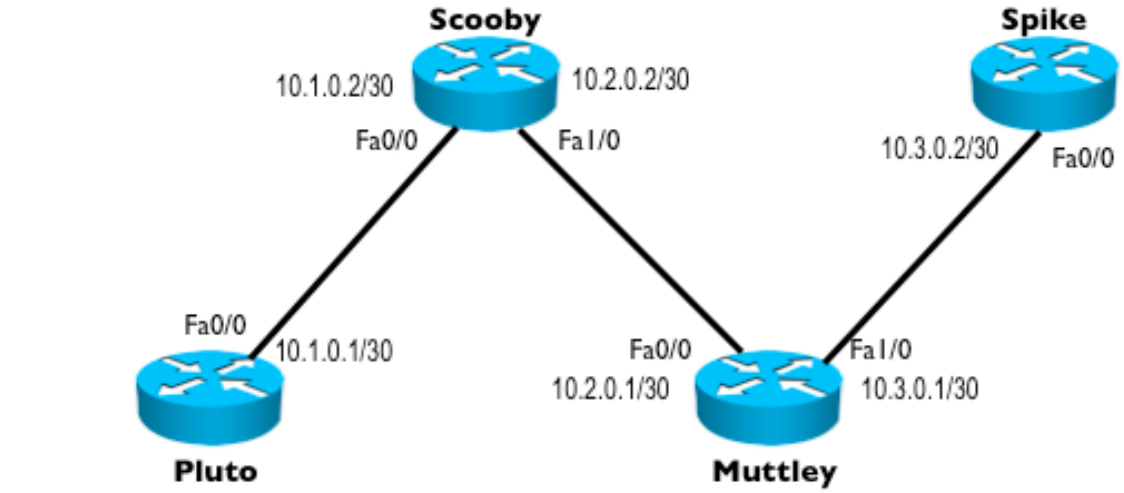
CBAC & ZPF



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.

3. [+4p=9p] Create a ZPF configuration on Muttley while considering the following requirements:
   a. The inside interface will be Muttley's connection to Spike
   b. The outside interface wll be Muttley's connection to Scooby.
   c. All IP traffic from the Muttley-Spike network to any outside destination is to be inspected.
   d. To check yourself, use the „show policy-map type inspect zone-pair sessions" command.

4. [+2p=11p] Add to the above ZPF configuration of the Muttley router the necessary commands to inspect all Telnet connections coming from the inside network and going to either of the 2 interfaces of Muttley.
   a. Inspect ONLY telnet traffic addressed to these interfaces.
   b. Inside and outside zones have the same meaning as above.