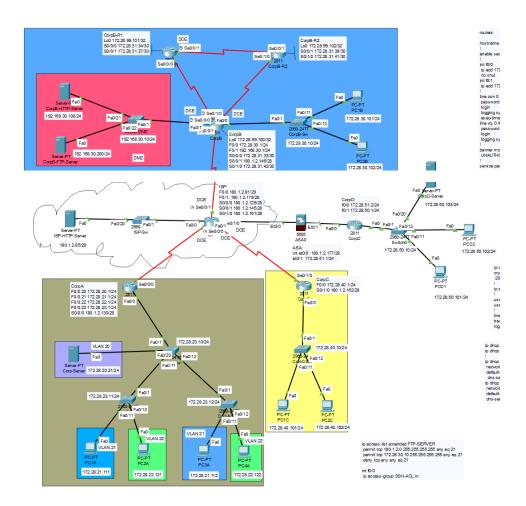
Dan MacCarthy

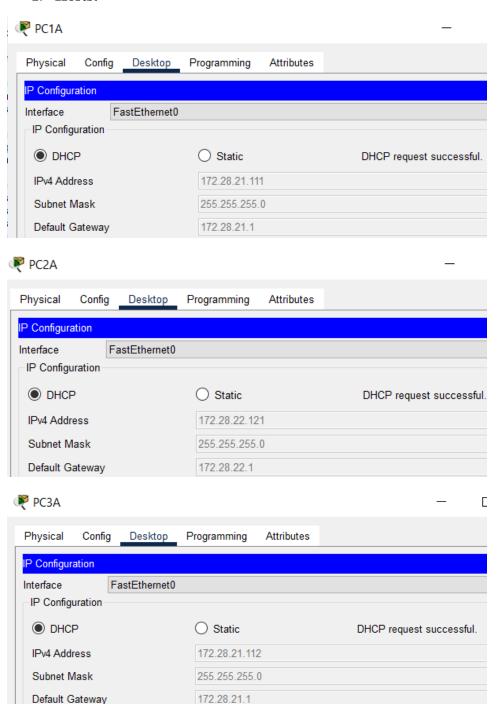
CMPT 420

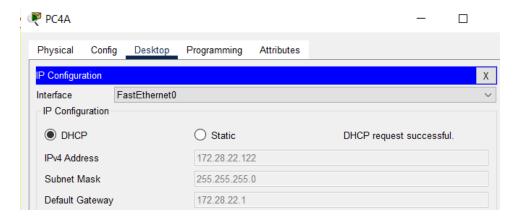
May, 13, 2022

TOPOLOGY:



1. Hosts:







```
Physical
         Config
               Desktop Programming
                                      Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 180.1.2.85
Pinging 180.1.2.85 with 32 bytes of data:
Request timed out.
Reply from 180.1.2.85: bytes=32 time=14ms TTL=124
Reply from 180.1.2.85: bytes=32 time=19ms TTL=122
Reply from 180.1.2.85: bytes=32 time=14ms TTL=122
Ping statistics for 180.1.2.85:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 14ms, Maximum = 19ms, Average = 15ms
C:\>ping 172.28.99.101
Pinging 172.28.99.101 with 32 bytes of data:
Reply from 172.28.99.101: bytes=32 time=81ms TTL=252
Reply from 172.28.99.101: bytes=32 time=10ms TTL=252
Reply from 172.28.99.101: bytes=32 time=14ms TTL=252
Reply from 172.28.99.101: bytes=32 time=62ms TTL=252
Ping statistics for 172.28.99.101:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 10ms, Maximum = 81ms, Average = 41ms
```



Physical Config Desktop Programming Attributes

```
Command Prompt
Approximate round trip times in milli-seconds:
    Minimum = 5ms, Maximum = 12ms, Average = 9ms
C:\>ping 192.168.30.100
Pinging 192.168.30.100 with 32 bytes of data:
Request timed out.
Reply from 192.168.30.100: bytes=32 time=103ms TTL=125
Reply from 192.168.30.100: bytes=32 time=10ms TTL=125
Reply from 192.168.30.100: bytes=32 time=5ms TTL=125
Ping statistics for 192.168.30.100:
   Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
   Minimum = 5ms, Maximum = 103ms, Average = 39ms
C:\>ping 172.28.22.122
Pinging 172.28.22.122 with 32 bytes of data:
Request timed out.
Reply from 172.28.22.122: bytes=32 time=2ms TTL=127
Reply from 172.28.22.122: bytes=32 time=1ms TTL=127
Reply from 172.28.22.122: bytes=32 time<1ms TTL=127
Ping statistics for 172.28.22.122:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 2ms, Average = 1ms
```

2. VLANs:

CorpA-Sw

VLAN	Name	Status	Ports
1	default	active	Fa0/2, Fa0/3, Fa0/4, Fa0/5
			Fa0/6, Fa0/7, Fa0/8, Fa0/9
			Fa0/10, Fa0/13, Fa0/14,
Fa0/	15		
			Fa0/16, Fa0/17, Fa0/18,
Fa0/	19		
			Fa0/21, Fa0/22, Fa0/23,
Fa0/	24		
			Gig0/1, Gig0/2
20	PURPLE	active	Fa0/20
21	BLUE	active	
22	GREEN	active	
23	ADMIN	active	
1002	fddi-default	active	
1003	token-ring-default	active	
1004	fddinet-default	active	
1005	trnet-default	active	

3. STP:

VLAN0023

Spanning tree enabled protocol ieee

Root ID

Priority 24599 Address 0006.2A05.3748 This bridge is the root

Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec

Bridge ID Priority 24599 (priority 24576 sys-id-ext 23)
Address 0006.2A05.3748
Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec

Aging Time 20

Interface	Role	Sts	Cost	Prio.Nbr	Type
Fa0/1 Fa0/11	Desg Desg				P2p P2p
Fa0/12	Desg	FWD	19	128.12	P2p

4. IEEE 802.1Q Trunking:

CorpA-Sw#sh	int trunk			
Port	Mode	Encapsulation	Status	Native vlan
Fa0/1	on	802.1q	trunking	23
Fa0/11	on	802.1q	trunking	23
Fa0/12	on	802.1q	trunking	23
Port	Vlans allowe	d on trunk		
Fa0/1	20-23			
Fa0/11	20-23			
Fa0/12	20-23			
Port	Vlans allowe	d and active in	management do	main
Fa0/1	20,21,22,23			
Fa0/11	20,21,22,23			
Fa0/12	20,21,22,23			
Port	Vlans in spa	nning tree forw	arding state a	nd not pruned
Fa0/1	20,21,22,23			
Fa0/11	20,21,22,23			
Fa0/12	20,21,22,23			

5. Default Static Routing:

CorpB

```
Gateway of last resort is 180.1.2.145 to network 0.0.0.0
    172.28.0.0/16 is variably subnetted, 10 subnets, 3 masks
С
       172.28.30.0/24 is directly connected, FastEthernet0/0
т.
       172.28.30.1/32 is directly connected, FastEthernet0/0
С
       172.28.31.32/30 is directly connected, Serial0/0/0
L
       172.28.31.33/32 is directly connected, Serial0/0/0
       172.28.31.36/30 [110/128] via 172.28.31.34, 00:00:07, Serial0/0/0
0
                      [110/128] via 172.28.31.41, 00:00:07, Serial0/1/0
С
       172.28.31.40/30 is directly connected, Serial0/1/0
т.
       172.28.31.42/32 is directly connected, Serial0/1/0
С
       172.28.99.100/32 is directly connected, Loopback0
       172.28.99.101/32 [110/65] via 172.28.31.34, 00:00:07, Serial0/0/0
0
       172.28.99.102/32 [110/65] via 172.28.31.41, 00:00:07, Serial0/1/0
    180.1.0.0/16 is variably subnetted, 2 subnets, 2 masks
       180.1.2.144/28 is directly connected, Serial0/0/1
       180.1.2.146/32 is directly connected, Serial0/0/1
    192.168.30.0/24 is variably subnetted, 2 subnets, 2 masks
С
       192.168.30.0/24 is directly connected, FastEthernet0/1
       192.168.30.1/32 is directly connected, FastEthernet0/1
    0.0.0.0/0 [1/0] via 180.1.2.145
CorpA
Gateway of last resort is 180.1.2.129 to network 0.0.0.0
     172.28.0.0/16 is variably subnetted, 8 subnets, 2 masks
        172.28.20.0/24 is directly connected, FastEthernet0/0.20
С
L
        172.28.20.1/32 is directly connected, FastEthernet0/0.20
C
        172.28.21.0/24 is directly connected, FastEthernet0/0.21
т.
        172.28.21.1/32 is directly connected, FastEthernet0/0.21
С
        172.28.22.0/24 is directly connected, FastEthernet0/0.22
L
        172.28.22.1/32 is directly connected, FastEthernet0/0.22
С
        172.28.23.0/24 is directly connected, FastEthernet0/0.23
L
        172.28.23.1/32 is directly connected, FastEthernet0/0.23
     180.1.0.0/16 is variably subnetted, 2 subnets, 2 masks
С
        180.1.2.128/28 is directly connected, Serial0/0/0
        180.1.2.130/32 is directly connected, Serial0/0/0
     0.0.0.0/0 [1/0] via 180.1.2.129
CorpC
Gateway of last resort is 180.1.2.161 to network 0.0.0.0
      172.28.0.0/16 is variably subnetted, 2 subnets, 2 masks
С
         172.28.40.0/24 is directly connected, FastEthernet0/0
L
         172.28.40.1/32 is directly connected, FastEthernet0/0
      180.1.0.0/16 is variably subnetted, 2 subnets, 2 masks
С
         180.1.2.160/28 is directly connected, Serial0/1/0
L
         180.1.2.162/32 is directly connected, Serial0/1/0
      0.0.0.0/0 [1/0] via 180.1.2.161
```

6. Dynamic routing:

Gateway of last resort is 180.1.2.145 to network 0.0.0.0

CorpB

```
172.28.0.0/16 is variably subnetted, 10 subnets, 3 masks
С
        172.28.30.0/24 is directly connected, FastEthernet0/0
т.
       172.28.30.1/32 is directly connected, FastEthernet0/0
С
        172.28.31.32/30 is directly connected, Serial0/0/0
L
        172.28.31.33/32 is directly connected, Serial0/0/0
       172.28.31.36/30 [110/128] via 172.28.31.34, 00:00:07, Serial0/0/0
0
                        [110/128] via 172.28.31.41, 00:00:07, Serial0/1/0
С
       172.28.31.40/30 is directly connected, Serial0/1/0
т.
       172.28.31.42/32 is directly connected, Serial0/1/0
С
       172.28.99.100/32 is directly connected, Loopback0
        172.28.99.101/32 [110/65] via 172.28.31.34, 00:00:07, Serial0/0/0
0
        172.28.99.102/32 [110/65] via 172.28.31.41, 00:00:07, Serial0/1/0
    180.1.0.0/16 is variably subnetted, 2 subnets, 2 masks
С
       180.1.2.144/28 is directly connected, Serial0/0/1
        180.1.2.146/32 is directly connected, Serial0/0/1
    192.168.30.0/24 is variably subnetted, 2 subnets, 2 masks
С
       192.168.30.0/24 is directly connected, FastEthernet0/1
        192.168.30.1/32 is directly connected, FastEthernet0/1
   0.0.0.0/0 [1/0] via 180.1.2.145
5*
CorpB(config) #int s0/1/0
CorpB(config-if) # ip ospf message-digest-key 1 md5 cisco
CorpB(config-if) # ip ospf authentication message-digest
CorpB(config-if) #int s0/0/0
CorpB(config-if) # ip ospf message-digest-key 1 md5 cisco
CorpB(config-if) # ip ospf authentication message-digest
CorpB(config-if)#
00:30:05: %OSPF-5-ADJCHG: Process 1, Nbr 172.28.99.101 on Serial0/0/0 from
LOADING to FULL, Loading Done
CorpB(config-if)#
00:30:07: %OSPF-5-ADJCHG: Process 1, Nbr 172.28.99.102 on SerialO/1/0 from
LOADING to FULL, Loading Done
CorpB-R1
Gateway of last resort is not set
     172.28.0.0/16 is variably subnetted, 8 subnets, 2 masks
        172.28.31.32/30 is directly connected, Serial0/0/0
        172.28.31.34/32 is directly connected, Serial0/0/0
т.
C
        172.28.31.36/30 is directly connected, Serial0/0/1
        172.28.31.37/32 is directly connected, Serial0/0/1
0
        172.28.31.40/30 [110/128] via 172.28.31.33, 00:03:42, Serial0/0/0
                        [110/128] via 172.28.31.38, 00:03:42, Serial0/0/1
O
        172.28.99.100/32 [110/65] via 172.28.31.33, 00:03:42, Serial0/0/0
С
        172.28.99.101/32 is directly connected, Loopback0
        172.28.99.102/32 [110/65] via 172.28.31.38, 00:09:21, Serial0/0/1
0
     192.168.30.0/24 [110/65] via 172.28.31.33, 00:03:42, Serial0/0/0
00:24:28: %OSPF-5-ADJCHG: Process 1, Nbr 172.28.99.102 on Serial0/0/1 from
LOADING to FULL, Loading Done
CorpB-R1(config-if)#
00:30:05: %OSPF-5-ADJCHG: Process 1, Nbr 172.28.99.100 on Serial0/0/0 from
LOADING to FULL, Loading Done
```

CorpB-R2

Gateway of last resort is not set

```
172.28.0.0/16 is variably subnetted, 8 subnets, 2 masks
       172.28.31.32/30 [110/128] via 172.28.31.37, 00:04:42, Serial0/0/1
                        [110/128] via 172.28.31.42, 00:04:42, Serial0/1/0
C
        172.28.31.36/30 is directly connected, Serial0/0/1
L
        172.28.31.38/32 is directly connected, Serial0/0/1
С
        172.28.31.40/30 is directly connected, Serial0/1/0
       172.28.31.41/32 is directly connected, Serial0/1/0
L
       172.28.99.100/32 [110/65] via 172.28.31.42, 00:04:42, Serial0/1/0
0
       172.28.99.101/32 [110/65] via 172.28.31.37, 00:10:21, Serial0/0/1
С
        172.28.99.102/32 is directly connected, Loopback0
    192.168.30.0/24 [110/65] via 172.28.31.42, 00:04:42, Serial0/1/0
CorpB-R2 (config) #int s0/1/0
CorpB-R2(config-if) # ip ospf message-digest-key 1 md5 cisco
CorpB-R2(config-if) # ip ospf authentication message-digest
CorpB-R2(config-if)#int s0/0/1
CorpB-R2(config-if) # ip ospf message-digest-key 1 md5 cisco
CorpB-R2(config-if) # ip ospf authentication message-digest
CorpB-R2(config-if)#
00:24:28: %OSPF-5-ADJCHG: Process 1, Nbr 172.28.99.101 on Serial0/0/1 from
LOADING to FULL, Loading Done
CorpB-R2(config-if)#
00:30:07: %OSPF-5-ADJCHG: Process 1, Nbr 172.28.99.100 on Serial0/1/0 from
LOADING to FULL, Loading Done
```

7. Default Routing Injection:

CorpB-R1

```
Gateway of last resort is 172.28.31.33 to network 0.0.0.0
     172.28.0.0/16 is variably subnetted, 8 subnets, 2 masks
С
       172.28.31.32/30 is directly connected, Serial0/0/0
       172.28.31.34/32 is directly connected, Serial0/0/0
С
       172.28.31.36/30 is directly connected, Serial0/0/1
       172.28.31.37/32 is directly connected, Serial0/0/1
т.
       172.28.31.40/30 [110/128] via 172.28.31.33, 00:07:40, Serial0/0/0
                        [110/128] via 172.28.31.38, 00:07:40, Serial0/0/1
       172.28.99.100/32 [110/65] via 172.28.31.33, 00:07:40, Serial0/0/0
0
       172.28.99.101/32 is directly connected, Loopback0
       172.28.99.102/32 [110/65] via 172.28.31.38, 00:13:19, Serial0/0/1
0
    192.168.30.0/24 [110/65] via 172.28.31.33, 00:07:40, Serial0/0/0
```

CorpB-R2

Gateway of last resort is 172.28.31.42 to network 0.0.0.0

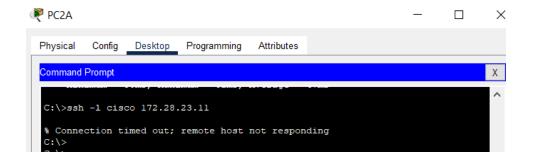
0*E2 0.0.0.0/0 [110/1] via 172.28.31.33, 00:00:01, Serial0/0/0

8. DMZ Access Control Lists:

```
CorpB(config-if) #do sh access-list
Standard IP access list 20
    10 deny host 192.168.30.100 (8 match(es))
    20 deny host 192.168.30.200 (4 match(es))
    30 permit any (16 match(es))
Standard IP access list 10
    10 permit host 172.28.30.10 (15 match(es))
    20 permit host 172.28.30.101 (8 match(es))
    30 permit host 172.28.30.102 (8 match(es))
    40 deny any
```

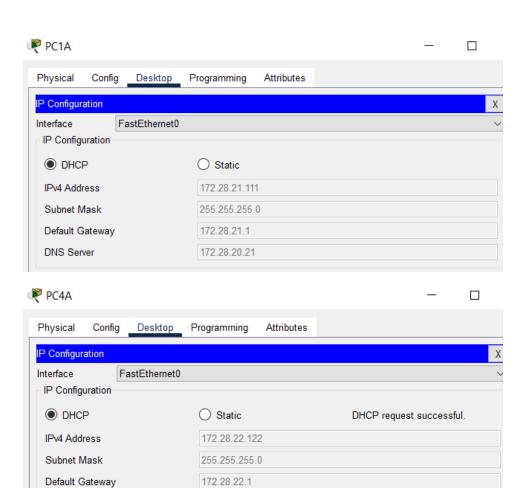
9. SSH:

```
C:\>ssh -1 cisco 172.28.30.10
Password:
 UNAUTHORIZED ACCESS STRICTLY PROHIBITED!!!
CorpB-Sw>
CorpB-Sw(config-if-range) #do sh ssh
Connection Version Mode Encryption Hmac State
                                                                Username
                                                         Session Started
               1.99 IN aes128-cbc hmac-shal
cisco
2
               1.99 OUT aes128-cbc
                                           hmac-shal Session Started
cisco
Extended IP access list SSH-ACL
     10 permit tcp host 172.28.21.111 any eq 22
     20 permit tcp host 172.28.22.121 any eq 22
     30 permit tcp host 172.28.30.102 any eq 22
     40 permit tcp host 172.28.40.101 any eq 22
     50 permit tcp any any eq 22
     60 deny tcp any any eq 22
№ PC3A
                                                             _ _
                                                                          X
 Physical Config Desktop Programming Attributes
  Command Prompt
  Pinging 172.28.30.10 with 32 bytes of data:
  Reply from 172.28.30.10: bytes=32 time=3ms TTL=252
  Reply from 172.28.30.10: bytes=32 time=45ms TTL=252
  Reply from 172.28.30.10: bytes=32 time=46ms TTL=252
  Reply from 172.28.30.10: bytes=32 time=50ms TTL=252
  Ping statistics for 172.28.30.10:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds:
     Minimum = 3ms, Maximum = 50ms, Average = 36ms
  C:\>ssh -1 172.28.21.1 Invalid Command.
  C:\>ssh -1 cisco 172.28.21.1
  % Login invalid
  Password:
  % Login invalid
  Password:
   UNAUTHORIZED ACCESS STRICTLY PROHIBITED!!!
  CorpA>
```



10. DHCP:

Subnet size (fi	ret/nevtl	: 0 / 0		
Total addresses		: 254		
Leased addresses		: 2		
Excluded addres		: 2		
Pending event		: none		
renaing evens		· none		
1 subnet is cur	_		/	,
Current index	IP addre	ss range	Leased/Excl	uaea/
Total	170 00 0			/ 05/
172.28.21.1	172.28.2	1.1 - 172.28.21.254	2 / 2	/ 254
Pool GREEN-DHCP-	-POOL :			
Utilization mar				
Subnet size (fi		: 0 / 0		
Total addresses		: 254		
Leased addresse	es .	: 2		
Excluded address	ses	: 2		
Pending event		: none		
l subnet is cur	rently in the	pool		
Current index	IP addre	ss range	Leased/Excl	uded/
Total				
172.28.22.1	172.28.2	2.1 - 172.28.22.254	2 / 2	/ 254
CorpA#sh ip dhcp	bind			
IP address	Client-ID/	Lease expirat	ion Type	
	Hardware addr	ess		
172.28.21.111	0040.0BB2.A2B	1	Auto	matic
172.28.21.112	0090.213E.8CD	1		matic
			Auto	matic matic
172.28.22.121	0002.4ABD.977	6	Auto: Auto:	
172.28.22.121 172.28.22.122	0002.4ABD.977 0000.0CC2.429	6	Auto: Auto:	matic
172.28.22.121	0002.4ABD.977 0000.0CC2.429	6	Auto: Auto:	matic
172.28.22.121 172.28.22.122	0002.4ABD.977 0000.0CC2.429	6	Auto: Auto:	matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhcp	0002.4ABD.977 0000.0CC2.429 pool	6 C	Auto: Auto:	matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhcp Pool BLUE-DHCP-F Utilization mar	0002.4ABD.977 0000.0CC2.429 pool POOL: k (high/low)	6 C : 100 / 0	Auto: Auto:	matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhcp Pool BLUE-DHCP-F	0002.4ABD.977 0000.0CC2.429 pool POOL: k (high/low)	6 C : 100 / 0	Auto: Auto:	matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhcp Pool BLUE-DHCP-F Utilization man Subnet size (fi	0002.4ABD.977 0000.0CC2.429 p pool POOL : ck (high/low) arst/next)	: 100 / 0 : 0 / 0	Auto: Auto:	matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhcp Pool BLUE-DHCP-F Utilization man Subnet size (fi Total addresses	0002.4ABD.977 0000.0CC2.429 popol POOL: ck (high/low) rrst/next)	: 100 / 0 : 0 / 0 : 254	Auto: Auto:	matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhcp Pool BLUE-DHCP-F Utilization mar Subnet size (fir Total addresses Leased addresses	0002.4ABD.977 0000.0CC2.429 popool POOL: ck (high/low) rrst/next)	: 100 / 0 : 0 / 0 : 254 : 2	Auto: Auto:	matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhop Pool BLUE-DHCP-F Utilization man Subnet size (fi Total addresses Leased addresses Excluded address Pending event	0002.4ABD.977 0000.0CC2.429 popool POOL: kk (high/low) Lrst/next)	: 100 / 0 : 0 / 0 : 254 : 2 : 2 : none	Auto: Auto:	matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhcp Pool BLUE-DHCP-I Utilization man Subnet size (fi Total addresses Leased addresses Excluded address Pending event 1 subnet is cur	0002.4ABD.977 0000.0CC2.429 pool POOL: (k (high/low) irst/next) sesses	: 100 / 0 : 0 / 0 : 254 : 2 : 2 : none	Auto	matic matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhcp Pool BLUE-DHCP-F Utilization man Subnet size (fi Total addresses Leased addresses Excluded address Excluded address Pending event 1 subnet is cur Current index Total	0002.4ABD.977 0000.0CC2.429 pool POOL: kk (high/low) irst/next) ses esses	: 100 / 0 : 0 / 0 : 254 : 2 : 2 : none	Auto: Auto: Auto: Leased/Exclu	matic matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhcp Pool BLUE-DHCP-F Utilization man Subnet size (fi Total addresses Leased addresses Excluded address Pending event 1 subnet is cur Current index Total	0002.4ABD.977 0000.0CC2.429 pool POOL: kk (high/low) irst/next) ses esses	: 100 / 0 : 0 / 0 : 254 : 2 : 2 : none	Auto: Auto: Auto: Leased/Exclu	matic matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhop Pool BLUE-DHCP-F Utilization man Subnet size (fi Total addresses Leased addresses Excluded address Pending event 1 subnet is cur Current index Total 172.28.21.1 Pool GREEN-DHCP-	0002.4ABD.977 0000.0CC2.429 o pool POOL: tk (high/low) trst/next) sses erently in the IP addre 172.28.2	6 C : 100 / 0 : 0 / 0 : 254 : 2 : 2 : none pool ss range 1.1 - 172.28.21.254	Auto: Auto: Auto: Leased/Exclu	matic matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhop Pool BLUE-DHCP-F Utilization man Subnet size (fi Total addresses Leased addresse Excluded address Pending event 1 subnet is cur Current index Total 172.28.21.1 Pool GREEN-DHCP-	0002.4ABD.977 0000.0CC2.429 o pool POOL: tk (high/low) trst/next) sses erently in the IP addre 172.28.2	6 C : 100 / 0 : 0 / 0 : 254 : 2 : 2 : none pool ss range 1.1 - 172.28.21.254	Auto: Auto: Auto: Leased/Exclu	matic matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhop Pool BLUE-DHCP-F Utilization man Subnet size (fi Total addresses Leased addresses Excluded address Pending event 1 subnet is cur Current index Total 172.28.21.1 Pool GREEN-DHCP- Utilization man	0002.4ABD.977 0000.0CC2.429 popol COOL: ck (high/low) crst/next) sses crently in the IP addre 172.28.2 POOL: ck (high/low)	6 C : 100 / 0 : 0 / 0 : 254 : 2 : 2 : none pool ss range 1.1 - 172.28.21.254 : 100 / 0	Auto: Auto: Auto: Leased/Exclu	matic matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhop Pool BLUE-DHCP-F Utilization man Subnet size (fi Total addresses Leased addresse Excluded address Pending event 1 subnet is cur Current index Total 172.28.21.1 Pool GREEN-DHCP-	0002.4ABD.977 0000.0CC2.429 pool pool: ck (high/low) rst/next) sses crently in the IP addre 172.28.2 POOL: ck (high/low) rst/next)	6 C : 100 / 0 : 0 / 0 : 254 : 2 : 2 : none pool ss range 1.1 - 172.28.21.254 : 100 / 0	Auto: Auto: Auto: Leased/Exclu	matic matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhop Pool BLUE-DHCP-F Utilization man Subnet size (fi Total addresses Leased addresse Excluded address Pending event 1 subnet is cur Current index Total 172.28.21.1 Pool GREEN-DHCP- Utilization man Subnet size (fi	0002.4ABD.977 0000.0CC2.429 pool pool: ck (high/low) rst/next) sses crently in the IP addre 172.28.2 POOL: ck (high/low) irst/next)	6 C : 100 / 0 : 0 / 0 : 254 : 2 : 2 : none pool ss range 1.1 - 172.28.21.254 : 100 / 0 : 0 / 0	Auto: Auto: Auto: Leased/Exclu	matic matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhop Pool BLUE-DHCP-F Utilization man Subnet size (fi Total addresses Leased addresse Excluded address Pending event 1 subnet is cur Current index Total 172.28.21.1 Pool GREEN-DHCP- Utilization man Subnet size (fi Total addresses Leased addresses Leased addresses	0002.4ABD.977 0000.0CC2.429 pool COOL: (k (high/low) Lrst/next) ses crently in the IP addre 172.28.2 POOL: (k (high/low) Lrst/next) ses	6 C : 100 / 0 : 0 / 0 : 254 : 2 : 2 : none pool ss range 1.1 - 172.28.21.254 : 100 / 0 : 0 / 0 : 254	Auto: Auto: Auto: Leased/Exclu	matic matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhop Pool BLUE-DHCP-F Utilization man Subnet size (fi Total addresses Leased addresses Excluded address Pending event 1 subnet is cur Current index Total 172.28.21.1 Pool GREEN-DHCP- Utilization man Subnet size (fi Total addresses	0002.4ABD.977 0000.0CC2.429 pool COOL: (k (high/low) Lrst/next) ses crently in the IP addre 172.28.2 POOL: (k (high/low) Lrst/next) ses	6 C : 100 / 0 : 0 / 0 : 254 : 2 : 2 : none pool ss range 1.1 - 172.28.21.254 : 100 / 0 : 0 / 0 : 254 : 2	Auto: Auto: Auto: Leased/Exclu	matic matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhop Pool BLUE-DHCP-F Utilization man Subnet size (fi Total addresse Leased addresse Excluded addres Pending event 1 subnet is cur Current index Total 172.28.21.1 Pool GREEN-DHCP- Utilization man Subnet size (fi Total addresse Leased addresse Excluded addresse Excluded addresse Excluded addresse Excluded addresse Pending event	0002.4ABD.977 0000.0CC2.429 pool COOL: (k (high/low) Arst/next) Sesses Crently in the IP addre 172.28.2 POOL: (k (high/low) Arst/next) Sesses Sesses	6 C : 100 / 0 : 0 / 0 : 254 : 2 : 2 : none pool ss range 1.1 - 172.28.21.254 : 100 / 0 : 0 / 0 : 254 : 2 : none	Auto: Auto: Auto: Leased/Exclu	matic matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhop Pool BLUE-DHCP-F Utilization man Subnet size (fi Total addresses Leased addresses Excluded address Pending event 1 subnet is cur Current index Total 172.28.21.1 Pool GREEN-DHCP- Utilization man Subnet size (fi Total addresses Leased addresses Leased addresses Leased addresses Excluded addresses Excluded addresses Pending event 1 subnet is cur	0002.4ABD.977 0000.0CC2.429 pool COOL: ck (high/low) crst/next) ses crently in the	6 C C C C C C C	Autor Autor Autor Leased/Exclu 2 / 2	matic matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhop Pool BLUE-DHCP-F Utilization man Subnet size (fi Total addresses Leased addresses Excluded address Pending event 1 subnet is cur Current index Total 172.28.21.1 Pool GREEN-DHCP- Utilization man Subnet size (fi Total addresses Leased addresses Leased addresses Excluded address Excluded address Excluded address Excluded address Pending event 1 subnet is cur Current index	0002.4ABD.977 0000.0CC2.429 pool COOL: ck (high/low) crst/next) ses crently in the	6 C C C C C C C	Auto: Auto: Auto: Leased/Exclu	matic matic
172.28.22.121 172.28.22.122 CorpA#sh ip dhop Pool BLUE-DHCP-F Utilization man Subnet size (fi Total addresses Leased addresses Excluded address Pending event 1 subnet is cur Current index Total 172.28.21.1 Pool GREEN-DHCP- Utilization man Subnet size (fi Total addresses Leased addresses Leased addresses Leased addresses Excluded addresses Excluded addresses Pending event 1 subnet is cur	0002.4ABD.977 0000.0CC2.429 pool COOL: ck (high/low) rrst/next) sess crently in the	6 C C C C C C C	Autor Autor Autor Autor Autor Autor Leased/Exclu	matic matic aded/ / 254



172.28.20.21

DNS Server

11. DNS:

	No.	Name	Туре	Detail
0		corpb-ftp-server.inetsec-corpa.local	A Record	192.168.30.200
1		corp-server	CNAME	corp-server.inetsec-corpa.local
2		corp-server.inetsec-corpa.local	A Record	172.28.20.21
3		corpa	CNAME	corpa.inetsec-corpa.local
4		corpa-sw.inetsec-corpa.local	A Record	172.28.23.10
5		corpa-sw1.inetsec-corpa.local	A Record	172.28.23.11
6		corpa-sw2.inetsec-corpa.local	A Record	172.28.23.12
7		corpa.inetsec-corpa.local	A Record	172.28.23.1
8		corpb-dmz	CNAME	corpb-dmz.inetsec-corpa.local
9		corpb-dmz.inetsec-corpa.local	A Record	192.168.30.10
10		corpb-ftp-server	CNAME	corpb-ftp-server.inetsec-corpa.local
11		corpb-http-server.inetsec-corpa.local	A Record	192.168.30.100
12		corpb-r1.inetsec-corpa.local	A Record	172.28.99.101
13		corpb-r2.inetsec-corpa.local	A Record	172.28.99.102
14		corpb-sw.inetsec-corpa.local	A Record	172.28.30.10
15		corpc.inetsec-corpa.local	A Record	172.28.40.1
16		corpb.inetsec-corpa.local	A Record	172.28.99.100
16		corpb.inetsec-corpa.local	A Record	172.28.99.100
17		corpc-sw.inetsec-corpa.local	A Record	172.28.40.10
18		isp-http-server.inetsec-corpa.local	A Record	180.1.2.85
19		isp.inetsec-corpa.local	A Record	180.1.2.81
20		pc1a	CNAME	pc1a.inetsec-corpa.local
21		pc1a.inetsec-corpa.local	A Record	172.28.21.111
22		pc1b.inetsec-corpa.local	A Record	172.28.30.101
23		pc1c.inetsec-corpa.local	A Record	172.28.40.101
24		pc2a.inetsec-corpa.local	A Record	172.28.22.121
25		pc2b.inetsec-corpa.local	A Record	172.28.30.102
26		pc2c.inetsec-corpa.local	A Record	172.28.40.102
27		pc3a.inetsec-corpa.local	A Record	172.28.21.112
28		pc4a.inetsec-corpa.local	A Record	172.28.22.122
1				

12. PAT:

```
CorpA(config) #do sh ip nat stat
Total translations: 0 (0 static, 0 dynamic, 0 extended)
Outside Interfaces: Serial0/0/0
Inside Interfaces: FastEthernet0/0 , FastEthernet0/1
Hits: 0 Misses: 20
Expired translations: 0
Dynamic mappings:
-- Inside Source
access-list 90 pool GLOBAL refCount 0
pool GLOBAL: netmask 255.255.255.224
       start 197.197.197.1 end 197.197.197.20
       type generic, total addresses 20 , allocated 0 (0%), misses 0
CorpB(config-if) #do sh ip nat tran
Pro Inside global Inside local
                                      Outside local Outside global
--- 155.21.21.10
                    192.168.30.100
CorpB(config-if) #do sh ip nat tran
Pro Inside global Inside local Outside local Outside global --- 155.21.21.10 192.168.30.100 --- ---
```

Despite following the commands what I think was perfectly I can never seem to get NAT and PAT t actually work for me, I think it actually broke some of my topology and that's annoying. I've spent way too long researching this and it makes no sense why it isn't working. I even tried removing it and it said the pool was in use and I can't remove it, but yet nothing still shows up. I tried changing the address pool, removing it and adding it back, reading the running-config file a million times, and even watching youtube videos on repeat of how to do this, and nothing has worked.

13. HTTP Server Static NAT:

```
CorpB(config-if) #do sh ip nat tran

Pro Inside global Inside local Outside local Outside global
--- 155.21.21.10 192.168.30.100 ---

CorpB(config-if) #do sh ip nat tran

Pro Inside global Inside local Outside local Outside global
--- 155.21.21.10 192.168.30.100 ---
```

PCA1

```
C:\>ping 192.168.30.100

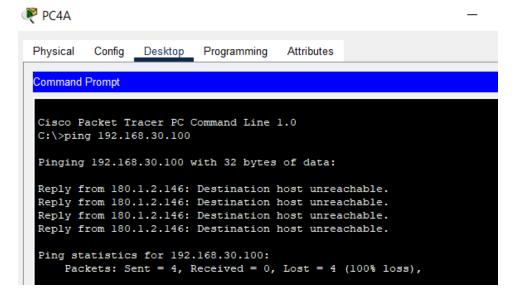
Pinging 192.168.30.100 with 32 bytes of data:

Reply from 180.1.2.146: Destination host unreachable.

Ping statistics for 192.168.30.100:

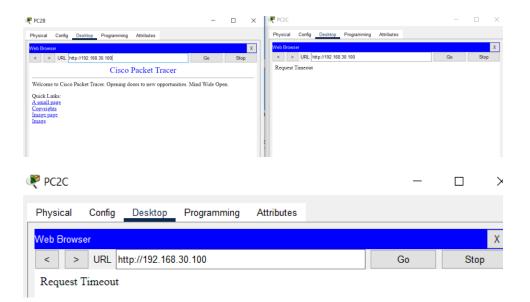
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

PC4A



Extended IP access list HTP-SERVER

- 10 permit tcp 0.0.0.0 255.255.255.0 any eq www
- 20 permit tcp 0.0.0.10 255.255.255.0 any eq www
- 30 deny tcp any any eq www



14. FTP Server Static NAT:

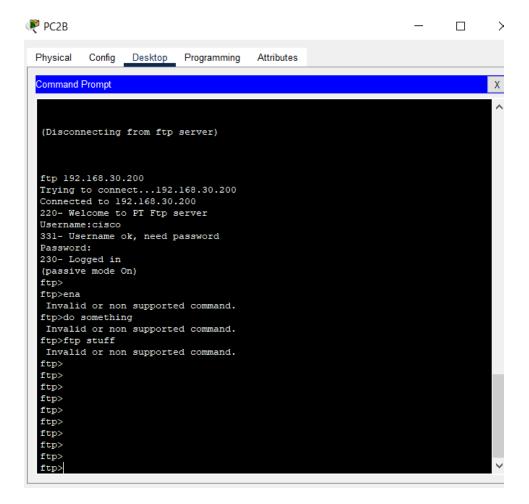
Expired translations: 0
Dynamic mappings:
-- Inside Source

access-list 90 pool GLOBAL refCount 0 pool GLOBAL: netmask 255.255.255.224

start 197.197.196.1 end 197.197.196.20

type generic, total addresses 20 , allocated 0 (0%), misses 0

```
Extended IP access list FTP-SERVER
     10 permit tcp 0.0.0.0 255.255.255.0 any eq ftp
     20 permit tcp 0.0.0.10 255.255.255.0 any eq ftp
     30 deny tcp any any eq ftp
PC1A
                                                                   X
  Physical
          Config Desktop Programming
                                    Attributes
  Command Prompt
  C:\>ping 192.168.30.100
  Pinging 192.168.30.100 with 32 bytes of data:
  Reply from 180.1.2.146: Destination host unreachable.
  Ping statistics for 192.168.30.100:
      Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
  C:\>fyp 192.168.30.1
Invalid Command.
  C:\>fyp 192.168.30.200
  Invalid Command.
  C:\>ftp 192.168.30.200
  Trying to connect...192.168.30.200
  %Error opening ftp://192.168.30.200/ (Timed out)
   (Disconnecting from ftp server)
CorpB(config-if) #do sh ip nat trans
Pro Inside global Inside local
                                        Outside local
                                                            Outside global
--- 155.21.21.10
                      192.168.30.100
                                         ---
--- 155.21.21.20
                      192.168.30.200
CorpB(config-if) #do sh ip nat sta
Total translations: 2 (2 static, 0 dynamic, 0 extended)
Outside Interfaces: Serial0/0/1
Inside Interfaces: FastEthernet0/0 , Serial0/0/0 , Serial0/1/0
Hits: 0 Misses: 183
```



15. Primitive Firewall:

Ping statistics for 172.28.40.101:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

```
Standard IP access list 40
    10 permit 172.28.20.0 0.0.3.255 (16 match(es)
    20 deny any
CorpC(config) #do sh ip access
Standard IP access list 50
     10 deny 180.1.0.0 0.0.3.255 (7 match(es))
     20 permit any (4 match(es))

♥ ISP-HTTP-Server

                                                                        Physical
                                               Attributes
         Config
                  Services
                          Desktop Programming
  Command Prompt
  Request timed out.
  Reply from 180.1.2.130: Destination host unreachable.
  Request timed out.
  Ping statistics for 172.28.40.101:
      Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
  C:\>ping 172.28.40.101
  Pinging 172.28.40.101 with 32 bytes of data:
  Reply from 180.1.2.130: Destination host unreachable.
  Reply from 180.1.2.162: Destination host unreachable.
  Reply from 180.1.2.130: Destination host unreachable.
  Reply from 180.1.2.162: Destination host unreachable.
  Ping statistics for 172.28.40.101:
      Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
  C:\>ping 172.28.40.101
  Pinging 172.28.40.101 with 32 bytes of data:
  Reply from 180.1.2.130: Destination host unreachable.
  Reply from 180.1.2.162: Destination host unreachable.
  Reply from 180.1.2.130: Destination host unreachable.
  Reply from 180.1.2.162: Destination host unreachable.
```

16. Zone-Based Firewall:

```
CorpB#sh policy-map type inspect zone-pair sessions

policy exists on zp TO-OUTSIDE-PMAP

Zone-pair: TO-OUTSIDE-PMAP

Service-policy inspect : TO-OUTSIDE-PMAP

Class-map: IN-CORPB-CLASS-MAP (match-all)
    Match: access-group 101
    Inspect

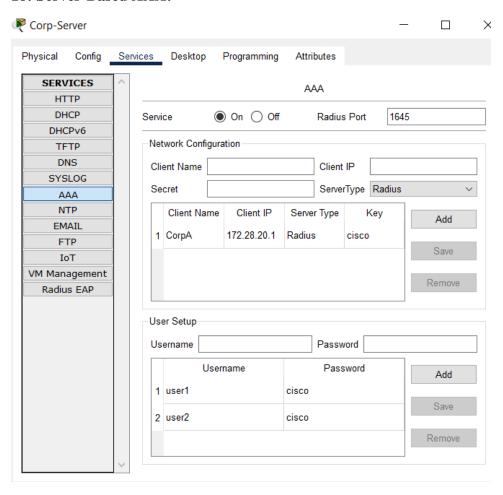
Class-map: class-default (match-any)
    Match: any
    Drop (default action)
    O packets, 0 bytes
```

I really thought I was better at this but somewhere along the line all connectivity broke down. Nothing can go through the CorpB router and no matter what I try to do to fix it it doesn't want to work. I have tried removing every ACL, every NAT/PAT pool and for some reason tracert shows it just stopping at CorpB.

17: Local AAA:

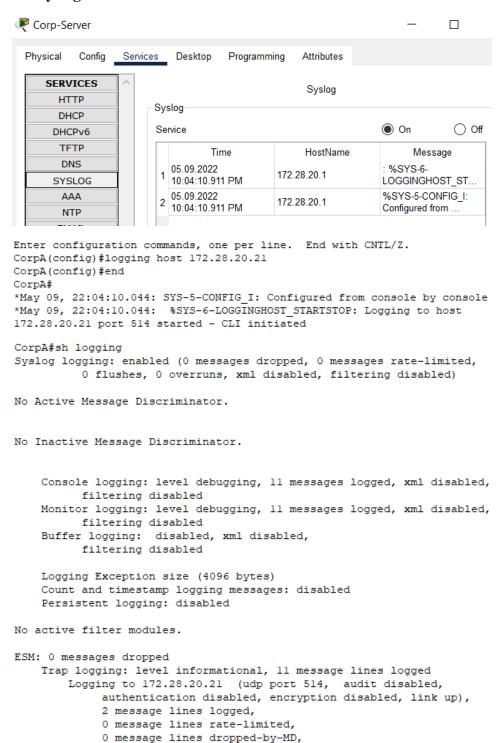
```
UNAUTHORIZED ACCESS STRICTLY PROHIBITED!!!
User Access Verification
Username: userl
Password:
CorpC>
CorpC#show aaa sessions
Total sessions since last reload: 1
Session Id:1
           Unique Id:1
           User Name:userl
          IP Address:0.0.0.0
          Idle Time: 0
           CT Call Handle: 0
User Access Verification
Username: user2
Password:
CorpC>ena
Password:
CorpC#sh privilege
Current privilege level is 15
CorpC#
 UNAUTHORIZED ACCESS STRICTLY PROHIBITED!!!
User Access Verification
Username: userl
Password:
CorpC>sh privile
Current privilege level is 1
```

18: Server-Based AAA:

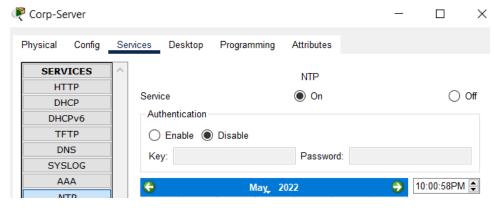


```
Unique id 4 is currently in use.
Accounting:
log=0x18001
Events recorded:
          CALL START
          INTERIM START
          INTERIM STOP
update method(s):
          NONE
update interval = 0
Outstanding Stop Records: 0
Dynamic attribute list:
          47B2AC48 0 00000001 connect-progress(52) 4 Term Serv Auth
          47B2AC58 0 00000001 pre-session-time(268) 4 814(32E)
         47B2AC68 0 00000001 elapsed time(338) 4 0(0)
          47B2AC78 0 00000001 pre-bytes-in(264) 4 0(0)
          47B2AC88 0 00000001 pre-bytes-out(265) 4 0(0)
          47B2AC98 0 00000001 pre-paks-in(266) 4 0(0)
          47B2ACA8 0 00000001 pre-paks-out(267) 4 0(0)
          No data for type EXEC
          No data for type CONN
          NET: Username=(n/a)
                   Session Id=000004 Unique Id=000006
                    Start Sent=0 Stop Only=N
                    stop has been sent=N
                   Method List=0
                   Attribute list:
          47B2AC48 0 00000001 session-id(336) 4 6(6)
```

19: Syslog:



20. NTP:



CorpA#sh clock detail *0:27:22.661 UTC Mon Mar 1 1993 Time source is hardware calendar CorpA#sh clock detail 22:0:46.652 UTC Mon May 9 2022 Time source is NTP

CorpA#

*May 09, 22:02:43.022: SYS-5-CONFIG_I: Configured from console by console CorpA#sh ntp status
Clock is synchronized, stratum 2, reference is 172.28.20.21
nominal freq is 250.0000 Hz, actual freq is 249.9990 Hz, precision is 2**24
reference time is E5FC80DF.00000394 (22:2:7.916 UTC Mon May 9 2022)

clock offset is 0.00 msec, root delay is 1.00 msec root dispersion is 10.57 msec, peer dispersion is 0.12 msec. loopfilter state is 'CTRL' (Normal Controlled Loop), drift is - 0.000001193 s/s system poll interval is 4, last update was 7 sec ago.

21. InterVLAN Routing:

20	PURPLE	active
21	BLUE	active
22	GREEN	active
23	NetMgmt	active
1002	fddi-default	active
1003	token-ring-default	active
1004	fddinet-default	active
1005	trnet-default	active
Corp	A-Sw(config-vlan)#	

Corpa-Sw	(conrig-vian);	F
----------	----------------	---

CorpA-Sw#sh	int trunk			
Port	Mode	Encapsulation	Status	Native vlan
Fa0/1	on	802.1q	trunking	23
Fa0/11	on	802.1q	trunking	23
Fa0/12	on	802.1q	trunking	23
Port	Vlans allowed	d on trunk		
Fa0/1	20-23			
Fa0/11	20-23			
Fa0/12	20-23			
Port	Vlans allowed	d and active in	management dor	main
Fa0/1	20,21,22,23			
Fa0/11	20,21,22,23			
Fa0/12	20,21,22,23			
Port	Vlans in spar	nning tree forwa	arding state an	nd not pruned
Fa0/1	20,21,22,23			
Fa0/11	20,21,22,23			
Fa0/12	20,21,22,23			

22. IPSec VPN:

```
Crypto map tag: VPN-MAP, local addr 180.1.2.130
protected vrf: (none)
local ident (addr/mask/prot/port): (172.28.20.0/255.255.255.0/0/0)
remote ident (addr/mask/prot/port): (172.28.40.0/255.255.255.0/0/0)
current peer 180.1.2.162 port 500
PERMIT, flags={origin is acl,}
#pkts encaps: 0, #pkts encrypt: 0, #pkts digest: 0
#pkts decaps: 0, #pkts decrypt: 0, #pkts verify: 0
#pkts compressed: 0, #pkts decompressed: 0
#pkts not compressed: 0, #pkts compr. failed: 0
#pkts not decompressed: 0, #pkts decompress failed: 0
#send errors 0, #recv errors 0
 local crypto endpt.: 180.1.2.130, remote crypto endpt.:180.1.2.162
  path mtu 1500, ip mtu 1500, ip mtu idb Serial0/0/0
  current outbound spi: 0x0(0)
  inbound esp sas:
  inbound ah sas:
  inbound pcp sas:
  outbound esp sas:
  outbound ah sas:
  outbound pcp sas:
```

I am 100 percent certain that I configured this correctly but, somehow I broke my connectivity and I still don't know how. Nothing I do can fix and I would contemplate starting over completely but I am too far in. Even with the removal of my acls and making new ones to replace them nothing wants to work.

23. VTP:

CorpA-Sw

: 1 to 2 VTP Version capable VTP version running : 1 VTP Domain Name : INETSEC VTP Pruning Mode : Disabled VTP Traps Generation : Disabled Device ID : 0000.0CE5.7400 Configuration last modified by 0.0.0.0 at 3-1-93 00:20:16 Local updater ID is 172.28.23.10 on interface V123 (lowest numbered VLAN interface found) Feature VLAN : VTP Operating Mode : Server Maximum VLANs supported locally : 255 Number of existing VLANs : 9 : 9 Configuration Revision

MD5 digest : 0x2D 0x9D 0xA7 0x66 0x09 0x94 0x97 0x3B 0xD4 0x90 0xDD 0xFE 0xCl 0x08 0xC6 0xFE

CorpA-Sw1

CorpA-Swl#sh vtp status VTP Version capable : 1 to 2 VTP version running : 1 VTP Domain Name VTP Pruning Mode : INETSEC : Disabled VTP Pruning mode
VTP Traps Generation : Disabled : 0002.1763.8700 Configuration last modified by 0.0.0.0 at 3-1-93 00:20:16 Feature VLAN : VTP Operating Mode : Client Maximum VLANs supported locally : 255 Number of existing VLANs : 9
Configuration Revision : 9 MD5 digest : 0x2D 0x9D 0xA7 0x66 0x09 0x94 0x97 0x3B 0xD4 0x90 0xDD 0xFE 0xCl 0x08 0xC6 0xFE

CorpA-Sw2

CorpA-Sw2 (config) #end CorpA-Sw2# %SYS-5-CONFIG_I: Configured from console by console CorpA-Sw2#sh vtp status VTP Version capable : 1 to 2 VTP version running : 1 : INETSEC VTP Domain Name : Disabled VTP Pruning Mode VTP Traps Generation : Disabled : 00E0.F984.1100 Configuration last modified by 0.0.0.0 at 3-1-93 00:20:16 Feature VLAN : VTP Operating Mode : Client Maximum VLANs supported locally : 255 : 9 Number of existing VLANs Configuration Revision : 9 MD5 digest : 0x2D 0x9D 0xA7 0x66 0x09 0x94 0x97 0x3B

0xD4 0x90 0xDD 0xFE 0xCl 0x08 0xC6 0xFE

24. Layer2 Interface Security Mitigation Techniques:

```
CorpA-Swl#sh spanning-tree su
Switch is in pvst mode
Root bridge for: default PURPLE BLUE GREEN
Extended system ID is enabled
Portfast Default
                            is disabled
PortFast BPDU Guard Default is enabled
Portfast BPDU Filter Default is disabled
Loopguard Default
                             is disabled
CorpA-Sw(config) #do sh spanning-tree sum
Switch is in pvst mode
Root bridge for: NetMgmt
Extended system ID
                           is enabled
Portfast Default
                            is disabled
PortFast BPDU Guard Default is enabled
Portfast BPDU Filter Default is disabled
Loopguard Default
                            is disabled
CorpA-Swl#sh port-security int f0/11
Port Security : Enabled
Port Status
                          : Secure-up
Violation Mode
                          : Shutdown
Aging Time
                          : 0 mins
                          : Absolute
Aging Type
SecureStatic Address Aging : Disabled
Maximum MAC Addresses : 3
Total MAC Addresses
Configured MAC Addresses : 0
Sticky MAC Addresses : 1
Last Source Address:Vlan : 0040.0BB2.A2B1:21
Security Violation Count : 0
CorpA-Swl#sh port-security address
         Secure Mac Address Table
Vlan Mac Address Type
                                         Ports Remaining Age
                                                 (mins)
21 0040.0BB2.A2B1 SecureSticky
22 0002.4ABD.9776 SecureSticky
                                          Fa0/11
                                          Fa0/12
Total Addresses in System (excluding one mac per port) : 0
```

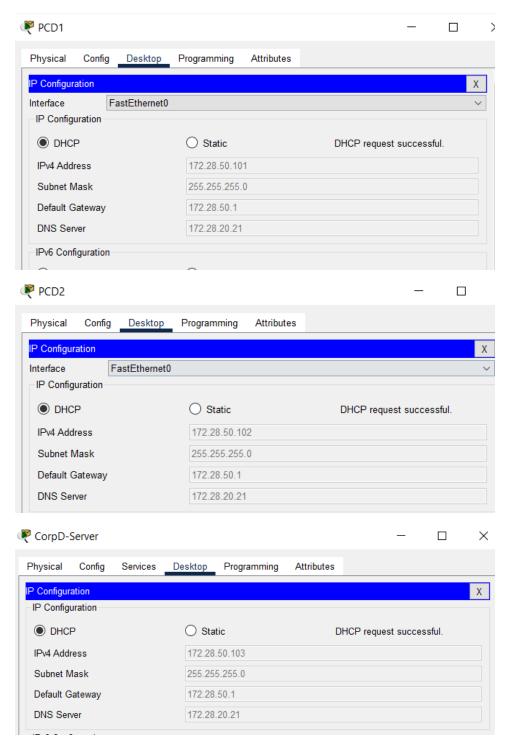
Max Addresses limit in System (excluding one mac per port) : 1024

25. Other Protocols:

CorpA(config) #do sh ip int brie
Protocol FastEthernet0/0 unassigned YES unset up up FastEthernet0/0.20 172.28.20.1 YES manual up up FastEthernet0/0.21 172.28.21.1 YES manual up up
FastEthernet0/0 unassigned YES unset up up FastEthernet0/0.20 172.28.20.1 YES manual up up FastEthernet0/0.21 172.28.21.1 YES manual up up
FastEthernet0/0.20 172.28.20.1 YES manual up up FastEthernet0/0.21 172.28.21.1 YES manual up up
FastEthernet0/0.21 172.28.21.1 YES manual up up
FastEthernet0/0.22 172.28.22.1 YES manual up up
FastEthernet0/0.23 172.28.23.1 YES manual up up
FastEthernet0/1 unassigned YES unset administratively down down
Serial0/0/0 180.1.2.130 YES manual up up
Serial0/0/1 unassigned YES unset administratively down down
Serial0/1/0 unassigned YES unset administratively down down
Serial0/1/1 unassigned YES unset administratively down down
Vlanl unassigned YES unset administratively down down
CorpA-Sw(config-if-range)#do sh ip int brief
Interface IP-Address OK? Method Status
Protocol
FastEthernet0/1 unassigned YES manual up up
FastEthernet0/2 unassigned YES manual administratively down down
FastEthernet0/3 unassigned YES manual administratively down down
FastEthernet0/4 unassigned YES manual administratively down down
FastEthernet0/5 unassigned YES manual administratively down down
FastEthernet0/6 unassigned YES manual administratively down down
FastEthernet0/7 unassigned YES manual administratively down down
FastEthernet0/8 unassigned YES manual administratively down down
FastEthernet0/9 unassigned YES manual administratively down down
FastEthernet0/10 unassigned YES manual administratively down down
FastEthernet0/11 unassigned YES manual up up
FastEthernet0/12 unassigned YES manual up up
FastEthernet0/13 unassigned YES manual administratively down down
FastEthernet0/14 unassigned YES manual administratively down down
FastEthernet0/15 unassigned YES manual administratively down down
FastEthernet0/16 unassigned YES manual administratively down down
FastEthernet0/17 unassigned YES manual administratively down down
FastEthernet0/18 unassigned YES manual administratively down down
FastEthernet0/19 unassigned YES manual administratively down down
FastEthernet0/20 unassigned YES manual up up
FastEthernet0/21 unassigned YES manual administratively down down
FastEthernet0/22 unassigned YES manual administratively down down
FastEthernet0/23 unassigned YES manual administratively down down
FastEthernet0/24 unassigned YES manual administratively down down
GigabitEthernet0/1 unassigned YES manual administratively down down
GigabitEthernet0/2 unassigned YES manual administratively down down
Vlanl unassigned YES manual administratively down down

Protocol FastEthernet0/1						
FastEthernet0/1						
	unassigned	YES	manual	up		up
FastEthernet0/2	unassigned	YES	manual	${\tt administratively}$	down	down
FastEthernet0/3	unassigned	YES	manual	${\tt administratively}$	down	down
FastEthernet0/4	unassigned	YES	manual	administratively	down	down
FastEthernet0/5	unassigned	YES	manual	administratively	down	down
FastEthernet0/6	unassigned	YES	manual	administratively	down	down
FastEthernet0/7	unassigned	YES	manual	administratively	down	down
FastEthernet0/8	unassigned	YES	manual	administratively	down	down
FastEthernet0/9	unassigned	YES	manual	administratively	down	down
FastEthernet0/10	unassigned	YES	manual	administratively	down	down
FastEthernet0/11	unassigned	YES	manual	up		up
FastEthernet0/12	unassigned	YES	manual	up		up
FastEthernet0/13	unassigned	YES	manual	administratively	down	down
FastEthernet0/14	unassigned	YES	manual	administratively	down	down
FastEthernet0/15	unassigned	YES	manual	administratively	down	down
FastEthernet0/16	unassigned	YES	manual	administratively	down	down
FastEthernet0/17	unassigned	YES	manual	administratively	down	down
FastEthernet0/18	unassigned	YES	manual	administratively	down	down
FastEthernet0/19	unassigned	YES	manual	administratively	down	down
FastEthernet0/20	unassigned	YES	manual	administratively	down	down
FastEthernet0/21	unassigned	YES	manual	administratively	down	down
FastEthernet0/22	unassigned	YES	manual	administratively	down	down
FastEthernet0/23	unassigned	YES	manual	administratively	down	down
FastEthernet0/24	unassigned	YES	manual	administratively	down	down
GigabitEthernet0/1	unassigned	YES	manual	administratively	down	down
GigabitEthernet0/2	unassigned	YES	manual	administratively	down	down
Vlanl	unassigned	YES	manual	administratively	down	down
Vlan30	172.28.30.10	YES	manual	up		up
CorpB-Sw(config-if-rang	ge) #					

26: ASA:



Standard IP access list 75

10 permit 172.28.50.0 0.0.0.255

20 deny any