

Documentation

Setting up a Small Network

Petsa Georgia

28/11/2022

Cost:

For switches: 1,525.0\$ x 7

For router: 1,395.00 \$

For PC's: (10+12+14+16+18+24) * 500 \$

For servers: 1550 \$ x 2

Cables: ~ 100\$

Total Price: 62.270 \$

Equipment quantity:

7 switches, 2 servers, 1 router, 94 PC's, 103 cables

Type:

PT server, 2960 Switch, 2811 router, crossover and straight through cables

Naming:

For Administration we have LAN 10 and the name is admin.

For Classroom 12 we have LAN 12 and the name is class12

For Classroom 14 we have LAN 14 and the name is class14

For Center of Multimedia we have LAN 16 and the name is multi

For Center of Design and Engineering we have LAN 24 and the name is eng

For center of Assessment we have LAN 18 and the name is asses

For the subnets:

Network is 193.219.42.0/24

For LAN 10 we have :

Net: 193.219.42.0/28

S/M: 255.255.255.240

BroadCast: 193.219.42.15

For LAN 12 we have :

Net: 193.219.42.16/28

S/M: 255.255.255.240

BroadCast: 193.219.42.31

For LAN 14 we have :

Net: 193.219.42.32/27

S/M: 255.255.255.224

BroadCast: 193.219.42.63

For LAN 16 we have :

Net: 193.219.42.64/27

S/M: 255.255.255.224

BroadCast: 193.219.42.95

For LAN 18 we have :

Net: 193.219.42.96/27

S/M: 255.255.255.224

BroadCast: 193.219.42.127

For LAN 24 we have :

Net: 193.219.42.128/27

S/M: 255.255.255.224

BroadCast: 193.219.42.159

Implementation:



