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## References of training material updates #1

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Team CIRCL/NGSOTI



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## Contents

<b>1 References of training material updates #1</b>	<b>2</b>
1.1 Disclaimer . . . . .	2
1.2 Distribution and License . . . . .	2
1.3 Deliverable Definition . . . . .	2
1.4 Executive Summary . . . . .	2
<b>2 Training Material</b>	<b>2</b>
2.1 Incident Response . . . . .	2
2.2 Cryptography . . . . .	3
2.3 MISP . . . . .	3

## 1 References of training material updates #1

### 1.1 Disclaimer

Co-funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Cybersecurity Competence Centre. Neither the European Union nor the granting authority can be held responsible for them.

### 1.2 Distribution and License

The document is distributed under Creative Common Attribution 4.0 International [CC-BY](#).

The document is distributed as TLP:CLEAR.

### 1.3 Deliverable Definition

The identifier of the deliverable is D3.1 and it adheres to the definition outlined in the grant agreement **Public report with key findings of data collected in NGSOTI such as new discoveries, high level statistics to attacked schools to use NGSOTI**. The deliverable name is **References of training material updates #1** and the overall objective/alignment is described in the executive summary.

### 1.4 Executive Summary

In the NGOSTI project, new training materials are developed, or existing ones are updated. Some of these materials are released under an open-source license, allowing multiple contributors from various projects to enhance and extend them. This report focuses on NGOSTI training programs in the following three domains:

- Incident Response
- MISP
- Cryptography

This report includes references to commits in the public training material repositories.

## 2 Training Material

### 2.1 Incident Response

NGOSTI Incident Response training is tailored to each organization receiving the training. Thus it includes many sensitive data about their internal working organization and infrastructure. A generic training was distilled and released on the NGOSTI project for this deliverable<sup>1</sup>. It consists in 71 slides of training material.

## 2.2 Cryptography

Cryptography Concepts - Past and Present was designed and delivered by Georges Kesseler, IT sysadmin & Course Manager at Digital Learning Hub of Luxembourg (DLH) as part of the NGSOTI training program for Master students. The course introduces historical and modern cryptographic methods, including substitution ciphers (Caesar, Pigpen), polyalphabetic ciphers (Vigenère), mechanical encryption (Enigma), and contemporary cryptosystems (RSA, Elliptic Curves, symmetric and asymmetric encryption). It combines conceptual foundations with practical exercises on the use of cryptography in securing digital communication. The training materials are available on the NGSOTI Github repository for this deliverable<sup>2</sup>. They consist of training slides and three exercise worksheets for encryption and decryption.

## 2.3 MISP

The MISP open-source training materials have been developed over several years with support from multiple funding sources and external contributors. To track which parts were co-funded by NGSOTI, the table below lists the open-source materials, along with their dates, training repository names, and commit IDs to retrieve the corresponding content. MISP plays a central role in NGSOTI by enabling integration with external sources. Throughout 2024 and early 2025, MISP training has been expanded to align with NGSOTI objectives. The commits listed under columns with the repository name 'misp-training' are taken from the MISP-training GitHub repository<sup>3</sup>.

The list of commits related to trainings is shown in the table below:

Date	Repository	Title	Commit
2025-03-19	NGSOTI	Introduction to Incident Response	#1
2025-03-20	NGSOTI	Cryptography - Past and Present	#2
2024-01-31	misp-training	a.7-rest	#3
2024-01-31	misp-training	a.7-restAPI	#4
2024-04-12	misp-training	cheatsheet	#5
2024-04-12	misp-training	MISP Data model overview-with-analyst-data	#6
2024-04-15	misp-training	jupyter-notebooks	#7
2024-05-16	misp-training	x.17-eu-attack-community	#8
2024-05-20	misp-training	x.17-eu-attack-community	#9
2024-07-09	misp-training	3.1-misp-modules	#10
2024-07-10	misp-training	a.7-rest-API	#11

Date	Repository	Title	Commit
2024-08-22	misp-training	exercises campaign-targeting-multiple-isacs	#12
2024-09-06	misp-training	MISP Collaboration & Sharing - Rapid Fire of Features	#13
2024-10-02	misp-training	c-deployment	#14
2024-11-19	misp-training	zz-misp-and-isacs	#15
2024-11-19	misp-training	zz-misp-and-isacs	#16
2024-11-20	misp-training	zz-misp-and-isacs	#17