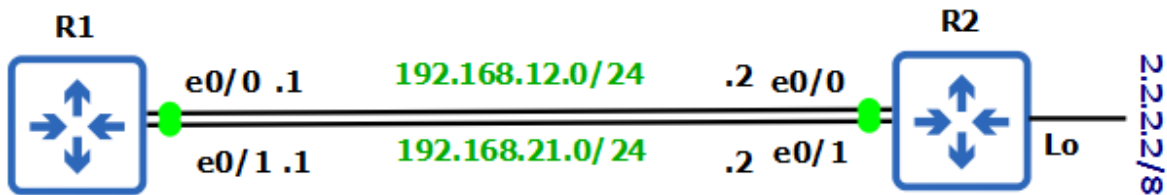
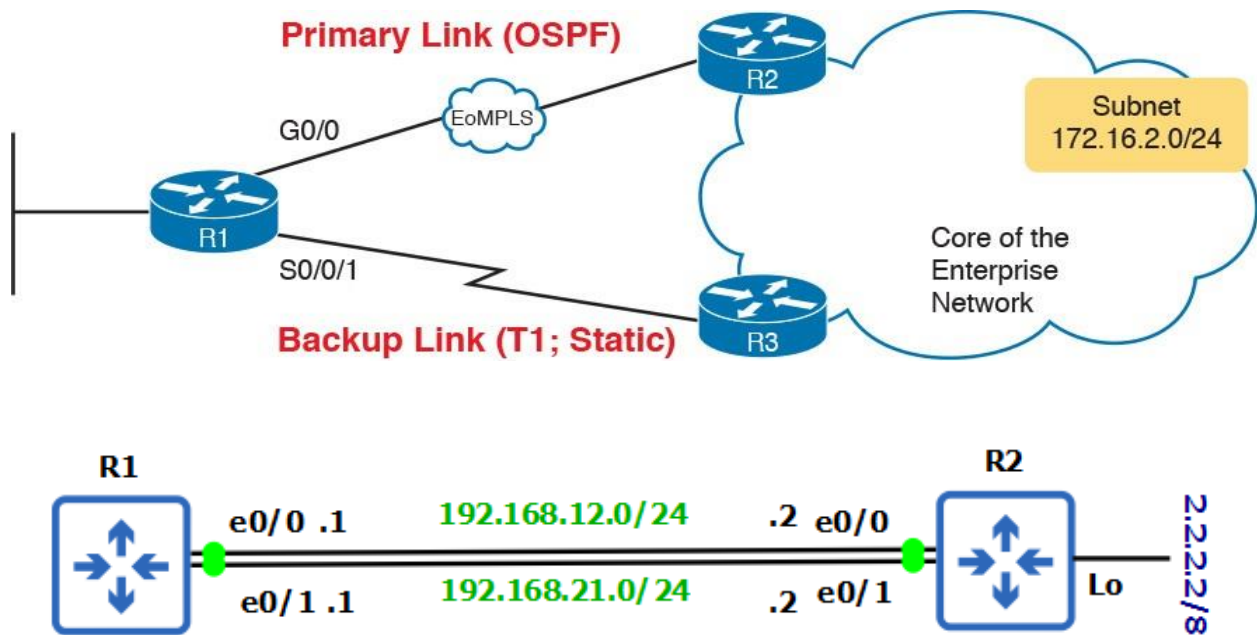


## Floating Static Routes:

- o Floating static route is route that has higher AD then the current route in a routing table.
- o The Floating Static Route are very useful, when providing a backup to a primary link.
- o Static Floating route is static route like any other but with added AD in the configuration.
- o Static floating route is the same as normal static route except that this kind of static route.
- o That has administrative distance configured to some value higher than 1 of default value.
- o As we know that a static route will have administrative distance (AD) of 1 by default.
- o Router ignores static route during times when the better routing protocol route is known.
- o It is used for a Backup Static Route, a second route is defined with a high Preference AD.
- o If the first Primary link fails, then this floating static route is used as a Backup link to use.
- o If want to use a static route as a backup route, we have to change administrative distance.
- o Basically, to make static route as a backup route in table, this is called a floating static route.
- o Floating static routes are used for redundancy in-case an interface or port fails or down.



### Router 1 Basic Configuration

```
R1(config)#interface Ethernet0/0
R1(config-if)#ip address 192.168.12.1 255.255.255.0
R1(config-if)#no shutdown
R1(config)#interface Ethernet0/1
R1(config-if)#ip address 192.168.21.1 255.255.255.0
R1(config-if)#no shutdown
```

<b>Router 2 Basic Configuration</b>
R2(config)#interface Ethernet0/0 R2(config-if)#ip address 192.168.12.2 255.255.255.0 R2(config-if)#no shutdown
R2(config)#interface Ethernet0/1 R2(config-if)#ip address 192.168.21.2 255.255.255.0 R2(config-if)#no shutdown
R2(config)#interface Loopback2 R2(config-if)# ip address 2.2.2.2 255.0.0.0
<b>Default Route Configuration in Router</b>
R2(config)#ip route 0.0.0.0 0.0.0.0 192.168.12.1
R2(config)#ip route 0.0.0.0 0.0.0.0 192.168.21.1
<b>Floating Static Route Configuration in R1</b>
R1(config)# ip route 2.0.0.0 255.0.0.0 192.168.12.2 R1(config)# ip route 2.0.0.0 255.0.0.0 192.168.21.2 5
R1# show ip route
R1# show ip route connected
R1# show ip route static
R1# show ip route 2.2.2.2
R1# show ip route 192.168.2.0