# Deel 1

## Londen

1. hostname Londen
2. no ip domain-lookup
3. enable secret cisco
4. service password-encryption
5. line con 0
6. password class
7. login
8. line vty 0
9. password class
10. login
11. banner motd %Geen toegang voor onbevoegden!%
12. int s0/0/0
13. ip address 10.192.16.2 255.255.255.252
14. no shutdown
15. int s0/0/1
16. ip address 10.192.16.6 255.255.255.252
17. no shutdown

## Parijs

1. int s0/0/0
2. ip address 10.192.16.5 255.255.255.252
3. no shutdown
4. clock rate 4000000
5. int s0/0/1
6. ip address 10.192.16.10 255.255.255.252
7. no shutdown

## Brussel

1. int s0/0/0
2. ip address 10.192.16.1 255.255.255.252
3. no shutdown
4. clock rate 4000000
5. int s0/0/1
6. ip address 10.192.16.9 255.255.255.252
7. no shutdown
8. clock rate 4000000

# Deel 2 (alles gebeurt in het Londen-netwerk)

## Distribution, Access\_1, Access\_2

1. vlan 10
2. name Finance
3. vlan 20
4. name HR
5. vlan 30
6. name IT
7. vlan 40
8. name Management
9. vlan 66
10. name Black\_hole

## Access\_1

1. int range fa0/1-5
2. switchport mode access
3. switchport access vlan 10
4. int range fa0/10-15
5. switchport mode access
6. switchport access vlan 30

## Access\_2

1. int range fa0/1-5
2. switchport mode access
3. switchport access vlan 20
4. int range fa0/10-15
5. switchport mode access
6. switchport access vlan 30

## Access\_1 & Access\_2

1. int range fa0/6-9, fa0/16-23, g0/1-2
2. switchport mode access
3. switchport access vlan 66
4. shutdown

## Distribution (trunking) (herhaal voor Distribution fa0/24, Access\_1 fa0/24, Access\_2 fa0/24)

1. int fa0/23
2. switchport mode trunk
3. switchport trunk native vlan 99
4. switchport trunk allowed vlan 10,20,30,40,99

## Access\_1

1. int vlan 1
2. no ip address
3. int vlan 40
4. ip address 172.16.40.1 255.255.255.0
5. exit
6. ip default-gateway 172.16.40.254

## Access\_2

1. int vlan 1
2. no ip address
3. int vlan 40
4. ip address 172.16.40.2 255.255.255.0
5. exit
6. ip default-gateway 172.16.40.254

## Distribution

1. int vlan 1
2. no ip address
3. int vlan 40
4. ip address 172.16.40.3 255.255.255.0
5. exit
6. ip default-gateway 172.16.40.254

## PC3, 4, 5, 6

Stel de IP adressen en default gateways in volgens de bijgevoegde lijst

## Access\_1

1. int fa0/5
2. shutdown
3. switchport port-security
4. switchport port-security maximum 2
5. switchport port-security mac-address sticky
6. int fa0/15
7. shutdown
8. switchport port-security
9. switchport port-security maximum 10
10. switchport port-security violation protect

# Deel 3

## Brussel

1. int g0/0
2. ip address 138.147.157.33 255.255.255.224
3. no shutdown
4. int g0/1
5. ip address 172.16.128.206 255.255.255.240
6. no shutdown
7. router rip
8. version 2
9. network 10.192.16.0
10. network 172.16.128.0
11. passive-interface g0/1
12. no auto-summary

## Parijs

1. int g0/0
2. ip address 192.168.250.129 255.255.255.128
3. no shutdown
4. int g0/1
5. ip address 192.168.192.254 255.255.255.0
6. no shutdown
7. router rip
8. version 2
9. network 10.192.16.0
10. network 192.168.250.0
11. network 192.168.192.0
12. passive-interface g0/1
13. passive-interface g0/0
14. no auto-summary

## Londen

1. int g0/0.10
2. encapsulation dot1Q 10
3. ip address 172.16.10.254 255.255.255.0
4. int g0/0.20
5. encapsulation dot1Q 20
6. ip address 172.16.20.254 255.255.255.0
7. int g0/0.30
8. encapsulation dot1Q 30
9. ip address 172.16.30.254 255.255.255.0
10. int g0/0.40
11. encapsulation dot1Q 40
12. ip address 172.16.40.254 255.255.255.0
13. int g0/0
14. no shutdown
15. router rip
16. version 2
17. network 10.192.16.0
18. network 172.16.0.0
19. passive-interface g0/0.10
20. passive-interface g0/0.20
21. passive-interface g0/0.30
22. passive-interface g0/0.40
23. no auto-summary

## Brussel

1. ip route 0.0.0.0 0.0.0.0 g0/0
2. router rip
3. default-information originate

## PC1, 2, 7 & Server1

Stel de IP adressen en default gateways in volgens de bijgevoegde lijst

# Deel 4

## Brussel

1. int g0/0
2. ip nat outside
3. int s0/0/1
4. ip nat inside
5. ip nat inside source static 192.168.250.129 138.147.157.34
6. int g0/0
7. ip address 138.147.157.33 255.255.255.224
8. no shutdown
9. ip nat pool dynamisch 138.147.157.35 138.147.157.39 netmask 255.255.255.224
10. access-list 1 permit 172.16.0.0 0.0.63.255
11. ip nat inside source list 1 pool dynamisch
12. int s0/0/0
13. ip nat inside

## Deel 5

## Brussel

1. int s0/0/1
2. ipv6 address 2001:db8:acad:a::1/64
3. ipv6 rip RIPNG enable
4. int g0/1
5. ipv6 address 2001:db8:acad:b::1/64
6. ipv6 rip RIPNG enable
7. exit
8. ipv6 unicast-routing

## Parijs

1. int s0/0/1
2. ipv6 address 2001:db8:acad:a::2/64
3. ipv6 rip RIPNG enable
4. int g0/1
5. ipv6 address 2001:db8:acad:c::1/64
6. ipv6 rip RIPNG enable
7. exit
8. ipv6 unicast-routing