



International Telecommunication Union  
Arab Regional Office (ARB)



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Cairo, 23 October 2022

- Arab Administrations of ITU Member States
- Arab Regulators

**Subject: ITU Regional Training Course on Certified Network Engineer for IPv6 (CNE6) Gold-level & Certified IoT Fundamental (CIoTF) for Arab Region  
Khartoum-Sudan, 27 November to 1 December 2022**

Dear Madam/Sir,

I am pleased to invite your organization to participate in the **ITU Regional Training Workshop on Certified Network Engineer for IPv6 (CNE6) Gold-level and Certified IoT Fundamental (CIoTF) for Arab region** to be conducted in collaboration with the Telecommunications and Post Regulatory Authority of Sudan (TPRA) in Khartoum-Sudan, **27 November to 1 December 2022**. The training courses are being implemented as part of the activities of the ITU's regional IPv6 and IoT Expertise Centre for Arab Region which hosted and supported by TPRA-Sudan. The training courses will be back-to-back 3 days for CNE6 Gold-level + 2 days for IoT Fundamental. Both events will be delivered in Arabic and English and are free of charge.

The CNE6 Gold course is advanced level training program for IPv6 network engineering program. This course is designed to provide in-depth knowledge on how to design, implement and operate IPv6 networks.

The Internet of Things (IoT) Fundamental training course provides an overview and insight into the emerging technology. The course covers the basic concepts, terminology, and key components of IoT.

By the end of these training courses, the participants can acquire the following knowledges and skills:

- IPv6 refresher
- IPv6 routing
- IPV6 transition revisit
- DHCPv6
- IPv6 mobility
- IPv6 security considerations
- IPv6 deployment case studies
- Concepts and terminologies of IoT
- IoT business orientation

- Basic building block of IoT architecture
- Enabling Technologies of IoT
- IoT security and top governance issues
- Hands-on Labs on both CNE6-Gold level and IoT fundamentals

The CNE6 Gold level and CloTF courses are ideal for network administrations, network support personnel, network designers, networking consultants, IT managers and business analyst, applications specialists, and IT directors.

To attend the CNE6 Gold course, participants should have passed the CNE6 Silver certification. To attend the CloTF course, you should have a good knowledge of internet concepts, computer networking, programming devices using C / C++ / Python, as well as knowledge of computer fundamentals

Due to the limited seats of the IPv6 and IoT Center (22), we kindly invite your entity to nominate one person to attend these courses and to register through the below-mentioned link, no later than **25 Nov 2022**.

Detailed information on these training courses is described in the training outline as well practical information note which can be downloaded from the event link ([Click here](#))<sup>1</sup>.

In order to facilitate the participation of delegates from the Arab Least Developed Countries (LDCs) in the event, there will be a limited number of **Partial Fellowships** to cover the air ticket expenses of one delegate from each Arab LDC. The interested countries should fill in the Fellowship Request Form, which is available on the event website mentioned above and return it to ITU, no later than **5 Nov. 2022**.

Should you require any further information on this course, please do not hesitate to contact: Eng. Mustafa Al Mahdi, Programme Officer at ITU Arab Regional Office, email: ([mustafa.almahdi@itu.int](mailto:mustafa.almahdi@itu.int)) and Eng. Ahmed Atyya, Numbering Manager, at TPRA, email: ([ahmed.atyya@tpra.gov.sd](mailto:ahmed.atyya@tpra.gov.sd)).

Looking forward to your active participation in these important events.

Yours faithfully,

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

  
**Dr. ElSadiq Gamaleldeen**  
 Director General  
 Telecommunication and Post Regulatory Authority  
 Sudan



<sup>1</sup> <https://www.itu.int/en/ITU-D/Regional-Presence/ArabStates/Pages/Projects/IPv6%26IoT/CNE6-CIoTf-Gold.aspx>