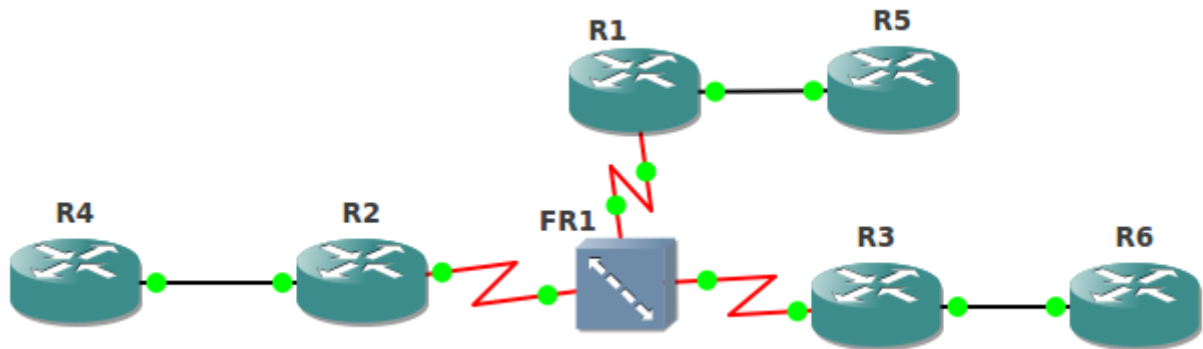


GRE ethernet bridge (Hub-and-Spoke)



Vengono qui rappresentate solo le parti salienti

R1:

```
bridge irb
bridge 1 protocol ieee
!
interface Tunnel102
  no ip address
  tunnel source Loopback0
  tunnel destination 10.0.0.2
  tunnel mode gre ip
  bridge-group 1
  bridge-group 1 spanning-disabled
!
interface Tunnel103
  no ip address
  tunnel source Loopback0
  tunnel destination 10.0.0.3
  tunnel mode gre ip
  bridge-group 1
  bridge-group 1 spanning-disabled
!
interface Serial0/0
  no ip address
  encapsulation frame-relay
  no shutdown
!
interface Serial0/0.102 point-to-point
  frame-relay interface-dlci 102
  ip address 10.0.2.0 255.255.255.254
!
interface Serial0/0.103 point-to-point
  frame-relay interface-dlci 103
  ip address 10.0.3.0 255.255.255.254
!
interface Loopback0
  ip address 10.0.0.1 255.255.255.255
!
interface FastEthernet0/0
```

```
no shutdown
no ip address
bridge-group 1
bridge-group 1 spanning-disabled
!
ip route 10.0.0.2 255.255.255.255 10.0.2.2
ip route 10.0.0.3 255.255.255.255 10.0.3.2
```

Alcuni output:

```
R5#ping 192.168.1.4
```

```
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.1.4, timeout is 2 seconds:
!!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 16/34/72 ms
```

```
R5#ping 192.168.1.6
```

```
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.1.6, timeout is 2 seconds:
!!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 420/458/524 ms
```

```
R5#sh arp
```

Protocol	Address	Age (min)	Hardware Addr	Type	Interface
Internet	192.168.1.5	-	d006.10c1.0000	ARPA	FastEthernet0
Internet	192.168.1.4	0	d004.10c1.0000	ARPA	FastEthernet0
Internet	192.168.1.6	0	d007.10c1.0000	ARPA	FastEthernet0

```
R4#sh arp
```

Protocol	Address	Age (min)	Hardware Addr	Type	Interface
Internet	192.168.1.5	1	d006.10c1.0000	ARPA	FastEthernet0
Internet	192.168.1.4	-	d004.10c1.0000	ARPA	FastEthernet0
Internet	192.168.1.6	1	d007.10c1.0000	ARPA	FastEthernet0

```
R6#sh arp
```

Protocol	Address	Age (min)	Hardware Addr	Type	Interface
Internet	192.168.1.5	1	d006.10c1.0000	ARPA	FastEthernet0
Internet	192.168.1.4	1	d004.10c1.0000	ARPA	FastEthernet0
Internet	192.168.1.6	-	d007.10c1.0000	ARPA	FastEthernet0

```
R6#ping 192.168.1.4
```

```
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.1.4, timeout is 2 seconds:
!!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 28/64/148 ms
```

```
R6#ping 192.168.1.5
```

```
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.1.5, timeout is 2 seconds:
!!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 420/471/512 ms
R6#
```