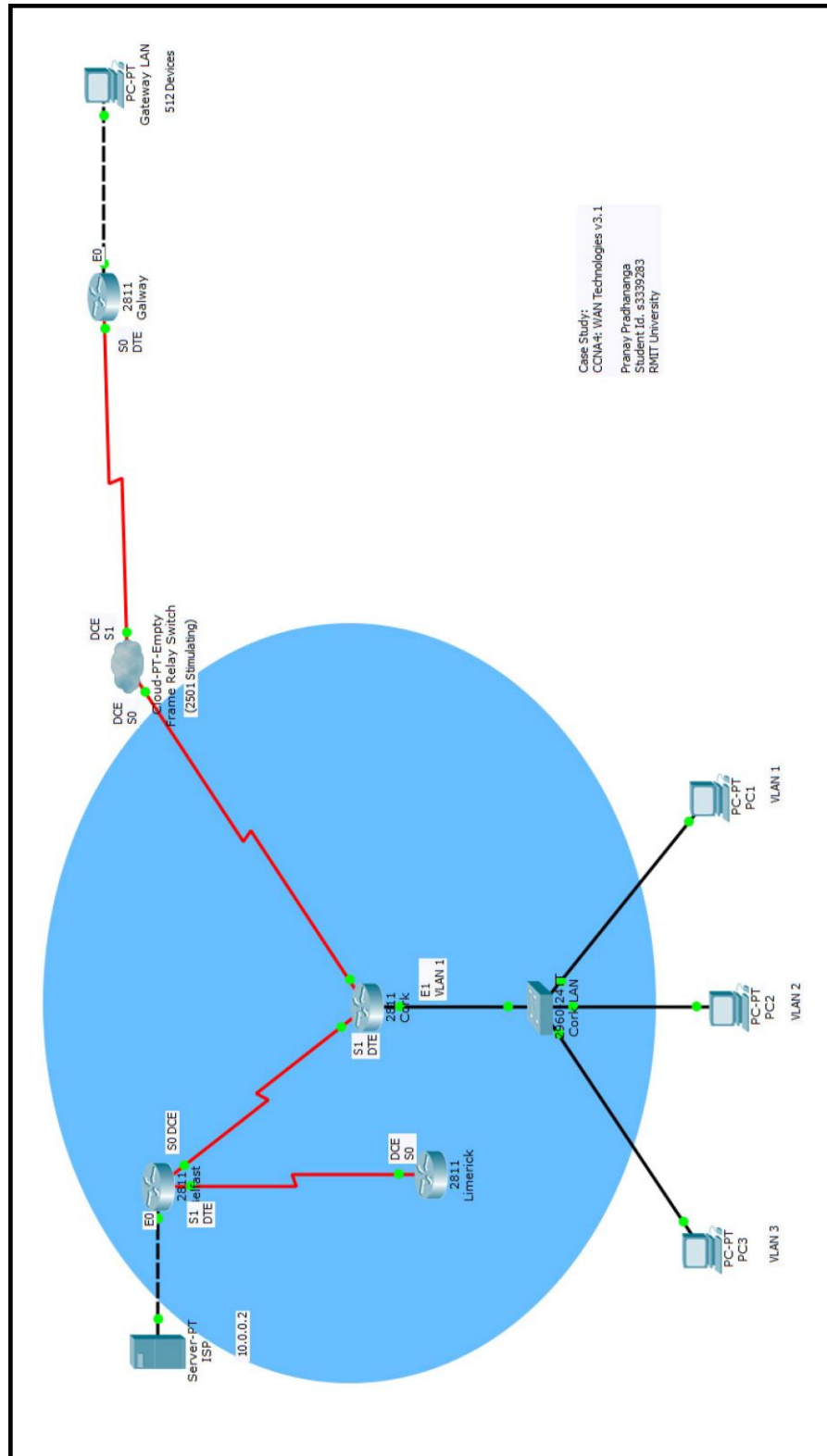


CCNA Case Study

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Case Study Deliverables

Name	Interface	IP Address	Subnet Mask
Limerick S0	Serial 0/0/0	172.16.6.1	255.255.255.252
Cork E1	Fa 0/0	172.16.0.1	255.255.252.0
Cork S0	Serial 0/0/0	172.16.6.9	255.255.255.252
Cork S1	Serial 0/0/1	172.16.6.6	255.255.255.252
Galway E0	Fa 0/0	172.16.4.1	255.255.254.0
Galway S0	Serial 0/0/1	172.16.6.10	255.255.255.252
Belfast E0	Fa 0/0	10.0.0.1	255.0.0.0
Belfast S0	Serial 0/0/0	172.16.6.5	255.255.255.252
Belfast S1	Serial 0/0/1	172.16.6.2	255.255.255.252
Name	Address Pool	Subnet	
Galway DHCP Pool	172.16.4.0	255.255.254.0	
Cork LAN	172.16.0.0	255.25.252.0	
Item	Configured Values		
Belfast: Name of NAT Pool	NAT_POOL1		
Belfast: ACL Number	1		
ACL Number for ACL Filtering Galway LAN Traffic	110		
Router for ACL Filtering Galway LAN Traffic	Galway		
Configured Port for ACL Filtering Galway LAN Traffic	E0		
Configured Direction for ACL Filtering Galway LAN Traffic	inbound		
ISP Server IP Address	10.0.0.2		
ISP Server Subnet Mask	255.0.0.0		
ISP Server Default Gateway	10.0.0.1		
Filename of webpage on ISP Server	\\index.html		

IOS configuration:

BELFAST:

Current configuration : 1108 bytes

```

!
version 12.4
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Belfast
!
!
!
enable secret 5 $1$mERr$9cTjUIEqNGurQiFU.ZeCi1
!
!
!
!
!
!
!
!
!
no ip domain-lookup
!
!
spanning-tree mode pvst
!
!
!
!
interface FastEthernet0/0
 ip address 10.0.0.1 255.0.0.0
 ip nat outside
 duplex auto
 speed auto
!
interface FastEthernet0/1
 no ip address
 duplex auto
 speed auto
 shutdown
!
interface Serial0/0/0
 ip address 172.16.6.5 255.255.255.252
 ip nat inside
 clock rate 64000
!

```

```
interface Serial0/0/1
  ip address 172.16.6.2 255.255.255.252
!
interface Vlan1
  no ip address
  shutdown
!
router ospf 1
  log-adjacency-changes
  network 10.0.0.0 0.255.255.255 area 0
  network 172.16.6.4 0.0.0.3 area 0
  network 172.16.6.0 0.0.0.3 area 0
!
ip nat pool NAT_POOL_1 192.168.1.6 192.168.1.6 netmask 255.255.255.252
ip nat inside source list 1 pool NAT_POOL_1
ip classless
!
!
access-list 1 permit 172.16.0.0 0.0.255.255
!
!
!
!
!
line con 0
  password cisco
  login
line vty 0 4
  password cisco
  login
line vty 5 15
  password cisco
  login
!
!
!
end
```

LIMERICK

Building configuration...

Current configuration : 845 bytes

```

!
version 12.4
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Limerick
!
!
!
enable secret 5 $1$mERr$9cTjUIEqNGurQiFU.ZeCi1
!
!
!
!
!
!
!
!
!
no ip domain-lookup
!
!
spanning-tree mode pvst
!
!
!
!
interface FastEthernet0/0
  no ip address
  duplex auto
  speed auto
  shutdown
!
interface FastEthernet0/1
  no ip address
  duplex auto
  speed auto
  shutdown
!
interface Serial0/0/0
  ip address 172.16.6.1 255.255.255.252
  clock rate 64000
!
interface Serial0/0/1

```

```
no ip address
clock rate 2000000
shutdown
!
interface Vlan1
no ip address
shutdown
!
router ospf 1
log-adjacency-changes
network 172.16.6.0 0.0.0.3 area 0
!
ip classless
!
!
!
!
!
!
!
line con 0
password cisco
login
line vty 0 4
password cisco
login
line vty 5 15
password cisco
login
!
!
!
end
```

```

CORK
Current configuration : 1136 bytes
!
version 12.4
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Cork
!
!
!
enable secret 5 $1$mERr$9cTjUIEqNGurQiFU.ZeCi1
!
!
!
!
!
!
!
!
!
no ip domain-lookup
!
!
spanning-tree mode pvst
!
!
!
!
interface FastEthernet0/0
 ip address 172.16.0.1 255.255.254.0
 duplex auto
 speed auto
!
interface FastEthernet0/1
 no ip address
 duplex auto
 speed auto
 shutdown
!
interface Serial0/0/0
 no ip address
 encapsulation frame-relay
!
interface Serial0/0/0.102 point-to-point
 ip address 172.16.6.9 255.255.255.252
 frame-relay interface-dlci 102
 clock rate 2000000
!

```

```
interface Serial0/0/1
  ip address 172.16.6.6 255.255.255.252
!
interface Vlan1
  no ip address
  shutdown
!
router ospf 1
  log-adjacency-changes
  redistribute rip subnets
  network 172.16.6.4 0.0.0.3 area 0
  network 172.16.0.0 0.0.1.255 area 0
!
router rip
  version 2
  redistribute ospf 1 metric 5
  passive-interface Serial0/0/0
  network 172.16.0.0
!
ip classless
!
!
!
!
!
!
!
!
line con 0
  password cisco
  login
line vty 0 4
  password cisco
  login
line vty 5 15
  password cisco
  login
!
!
!
end
```


GALWAY

Building configuration...

Current configuration : 1403 bytes

```

!
version 12.4
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Galway
!
!
!
enable secret 5 $1$mERr$9cTjUIEqNGurQiFU.ZeCi1
!
!
!
ip dhcp pool GalwayLAN
  network 172.16.4.0 255.255.254.0
  default-router 172.16.4.1
  dns-server 10.0.0.2
!
!
!
!
!
!
!
no ip domain-lookup
!
!
spanning-tree mode pvst
!
!
!
!
interface FastEthernet0/0
  ip address 172.16.4.1 255.255.254.0
  ip access-group 110 in
  duplex auto
  speed auto
!
interface FastEthernet0/1
  no ip address
  duplex auto
  speed auto
  shutdown
!
interface Serial0/0/0

```

```

no ip address
encapsulation frame-relay
!
interface Serial0/0/0.201 point-to-point
ip address 172.16.6.10 255.255.255.252
frame-relay interface-dlci 201
clock rate 2000000
!
interface Serial0/0/1
no ip address
clock rate 2000000
shutdown
!
interface Vlan1
no ip address
shutdown
!
router rip
version 2
redistribute ospf 1 metric 10
passive-interface FastEthernet0/0
network 172.16.0.0
default-information originate
no auto-summary
!
ip classless
!
!
access-list 110 permit tcp 172.16.4.0 0.0.1.255 10.0.0.0 0.255.255.255
eq www
access-list 110 permit ip 172.16.4.0 0.0.1.255 172.16.0.0 0.0.3.255
access-list 110 permit ip 172.16.4.0 0.0.1.255 172.16.6.0 0.0.0.255
access-list 110 permit udp any any eq bootpc
access-list 110 permit udp any any eq bootps
!
!
!
!
!
line con 0
password cisco
login
line vty 0 4
password cisco
login
line vty 5 15
password cisco
login
!
!
!
```