سيسكو في 6 ساعات

الكورس

يختصر أكثر من مائة ساعة

يركز على احتياجات المهندسين

في سوق العمل

القلادة أكاديمي

القلادة القابضة

-The Hierarchical Network Model

Core : Backbone of the network - high speed switching
Connecting Servers - fiber cables
Switch 7000
Router 7000-10000-12000

Distribution : Connecting branch to main office
Use WAN connections
Switch 4000-5000-6000
Router 4000

Access : Connecting PC to the network
Switch 1900-2900-3500
Router 700-1700-2500

Core

Distribution

Access

Pc
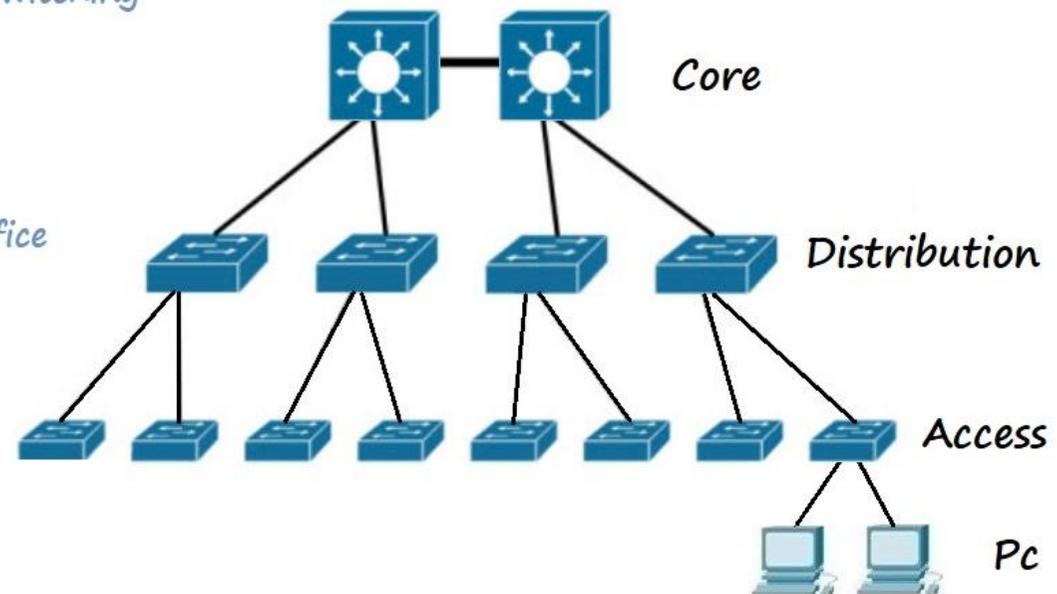
– Small Network Design
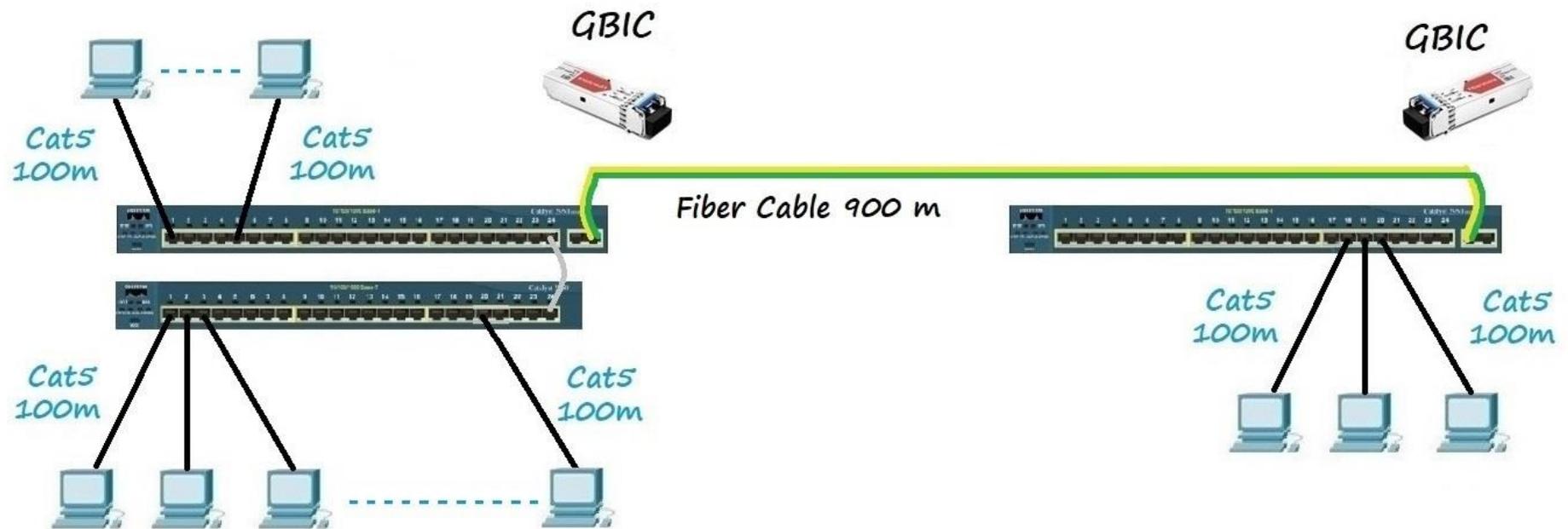
- Hotel Network

Floor	📶	📹	☎
4	2	4	10
3	2	4	10
2	2	4	10
1	2	4	10
G	2	4	0
Total	10	20	40

Hotel

Floor 4

Floor 3

Floor 2

Floor 1

Ground

- University Network

Main Building

Over Learn

Core Sw
GiGA Ports

Distribution Sw
8 GiGA Ports

Access Sw
24 10/100 Ports

Building 3

Building 4

Building 1

Building 2
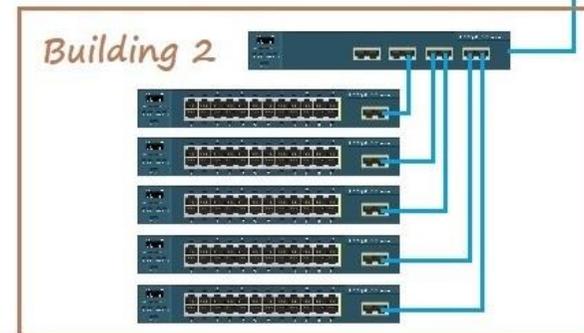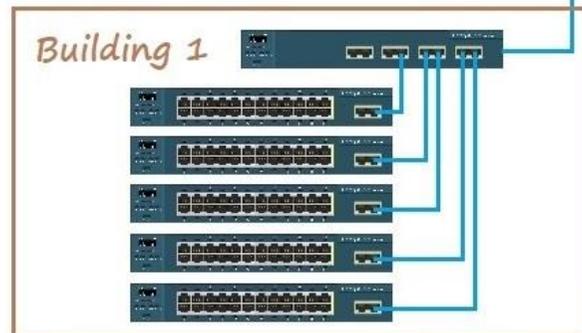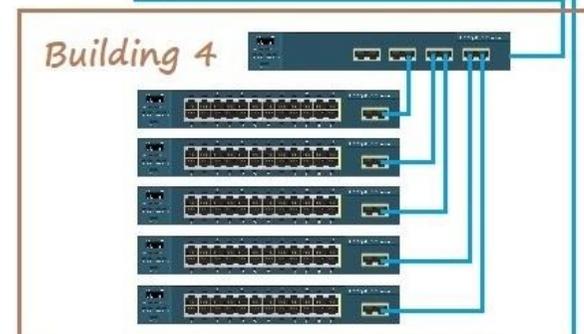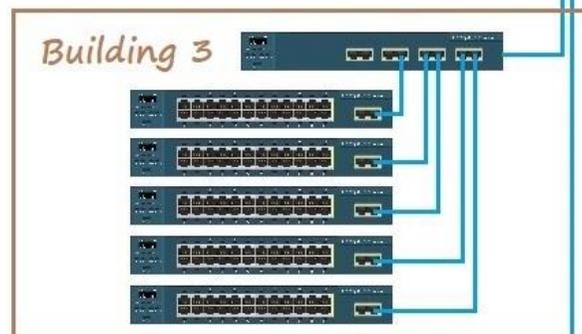
- Datacenter

⚡ **What happens when the power goes out ?**

Batteries and Diesel generators supplied electricity

🔥 **If a fire should break out, who responds ?**

Smoke detectors will flood the room with Gas

⛃ **If the Servers fail, is the data still secure ?**

Full backups done on a daily basis

40°C   **Hot Air**

AC

32A

30°C

23°C

23°C

20°C

Cold Air

Fiber