

Router 1

- En
- Conf t
- Hostname R1
- Int g0/1
- Ip add 192.168.10.1 255.255.255.252
- No shut
- Do wr
- Ex
- Conf t
- Int g0/2
- Ip add 192.168.10.5 255.255.255.252
- No shut
- Do wr
- Ex

-----OSPF----

- Router ospf 1
- Router-id 1.1.1.1
- Network 192.168.10.0 0.0.0.3 area 0
- Network 192.168.10.4 0.0.0.3 area 0
- Ex
- Do wr

----Nat----

- Access-list 1 permit 192.168.10.0 0.0.0.255
- Ip nat pool publicaccess 100.100.100.2 natmask 255.255.255.252
- Ip nat inside source list 1 publicaccess
- Int g0/1
- Ip nat inside
- Ex
- Int g0/2
- Ip nat inside
- Ex
- Int g0/0
- Ip nat outside

Router 2

- En
- Conf t
- Hostname R2

- Int g0/0
- Ip add 192.168.10.2 255.255.255.252
- No shut
- Do wr
- Ex
- Conf t
- Int g0/1
- Ip add 192.168.10.9 255.255.255.252
- No shut
- Do wr
- Ex

-----OSPF-----

- Router ospf 1
- Router-id 2.2.2.2
- Network 192.168.10.0 0.0.0.3 area 0
- Network 192.168.10.8 0.0.0.3 area 0
- Ex
- Do wr

Router 3

- En
- Conf t
- Hostname R3
- Int g0/0
- Ip add 192.168.10.6 255.255.255.252
- No shut
- Do wr
- Ex
- Conf t
- Int g0/1
- Ip add 192.168.10.13 255.255.255.252
- No shut
- Do wr
- Ex

-----OSPF-----

- Router ospf 1
- Router-id 3.3.3.3
- Network 192.168.10.4 0.0.0.3 area 0
- Network 192.168.10.12 0.0.0.3 area 0

- Ex
- Do wr

Router 4

- En
- Conf t
- Hostname R4
- Int g0/1
- Ip add 192.168.10.10 255.255.255.252
- No shut
- Do wr
- Ex
- Conf t
- Int g0/0
- Ip add 192.168.10.14 255.255.255.252
- No shut
- Do wr
- Ex
- Int g0/2
- Ip add 192.168.10.17 255.255.255.252
- No shut
- Do wr
- Ex

-----OSPF-----

- Router ospf 1
- Router-id 4.4.4.4
- Network 192.168.10.8 0.0.0.3 area 0
- Network 192.168.10.12 0.0.0.3 area 0
- Network 192.168.10.16 0.0.0.3 area 0
- Ex
- Do wr

Router 5

- En
- Conf t
- Hostname R4
- Int g0/0
- Ip add 192.168.10.18 255.255.255.252
- No shut
- Do wr

- Ex
- Int g0/1.5 (vlan 5)
- Encapsulation dot1Q 5
- Ip add 192.168.10.33 255.255.255.224
- No shut
- Do wr
- Ex
- Int g0/1.10 (vlan 10)
- Encapsulation dot1Q 10
- Ip add 192.168.10.65 255.255.255.224
- ex
- Ip dhcp pool Hri
- Network 192.168.10.64 255.255.255.224
- Default-router 192.168.10.65
- Do wr
- Ex

-----OSPF-----

- Router ospf 1
- Router-id 5.5.5.
- Network 192.168.10.16 0.0.0.3 area 0
- Network 192.168.10.32 0.0.0.31 area 0
- Network 192.168.10.64 0.0.0.31 area 0
- Ex
- Do wr

Switch 1

- En
- Conf t
- Int g0/1
- Switchport mode trunk
- Ex
- Int g0/2
- Switchport mode trunk
- Ex
- Vlan 5
- Name static
- Ex
- Vlan 10
- Name dynamic
- Ex

- Do sh vlan bri
- Int f0/2
- Switchport mode access
- Switchport access vlan 5
- Ex
- Int f0/1
- Switchport mode access
- Switchport access vlan 10
- Do sh vlan br

Switch 2

- En
- Conf t
- Int g0/1
- Switchport mode trunk
- Ex
- Vlan 5
- Name static
- Ex
- Vlan 10
- Name dynamic
- Ex
- Do sh vlan bri
- Int f0/2
- Switchport mode access
- Switchport access vlan 5
- Ex
- Int f0/1
- Switchport mode access
- Switchport access vlan 10
- Do sh vlan br

