CABLING & FIBRE OPTICS · STRUCTURED CABLING

Data Centre Cabling Design

تصميم الكابلات في مراكز البيانات

2 days | Intermediate | In person · Live online | Arabic & English

Design cabling for server rooms and data centres that is easy to run, scale and keep tidy. You will compare copper and fibre options, plan high-density layouts, cable management and labelling, and learn how good cabling supports cooling, uptime and future growth.

WHO IT'S FOR

Network engineers, data centre technicians and designers who plan or maintain server rooms and data centres.

BEFORE YOU START

Structured Cabling Fundamentals or equivalent experience

WHAT YOU'LL LEARN

- Describe data centre spaces and cabling areas.
- Choose between copper, multimode and single-mode fibre for each link.
- Plan high-density patching, cross-connects and pre-terminated systems.
- Design cable management that supports airflow and maintenance.
- Produce a labelling and documentation plan.

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, 2 days

MODULE 01

Data centre spaces

- Entrance room and distribution areas
- Equipment distribution areas
- Redundancy and growth

MODULE 02

Media selection

- Copper for short links
- Multimode and single-mode fibre
- Connectors and polarity

MODULE 03

Topologies and layouts

- Top-of-rack and end-of-row
- Cross-connects and interconnects
- Pre-terminated cabling

MODULE 04

Cable management and airflow

- Overhead and underfloor pathways
- Rack and cabinet management
- Hot and cold aisles

MODULE 05

Labelling, documentation and handover

- Labelling schemes
- Records and change control
- Acceptance testing

ALSO IN STRUCTURED CABLING

Structured Cabling Fundamentals

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.

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