TELECOMMUNICATIONS & 5G · 4G & 5G NETWORKS

5G Core & Network Architecture

الشبكة الأساسية في 5G وبنية الشبكة

3 days | Advanced | In person · Live online | Arabic & English

Go deeper into the 5G core. You will study the service-based architecture and its network functions, registration and session management, policy and charging, virtualisation and cloud-native operation, and how the core connects to radio, transport and other networks.

WHO IT'S FOR

Core network, cloud and IT engineers, and architects at operators, vendors and large enterprises.

BEFORE YOU START

5G Fundamentals or equivalent knowledge

WHAT YOU'LL LEARN

- Describe the 5G service-based architecture.
- Explain the roles of the AMF, SMF, UPF and other network functions.
- Follow registration, session and mobility procedures.
- Explain policy control and charging.
- Describe cloud-native deployment of the core.

Training a team?
We run this course privately for organizations, on your dates, at your site or ours, and adapt the examples to your network and equipment.

COURSE OUTLINE

5 modules, 3 days

MODULE 01

Service-based architecture

- Network functions and interfaces
- Service-based communication

MODULE 02

Access and mobility

- Registration
- Mobility management

MODULE 03

Sessions and user plane

- PDU sessions
- UPF and traffic steering

MODULE 04

Policy, charging and security

- Policy control
- Charging
- Authentication and security

MODULE 05

Cloud-native core

- NFV and containers
- Orchestration
- Operations

ALSO IN 4G & 5G NETWORKS

4G LTE Fundamentals, **5G Fundamentals**, **End-to-End Mobile Networks: from the Handset to the Core**, **Mobile Core Networks: 2G to 4G and IMS**, **Wireless Engineering: 2G to 5G, End to End**

Enrol or ask a question

In person in Damascus · Live online · Private training for teams. Tell us your goals and we will send the dates, the fees and the right level for you.

+963 991 099 555

info@alalamia-sy.com

alalamia-sy.com