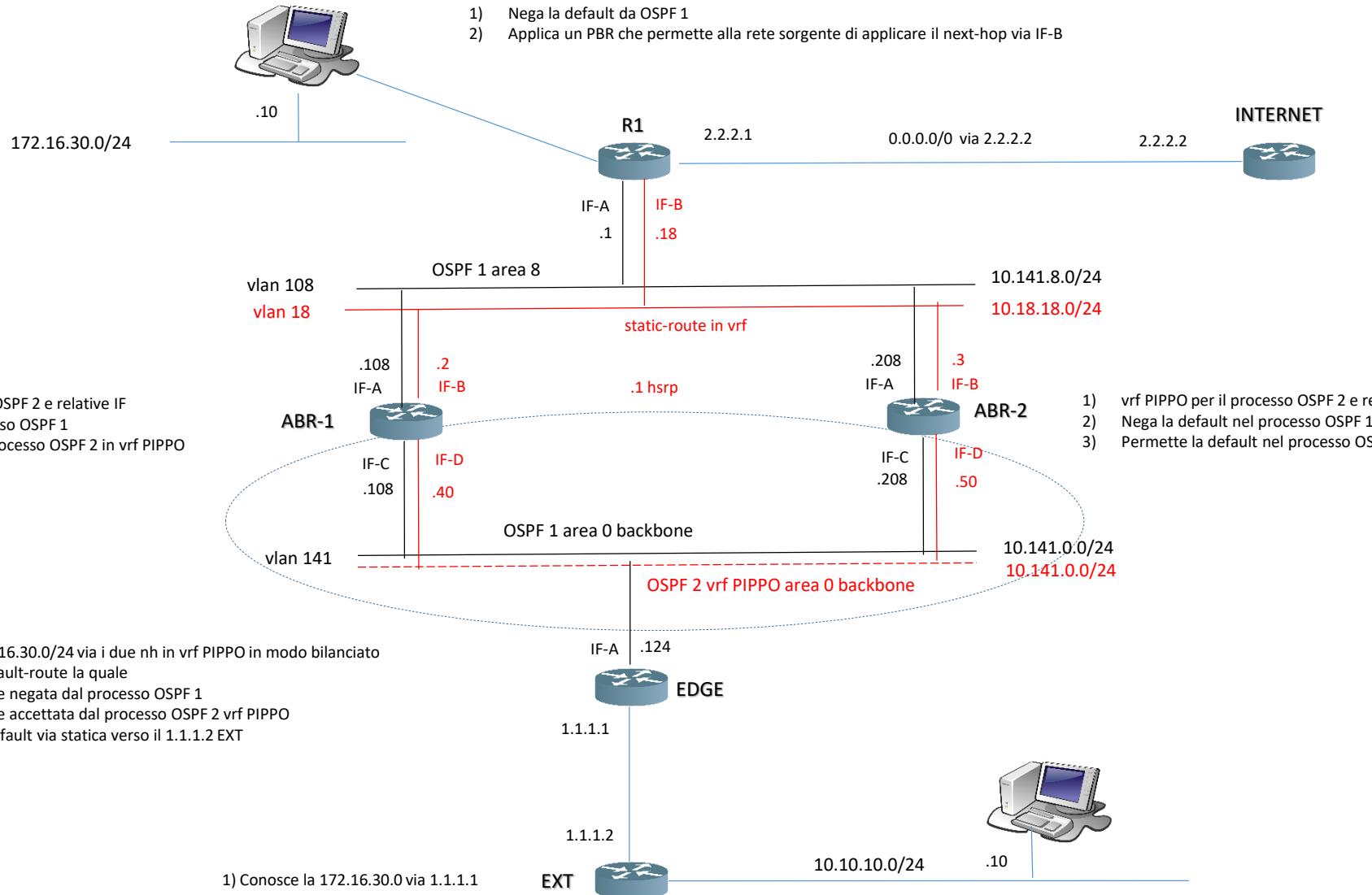
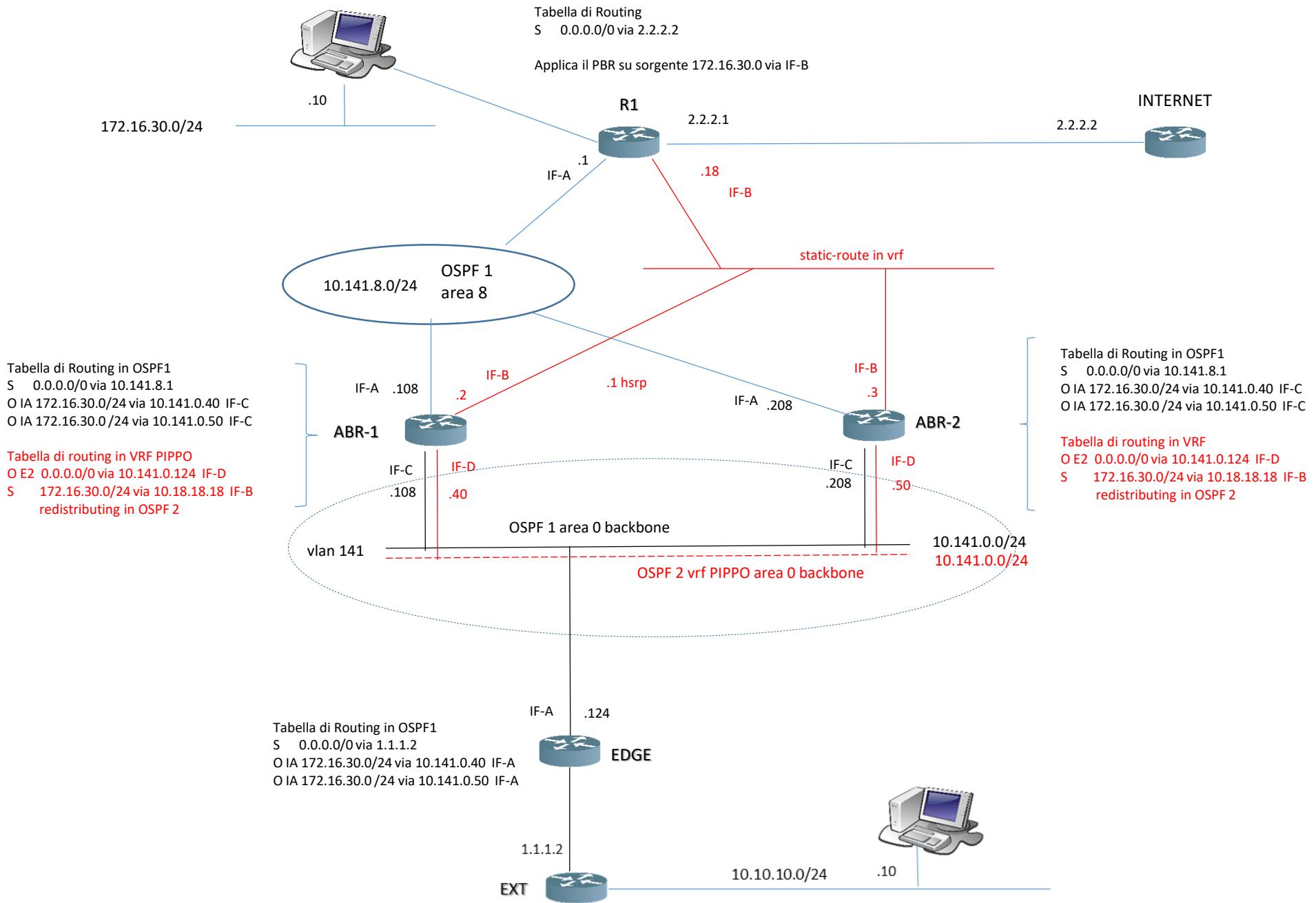


NOTES ABOUT OSPF NORMAL-AREA and OSPF in VRF-LITE ROUTING

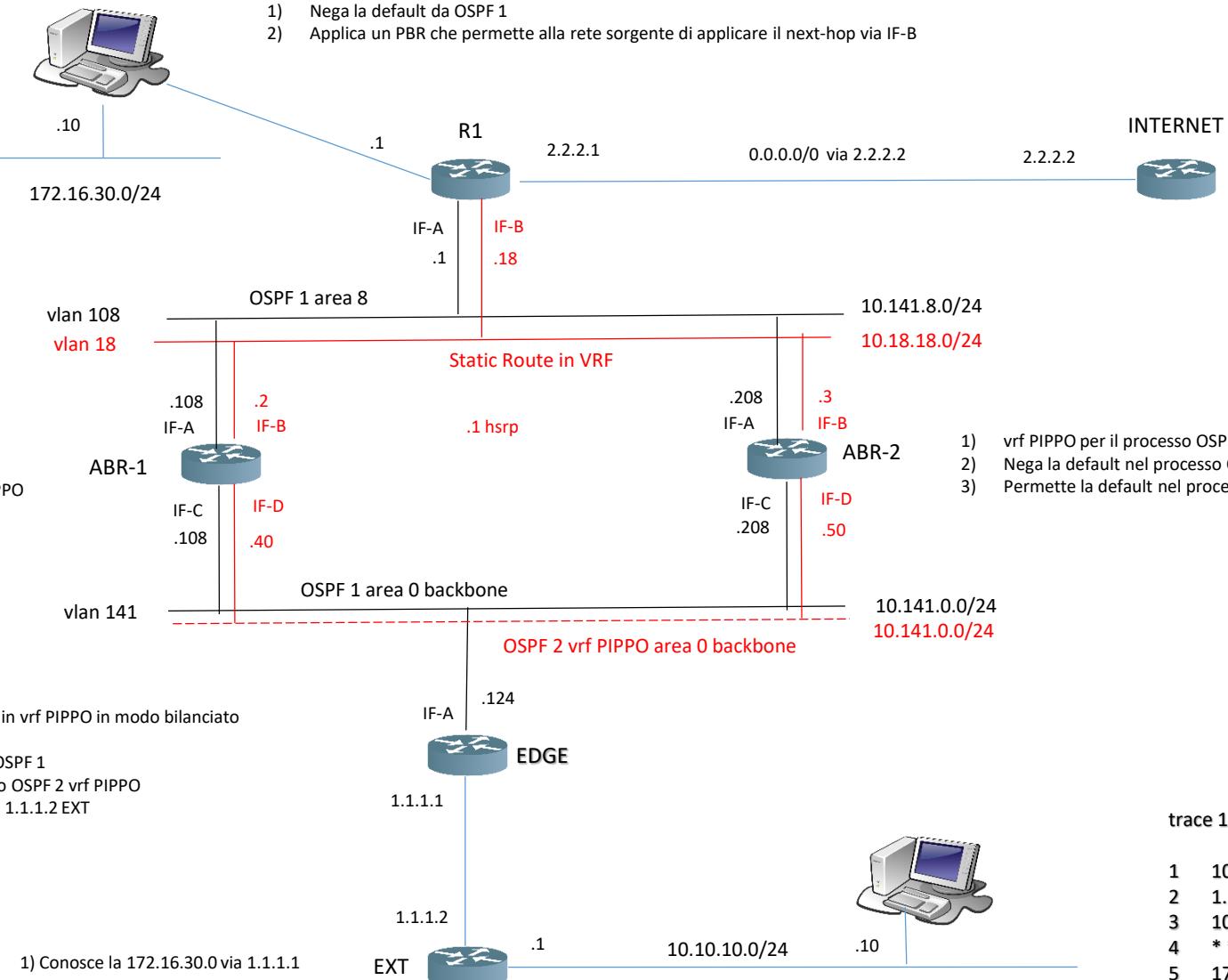
Massimiliano Sbaraglia





trace 10.10.10.10

1 172.16.30.1
2 10.18.18.2
3 10.141.0.124
4 * * * *
5 10.10.10.10

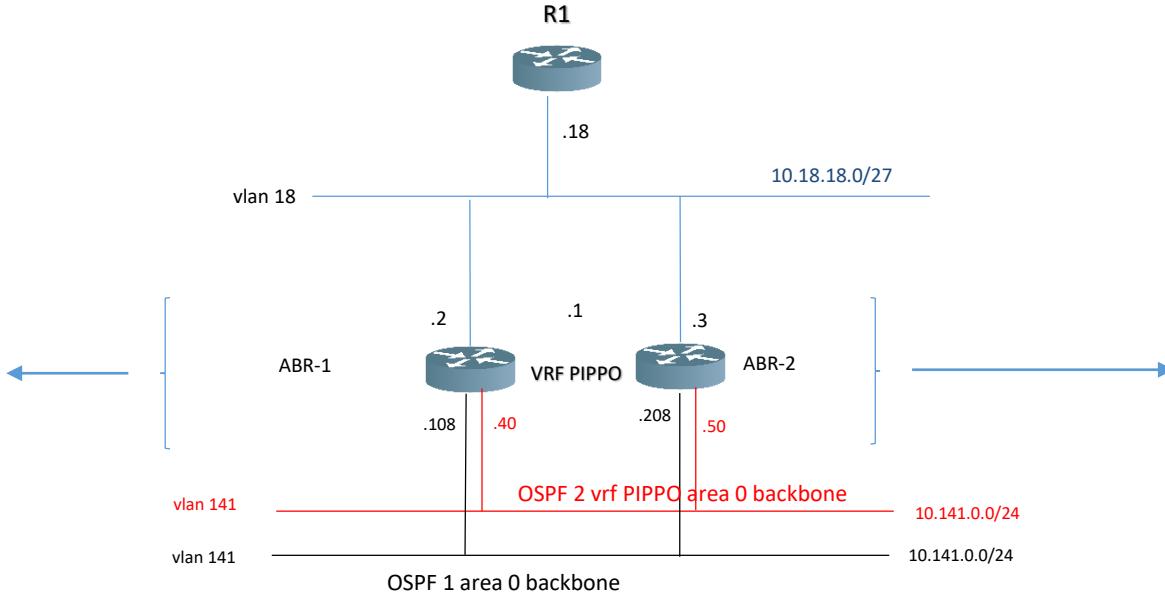


```

ip vrf PIPPO
rd 10:10
!
interface Loopback1
description PIPPO
ip vrf forwarding PIPPO
ip address 192.168.255.1 255.255.255.255
!
interface po18.141
description to-backbone-vrf-lite-PIPPO
encapsulation dot1Q 141
ip vrf forwarding PIPPO
ip address 10.141.0.40 255.255.255.0
ip ospf network broadcast
ip ospf hello-interval 5
ip ospf priority 255
ip ospf retransmit-interval 2
ip ospf 2 area 0.0.0.0
ip ospf cost 20
!
interface GigabitEthernet0/0/1.18
description to-R1
encapsulation dot1Q 18
ip vrf forwarding PIPPO
ip address 10.142.8.2 255.255.255.224
standby version 2
standby 18 ip 10.142.8.1
standby 18 priority 110
standby 18 preempt
!
interface po8.141
description transito-ospf-backbone
encapsulation dot1Q 141
ip address 10.141.0.108 255.255.255.0
ip ospf network broadcast
ip ospf hello-interval 5
ip ospf priority 255
ip ospf retransmit-interval 2
ip ospf cost 20
ip virtual-reassembly

router ospf 2 vrf PIPPO
router-id 192.168.255.1
redistribute static subnets
passive-interface default
no passive-interface po18.141
!
ip route vrf smart-working 172.16.30.0 255.255.255.0 10.18.18.18

```



```

ip vrf PIPPO
rd 10:10
!
interface Loopback1
description PIPPO
ip vrf forwarding PIPPO
ip address 192.168.255.2 255.255.255.255
!
interface po18.141
description to-backbone-vrf-lite-PIPPO
encapsulation dot1Q 141
ip vrf forwarding PIPPO
ip address 10.141.0.50 255.255.255.0
ip ospf network broadcast
ip ospf hello-interval 5
ip ospf priority 255
ip ospf retransmit-interval 2
ip ospf 2 area 0.0.0.0
ip ospf cost 20
!
interface GigabitEthernet0/0/1.18
description to-R1
encapsulation dot1Q 18
ip vrf forwarding PIPPO
ip address 10.142.8.3 255.255.255.224
standby version 2
standby 18 ip 10.142.8.1
standby 18 priority 110
standby 18 preempt
!
interface po8.141
description transito-ospf-backbone
encapsulation dot1Q 141
ip address 10.141.0.208 255.255.255.0
ip ospf network broadcast
ip ospf hello-interval 5
ip ospf priority 255
ip ospf retransmit-interval 2
ip ospf cost 20
ip virtual-reassembly

router ospf 2 vrf PIPPO
router-id 192.168.255.2
redistribute static subnets
passive-interface default
no passive-interface po18.141
!
ip route vrf smart-working 172.16.30.0 255.255.255.0 10.18.18.18

```