



UNIUNEA EUROPEANĂ



GUVERNUL ROMÂNIEI



Instrumente Structurale
2007-2013

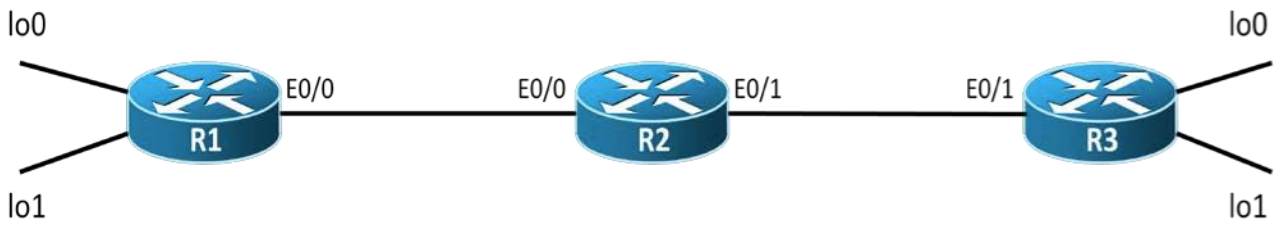


Platformă de e-learning și curriculă e-content pentru învățământul superior tehnic

Securizarea Calculatoarelor și a Rețelelor

31. Monitorizarea și depanarea VPN-urilor IPSec Site-to-Site

Topology



Device	Interface	IP Address	Subnet Mask
R1	F0/0	192.168.12.1	255.255.255.248
R1	Lo0	10.1.1.1	255.255.255.0
R1	Lo1	11.1.1.1	255.255.255.0
R2	F0/0	192.168.12.2	255.255.255.248
R2	F0/1	192.168.23.2	255.255.255.248
R3	F0/0	192.168.23.3	255.255.255.248
R3	Lo0	10.3.3.3	255.255.255.0
R3	Lo1	11.3.3.3	255.255.255.0

Tasks

1. [+4p=11p] All the traffic that will be flowing between R1's lo1 interface and R3's lo1 interface is to be encapsulated using the GRE protocol.
 - a. The network that is to be used on the Tunnel interfaces is 13.13.13.0 /29
 - b. The tunnel mode is "gre ip"
 - c. On R1, direct all the traffic going to network 11.3.3.0 through the GRE tunnel. Depending on what routing protocol you use, watch out for:
 - i. routes being advertised through the tunnel (including the route towards the tunnel endpoint)
 - ii. the subnet mask of dynamic/static routes
 - d. On R3, direct all the traffic going to network 11.1.1.0 through the GRE tunnel.
 - e. Verifying the GRE encapsulation using Wireshark.