

NETLABS HUB

LAB 5

FEZ limited is a small scall retail that deal with foods, it is intending of opening a branch Africa, thus the company requires network engineer to design the network

Being a small network, the company has the following requirements during implementation,

- ❖ One router and 2 Catalyst cisco 2960 switches to be used (All Cisco products).
- ❖ 4 Departments (**Office, Security, Warehouse, Customer care.**)
- ❖ Host devices on each VLAN are required to obtain IPV4 addresses automatically from **Head office**.
- ❖ The Head office Data center is served by 172.16.10.0/24
- ❖ Devices in all departments are required to communicate with each other.
- ❖ Given base networks **192.168.10.0/24, 192.168.20.0/24, 192.168.30.0/24 and 192.168.40.0/24** to be assigned to departments respectively.
- ❖ Secure the remained switch ports after assigning some to different VLANS.
- ❖ Configure the inter-VLAN routing using Router

You are required to design and implement a network considering the above requirements.