**VLAN 917. IP 74.123.15.40/29.**

***1)***

**Create the appropriate VLAN NUMBER from the list above on your SWITCH.**

conf t

vlan 917

name test

**Tag that VLAN NUMBER from above on your uplink port (switch).**

int f1/0/13

switchport trunk allowed vlan 117,3317,3333,917

**As well as to your TWO 2800's on their F0/1 interfaces.**

int f0/1.917

encapsulation dot1Q 917

**To pass off, paste the output of "show vlan id XXX | 3750**

show vlan id 917

**sho mac address-table dynamic vlan XXX**

show mac address-table dynamic vlan 917

***2)***

**Create a Layer3 VLAN Interface on your switch for VLAN XXX (from question 1).**

Int vlan917

**Assign the second usable IP to your Layer3 Switched VLAN.**

ip address 74.123.15.42 255.255.255.248

**Assign the third and fourth usable IPs to your 2800's VlanXXX (from question1) sub interface you created in the above step.**

*R-1:* Int f0/1.917

ip address 74.123.15.43 255.255.255.248

*R-2:* int f0/1.917

ip address 74.123.15.44 255.255.255.248

**Ping the first usable IP (me) from your switch as well as the 2800 vlanXXX IPs from your switch.**

Ping 74.123.15.41

Ping 74.123.15.43

Ping 74.123.15.44

**Once you are sure you can ping them run a "show arp | include XXX" (replace XXX with the Vlan ID from question 1) command on your Switch and paste the output for points for this question.**

Show arp | include vlan 917

***3)***

**Configure OSPF on your switch for your assigned IP network in Question 1 on AREA 0.**

router ospf 65535

network 74.123.15.40 0.0.0.7 area *0*

**Setup an OSPF MD5 Digest Key of: ineedospf2pass**

int vlan917

ip ospf message-digest-key 1 md5 ineedospf2pass

**Set this on your VlanXXX Layer3 interface on your switch to set the cost higher for this session (this will mean it'll come up, just wont be used):  ip ospf cost 600**

ip ospf cost 600

**One you have OSPF up on your Vlan9XX switch interface, paste the output of this command for points for this question:**

**"sho ip ospf neighbor | inc VlanXXX"   (replace XXX with your VLAN from question 1).**

Show ip ospf neighbor | inc vlan917

***4)***

**Create a named ACL on your 3750 to:**

Ip access-list extended daddy

**#1 - permit ICMP packets from 144.38.192.40 to your new network from question #1.**

permit icmp host 144.38.192.40 74.123.15.40 0.0.0.7

**#2 - permit ICMP packets from**[**209.33.192.0/19**](http://209.33.192.0/19)**to your new network from question #1.**

permit icmp 209.33.192.0 0.0.31.255 74.123.15.40 0.0.0.7

**#3 - deny all OTHER ICMP packets to your new network from question 1.**

deny icmp any 74.123.15.40 0.0.0.7

**#4 - deny packets from the world to your new network that are destined for ports:**

**tcp/22, tcp/25, tcp/53, udp/53, udp/123, udp/1900**

deny icmp any 74.123.15.40 0.0.0.7  
deny tcp any 74.123.15.40 0.0.0.7 eq 22  
deny tcp any 74.123.15.40 0.0.0.7 eq 25  
deny tcp any 74.123.15.40 0.0.0.7 eq 53  
deny udp any 74.123.15.40 0.0.0.7 eq 53  
deny udp any 74.123.15.40 0.0.0.7 eq 123  
deny udp any 74.123.15.40 0.0.0.7 eq 1900

permit ip any any

**Apply the ACL on your Layer3 VlanXXX interface inbound.**

int vlan917

ip access-group daddy in

***5)***

**How would you rate this test from 1 to 10?**

Screw you.