Accounts and Delivery IP assignment solution

>>No of departments required = 2

>>Each department should have atleast 2 pc’s

>>network address = 192.168.40.0

>>no of subnets = 2

2^n = no of subnets

=>2^n = 2

n= 1

Ip address

255.255.255.255

11111111.11111111.11111111.10000000

>>255.255.255.128

1st subnet

Subnet mask = 255.255.255.128

Network id = 192.168.140.0

Range of valid host = 192.168.40.1-198.168.40.126

Broadcast id = 192.168.40.0 + 128  
 = 192.168.40.127

2nd subnet

Subnet mask = 255.255.255.128

Network id = 192.168.140.128

Range of valid host = 192.168.40.129-198.168.40.254

Broadcast id = 192.168.40.128 + 128  
 = 192.168.40.255

Account’s ip range === 192.168.40.0/25

Delivery ip range === 192.168.40.128/25