



International Telecommunication Union  
Arab Regional Office (ARB)



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- Administrations and Regulators in the Arab Region
- ITU-D Sector Members in the Arab Region
- Associates in the Arab Region
- Academia Institutions in the Arab Region
- Regional and International Organizations concerned in the Arab Region
- Arab Regional chairs and vice chairs of the Advisory Groups and Study Groups

**Subject: ITU Centres of Excellence Online Training Course on “Ransomware Analysis: File Encryption and Decryption Mechanism”**

Dear Madam/Sir,

I am pleased to invite your organization to participate in the online training course on **“Ransomware Analysis: File Encryption and Decryption Mechanism”**, organized jointly by the International Telecommunication Union (ITU) and Naif Arab University for Security Sciences (NAUSS), **from 25 to 26 October 2021**, as part of the Cybersecurity program under the auspices of the ITU Centres of Excellence for Arab region. The training will be delivered in English.

The objective of this course is to explain what is Ransomware as one of the malware forms widely used by cyber attackers and cyber criminals as well as learn how to detect, analyze, and protect yourself and your company from Ransomware attacks.

By the end of this training, participants should be able to have:

- Knowledge of Ransomware definition and objective.
- Knowledge of types and trends of Ransomware.
- Knowledge of encryption and decryption mechanism used by Ransomware.
- Knowledge of Windows file format.
- Skills to conduct of encryption and decryption.
- Skills in compare between Ransom file and common file with hex view tool.
- Skills in using virtual machine.

This training course targets security managers, engineers, technical staff, telecom operators, administrators from government organizations, industry companies and academia, as well as individuals who are interested in Ransomware cyber-attacks.

Detailed information on this training course is described in the course outline, which can be downloaded from the ITU Academy portal at the following link ([Click here](#))<sup>1</sup>. Registration should be made online at the aforementioned link no later than **15 October 2021**.

Should you require any further information, Eng. Mustafa Al Mahdi, Programme Officer, at ITU Arab Regional Office ([mustafa.almahdi@itu.int](mailto:mustafa.almahdi@itu.int)) and Dr. Abdulrazaq Al-Morjan, Director of Centre of Excellence in Cyber Crimes and Digital Forensics, NAUSS ([T-AAlmargan@nauss.edu.sa](mailto:T-AAlmargan@nauss.edu.sa)) are at your full disposal.

Looking forward to your active participation in this online training course.

Yours faithfully,

[Original signed]

**Adel M. Darwish**  
Regional Director  
Arab Regional Office

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<sup>1</sup><https://academy.itu.int/training-courses/full-catalogue/ransomware-analysis-file-encryption-and-decryption-mechanism-0>