2018년 지방 3과제(Trouble Shooting)

Floating Static Routing

Laptop2)

ssh –l cisco 172.16.1.254 //ssh접속후 설정

Router6(config)#ip route 0.0.0.0 0.0.0.0 10.0.0.5 2

DHCP

Router0)

Router0(config)#ip dhcp pool LAN

Router0(dhcp-config)#default-router 172.16.0.254

Router0(config)#ip dhcp excluded-address 172.16.0.0 172.16.0.49

Router0(config)#ip dhcp excluded-address 172.16.0.61 172.16.0.255

Router1)

Router1(config)#ip dhcp pool LAN

Router1(dhcp-config)#default-router 10.0.0.126

Router1(config)#ip dhcp excluded-address 10.0.0.0 10.0.0.49

Router1(config)#ip dhcp excluded-address 10.0.0.61 10.0.0.255

Router6)

Router6(config)#ip dhcp pool LAN

Router6(dhcp-config)#default-router 172.16.1.254

Rotuer6(config)#ip dhcp excluded-address 172.16.1.0 172.16.1.49

Router6(config)#ip dhcp excluded-address 172.16.1.61 172.16.1.255

OSPF Stub area

Router3)

Router3(config)#router ospf 1

Router3(config-router)#area 1 stub

Laptop2)

ssh –l cisco 10.0.0.1

Router2(config)#router ospf 1

Router2(config-router)#area 1 stub

OSPF Authentication

Router3)

Router3(config)#interface s0/1/0

Router3(config-if)#ip ospf message-digest-key 1 md5 cisco

Router3(config)#router ospf 1

Router3(config-router)#area 1 authentication message-diget

Laptop2)

ssh –l cisco 10.0.0.1

Router2(config)#interface s0/0/1

Router2(config-if)#ip ospf message-degest-key 1 md5 cisco

Router2(config)#router ospf 1

Router2(config-router)#area 1 authentication message-diget

PAT

Router0)

Router0(config)#ip access-list standard LAN

Router0(config-std-nacl)#permit 172.16.0.0 0.0.0.255

Router0(config)#ip nat inside source list LAN interface s0/0/0 overload

Router0(config)#int s0/0/0

Router0(config-if)#ip nat outside

Router0(config)#int g0/0

Router0(config-if)#ip nat inside

Router1)

Router1(config)#ip access-list standard LAN

Router1(config-std-nacl)#permit 10.0.0.0 0.0.0.127

Router1(config-std-nacl)#permit 10.0.0.128 0.0.0.127

Router1(config)#ip nat inside source list LAN interface s0/0/0 overload

Router1(config)#int g0/0

Router1(config-if)#ip nat inside

Router1(config)#int g0/1

Router1(config-if)#ip nat inside

Router1(config)#int s0/0/0

Router1(config-if)#ip nat outside

Router2)

Router2(config)#ip access-list standard LAN

Router2(config-std-nacl)#permit 10.0.0.0 0.0.0.3

Router2(config-std-nacl)#permit 10.0.0.4 0.0.0.3

Router2(config-std-nacl)#permit 172.16.1.0 0.0.0.255

Router2(config-std-nacl)#permit 0.0.0.0 255.255.255.252

Router2(config)#ip nat inside source list LAN interface s0/0/1 overload

Router2(config)#int g0/0

Router2(config-if)#ip nat inside

Router2(config)#int g0/1

Router2(config-if)#ip nat inside

Router2(config)#int s0/0/1

Router2(config-if)#ip nat outside

Port-Forwarding

Router1)

Router1(config)#ip nat inside source static udp 10.0.0129 53 112.72.64.2 53

Zone-Based Firewall

Router1)

Router1(config)#policy-map type inspect LAN-2-DMZ

Router1(config-pmap)#class type inspect ALL

Router1(config-pmap-c)#inspect

Router1(config)#policy-map type inspect LAN-2-WAM

Router1(config-pmap)#class type inspect ALL

Router1(config-pmap-c)#inspect

GRE IPsec Tunnel

Router0)

Router0(config)#ip access-list 100 permit gre 172.16.0.0 0.0.0.255 172.16.1.0 0.0.0.255

Router0(config)#crypto map 10 10 ipsec-isakmp

Router0(config-crypto-map)#set peer 112.72.64.9

Router2)

Router2(config)# ip access-list 100 permit gre 172.16.1.0 0.0.0.255 172.16.0.0 0.0.0.255

Router2(config)# interface s0/0/1

Router2(config-if)# crypto map 10