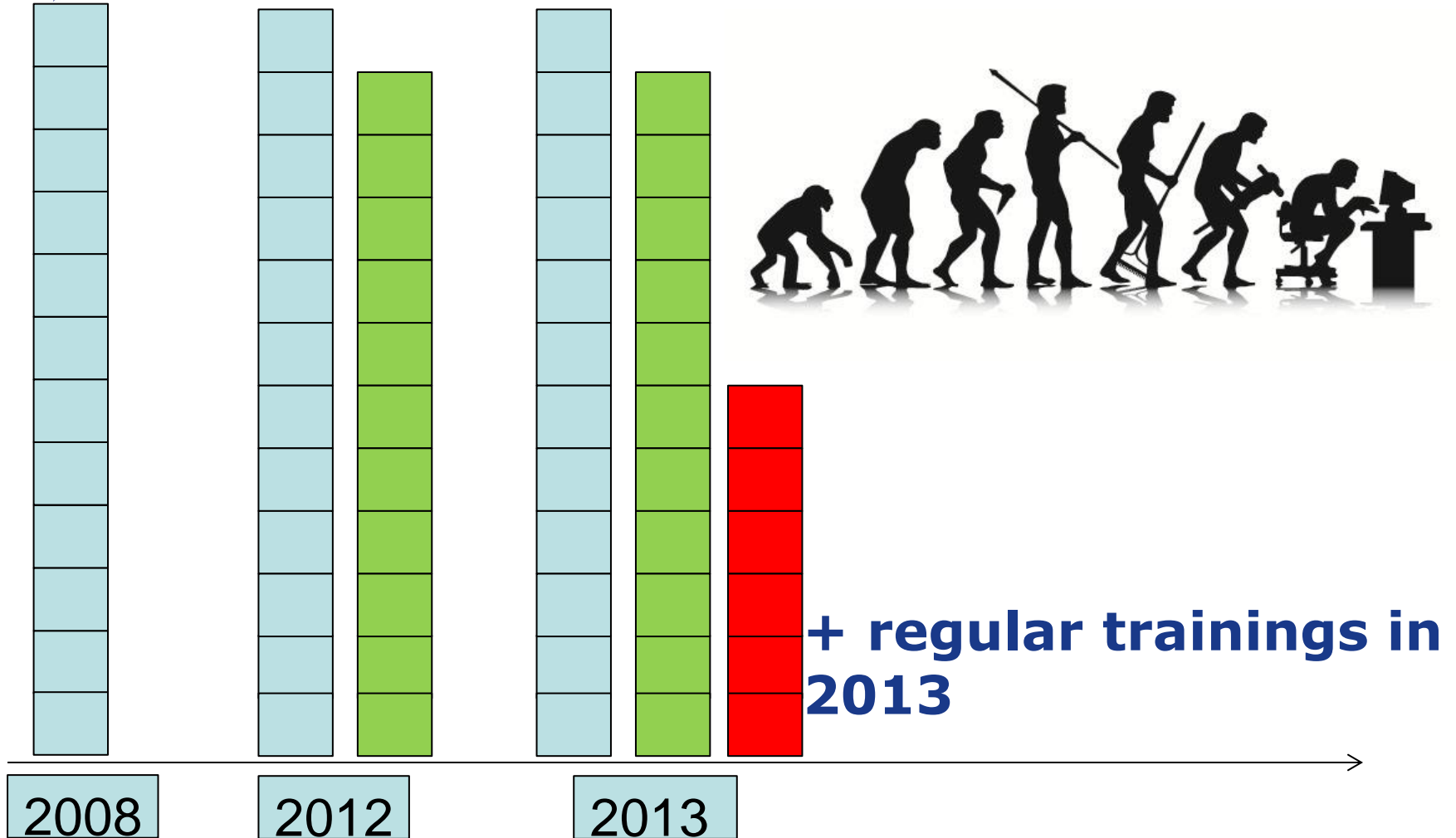


EU FI-ISAC exercise for CERTs, LEA and banks



CEPOL courses: (operational security unit supports cyber workshops for police)

ENISA CERT training





Content regularly updated and renewed with the help of community

- The creation process of material involves community
- The target audiences feedback will lead to better material




Material available on website



NOTE: There are two virtual images, first one that supports exercises 1-22 and second that supports Honeypot exercise. The .pcap file supports the exercise number 19. Additionally Internet Explorer renames files with .ova extension to .tar. You will need to change the extension back before loading it into virtualisation environment.

ENISA CERT training material contains 23 exercises:

No.	Exercise title	Handbook	Toolset	Virtual Image	Other material supporting the exercise
1	Triage & basic incident handling	Download	Download	 Download	Online version of Exercise 1
2	Incident handling procedure testing	Download	Download		Online version of Exercise 2
3	Recruitment of CERT staff	Download	Download		Online version of Exercise 3
4	Developing CERT infrastructure	Download	Download		Online version of Exercise 4

<https://www.enisa.europa.eu/activities/cert/support/exercise>

14. Exercise: Proactive incident detection

Main Objective	Setting up and working with AbuseHelper
Targeted Audience	Technical and management CERT staff

+ Visualising the feeds



Proactive Detection of Network Security Incidents



Proactive Detection of Security Incidents
Honeypots
2012-11-20



2011

2012

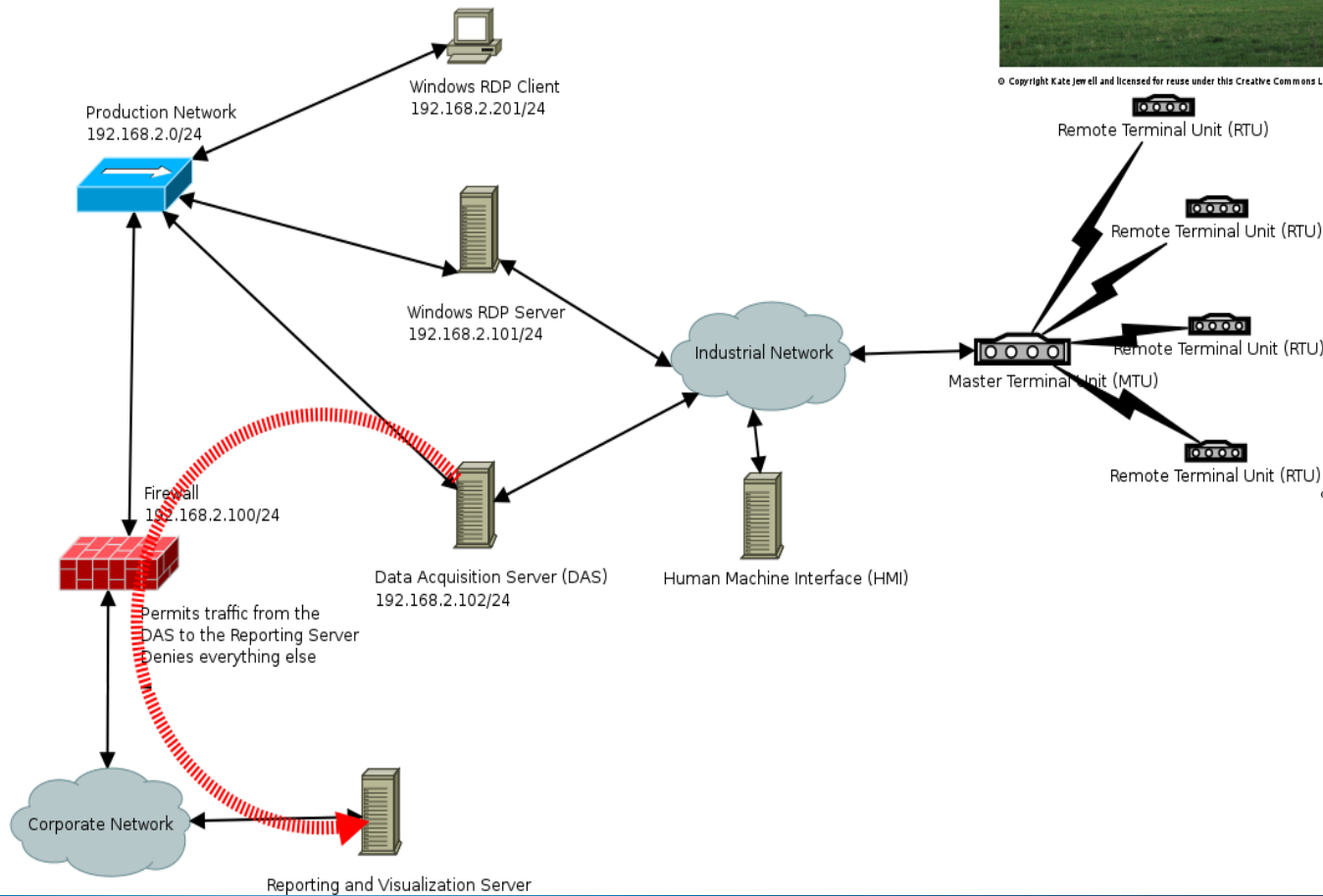
2013

Variety of trainings

- For a different levels of experience and expertise
 - Legal
 - Operational
 - Technical
 - Cooperation



Power Distribution Station



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```
trainee@exercise: ~  
trainee@exercise:~$ echo sms send +123456789 'TAN 123321' | nc localhost 5554  
Android Console: type 'help' for a list of commands  
OK  
OK  
trainee@exercise:~$
```

5554:ENISA-EXERCISE

9:43

Downloaded All On SD card **Running**

- Settings** 10MB
1 process and 0 services
- Trusteer Rapport** 3.9MB
1 process and 1 service 08:01
- Google Services** 8.3MB
1 process and 1 service 14:10
- Android keyboard** 5.2MB
1 process and 1 service 14:12

Navigation icons: Camera, Volume, Power, Call, Home, MENU, Back, Search

1	2@	3#	4\$	5%	6^	7&	8*	9(0)
Q	W	E	R	T	Y	U	I	O	P=
A	S	D	F	G	H	J	K	L	DEL
Home	Z	X	C	V	B	N	M	.	Back
ALT	SYM	@						/ ? ,	ALT



What is the file from the Remote file inclusion?

*(See in
/opt/glaspot/trunk/files/)*

50:50



**A: a SIP OPTIONS scanner
in PHP**

B: a malicious PDF

C: a PHP shell

D: a PHP photo album

New material presented in 2013

	Title	Experts
1	Digital forensics	12
2	Identifying and handling of electronic evidence	13
3	Identifying and handling cyber-crime traces	12
4	Incident handling and cooperation during phishing campaign	9
5	Presenting, correlating and filtering various feeds	6
6	Cooperation in the Area of Cybercrime	7



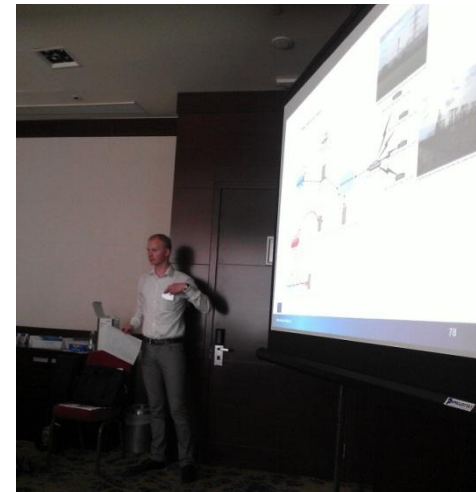
ENISA 8th annual workshop 'CERTs in Europe' - Part I





ENISA 8th annual workshop 'CERTs in Europe' - Part I

- 3 scenarios from ENISA CERT training/exercise material presented by ENISA trainers
 - Honeypots
 - Incident handling during an attack on Critical Information Infrastructure
 - Mobile threats incident handling
- Participants rated ENISA training with **4,4** out of **5** points



ENISA 8th annual workshop 'CERTs in Europe' - Part II

- 2 scenarios from ENISA CERT training/exercise material presented by ENISA trainers
 - **Presenting, correlating and filtering various feeds**
 - **Identifying and handling of electronic evidence**

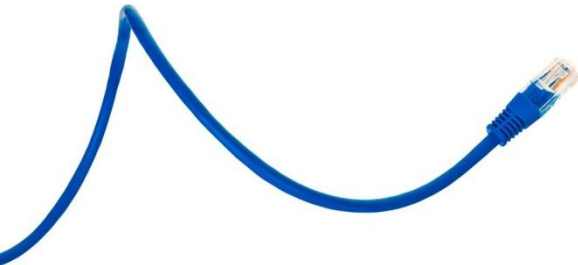


Recommendations

- Online training material, and handing out material for self-study is good, but...
- Talking with each other actually is useful
- People, who have created or worked together, tend to cooperate in the future
- Every training is a performance and every trainer is an actor

Methodology of ENISA training

- Trainers can come on-site
- Each training is tailored to fulfil the needs of this specific event and audience





Thank you for your attention!





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