Project 1: **Simple Networking**

* Each department should contain at least two PCs.
* Appropriate number of switches and routers should be used in the network.
* Using the given network 192.168.40.0, all interfaces should be configured with correct IP addresses, subnet mask and gateways.
* All devices in the network should be connected using appropriate cables.
* Test communication between devices in both ACCOUNTS and DELIVERY departments.

1. Creating a Simple Network using a Router and Access Layer Switch.
2. Connecting Networking devices with Correct cabling.
3. Connecting two Networks using a Router.
4. Subnetting and IP Addressing.
5. Assigning IP Addresses to Router's interfaces.
6. Static IP Address allocation to Host Devices.
7. Test and Verifying Network Communication

Topology

Immagine che contiene orologio, cerchio, diagramma

Descrizione generata automaticamenteAccount e Delivery:

* 2 pc per department = 4 tot
* Network ip address 192.168.40.0
* 2 subnet prefix
* /26 = 128 host per subnet

1 subnet:

Network: 192.168.40.0

Valid range:192.168.40.1 – 192.168.40.126

Broadcast:192.168.40.127

2 subnet:

Network: 192.168.40.128

Valid range:192.168.40.129 – 192.168.40.254

Broadcast:192.168.40.255