



UNIUNEA EUROPEANĂ



GUVERNUL ROMÂNIEI



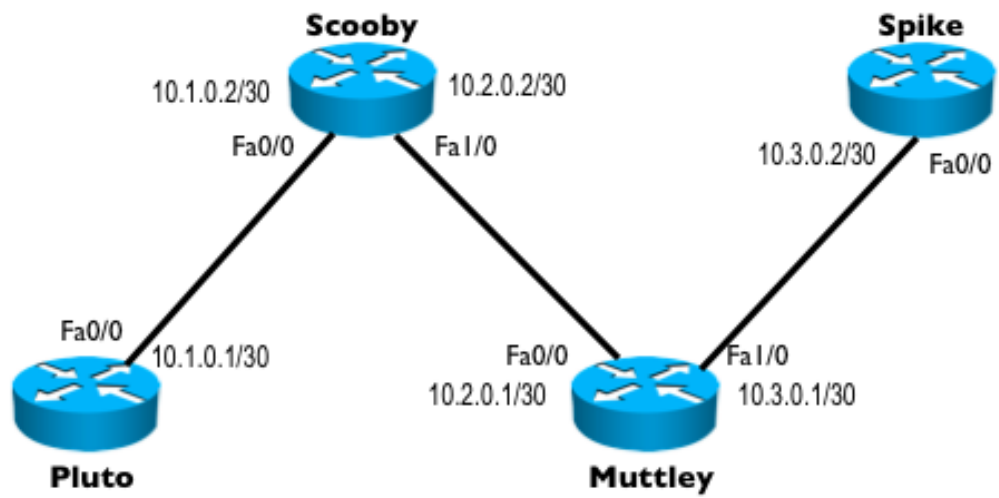
Instrumente Structurale  
2007-2013



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

Securizarea Calculatoarelor și a Rețelelor

4. Implementarea tehnologiei firewall CBAC pentru protejarea  
rețelei



Pluto Lo0: 110.0.0.1/24

Device	Interface	IP Address	Subnet Mask
Pluto	Lo0	110.0.0.1	255.255.255.0
Pluto	Fa0/0	10.1.0.1	255.255.255.252
Scooby	Fa0/0	10.1.0.2	255.255.255.252
Scooby	Fa1/0	10.2.0.2	255.255.255.252
Muttley	Fa0/0	10.2.0.1	255.255.255.252
Muttley	Fa1/0	10.3.0.1	255.255.255.252
Spike	Fa0/0	10.3.0.2	255.255.255.252

## Tasks

Open the `Labweek6-Topology.net` file.

### Important! Writing answers:

- Whenever you are asked to answer a question that doesn't require configuration, type the answer in a notepad window and keep it until the lab assistant checks the task.
1. [1.5p] Ensure connectivity between all devices using the addressing scheme printed above. Use static routes or a routing protocol (not recommended...).  
*If you decide to use a routing protocol, make sure all your future access lists will allow the routing protocol's traffic.*
  2. [+2p=3.5p] Configure CBAC to inspect all TCP, UDP and ICMP traffic on Scooby's FastEthernet1/0 interface. Use „show ip inspect sessions” to view an active Telnet session between Muttley and Pluto's loopback0 interface. Make sure you don't allow Pluto to connect to Muttley!!!
    - a. [+0.5p=4p] Modify the above configuration to enable alerts AND audit-trail only for TCP connections.
    - b. [+0.5p=4.5p] Use a 5 second timeout for all ICMP connections.
    - c. [+0.5p=5p] Try telnetting from Muttley to Scooby's Fa0/0 interface. Is this session being inspected? If not, fix it.