Layer 2 VLAN Trunking, Sub Interfaces on routers.

Conf t > int f0/0 or int f0/0.11 (sub)

interface FastEthernet1/0/20

description 2800-2 F0/0

switchport access vlan 12

switchport trunk encapsulation dot1q

switchport trunk allowed vlan 12

switchport mode trunk

Layer 3 IP Addressing.

**Setup a layer3 interface on switch.**

Int vlan117

interface Vlan117

ip address 74.123.12.226 255.255.255.252

ip ospf message-digest-key 1 md5 7 013C35347D021522184A4F1F16171E060E

ip ospf network point-to-point

**Setup an IP on your sub-interface on your router.**

interface FastEthernet0/1.13

encapsulation dot1Q 13

ip address 74.123.12.245 255.255.255.252

ip ospf message-digest-key 1 md5 7 013C35347D021522184A4F1F16171E060E

ip ospf network point-to-point

Routing

**Create a new OSPF session on your switch to douchebag. MD5 authentication.**

router ospf 65535

router-id 74.123.12.248

log-adjacency-changes

area 0 authentication message-digest

area 100 authentication message-digest

summary-address 74.123.12.224 255.255.255.224

network 74.123.12.224 0.0.0.3 area 0

network 74.123.12.228 0.0.0.3 area 100

network 74.123.12.232 0.0.0.3 area 100

interface Vlan117

ip address 74.123.12.226 255.255.255.252

ip ospf message-digest-key 1 md5 7 013C35347D021522184A4F1F16171E060E

ip ospf network point-to-point

ACL

**Create ACL**

garay-3750(config)#ip access-list standard ssh\_access

garay-3750(config-std-nacl)#permit 74.123.12.224

garay-3750(config)#line vty 0 15

garay-3750(config-line)#access-class ssh\_access in

garay-3750(config-line)#transport input ssh telnet

garay-3750#show access-lists

garay-2800-2(config)#ip access-list standard 1

garay-2800-2(config-std-nacl)#permit 204.17.177.8

garay-2800-2(config-std-nacl)#deny any

garay-2800-2(config)#ntp access-group peer 1

garay-2800-1(config)#ip access-list extended extenze

garay-3750(config-ext-nacl)#permit icmp 144.38.0.0 0.0.255.255 74.123.12.224 0.0.0.255

garay-3750(config-ext-nacl)#permit icmp host 209.33.215.102 74.123.12.224 0.0.0.255

garay-3750(config-ext-nacl)#deny tcp 74.123.12.224 0.0.0.255 any eq domain

garay-3750(config-ext-nacl)#deny tcp 74.123.12.224 0.0.0.255 any eq 123

garay-3750(config-ext-nacl)#permit ip any any

garay-3750(config)#int vlan117

garay-3750(config-if)#ip acce

garay-3750(config-if)#ip access-group ping\_allow in

<http://www.aelius.com/njh/subnet_sheet.html>