DHCP, NAT, OSPF, RIP

DHCP	between	souters
	10.10.0	R ₂
1912.168-30.0		2 fa 0/0 192.168-10.0
Switch		Switch
Dev re		
Put entire topole	ogy in R	IP fisst)
For RI, enable		
config &		
ip dece oc	eluded-addi	ress 192168-30·1 192·168 30·2

ip dhop pool chin(poolname)

retwork 192.168.30.0 255.255.255.0

default - Douter 192.168.30.1

dns - Server 0.0.0.0

exit

ip dhicp pool Daya (poolme)

retwork 192.168.10.0 255.255.255.0

default - Douter 192.168.10.1

dns - Server 0.0.0.0

exit

For R2,

enable

config t

interface fast-thanet 0/0

ip helper-address 10·10·10·1

ecct

NAT

Il Statle: -

Now we will write CLI for the 'common' souter

- > interface gigabitethernet 0/0
- > ip not inside
- > octt
- > interface gigabitethernet 0/1
- ? if not outside
- > ecit
- (device addo)

 7 ip -nat Puside source static 192.168.10-10

 (outside state opterary)
 10.0.0.1

for one device inside

> ip not inside source static 192.168.10.20

10.0.0.1

for other device

I) dynamic: -

Now we will write CLI for The 'common' souter

- > interface gigabit ethernet 0/0
- > ip not inside
- > ect
- > interface gigabit ethernet 0/1
- > ip not outside
- > out
- (notwork name) (ulta of mask) = 2 access-list 1 permit 192.168.10.0 0.0.0.255
- > 9p nat pool (roolname) (roonge) netmask 255.0.0.0
- > ip not inside source list 1 pool chin

Some imp commands 1) show ip not toonslattons 2) debug ip not 3) no debug ip not 4) clear ip not toonslatton *

> config t

> souter ospf 1

> retwork (network rane) (weta of marsh)

> retwork (10.0.0.0 0.255.255.255 area 0

> ocit

> write all the retworks in ospf segion)

RIP

> config t

> souter sip (network name) 10.0.0.0 > 1' 20.0.0.0 > excit) (write all the networks in sip seglon)

NTP ()

first connect everything and give the server also a static if odds and gottenay adds of the connected souter.

An Sewices of server, go to NTP and click 'enable' and click 'enable' and click 'on' In CII of convected souter.

> config f

(ip odds of sever)

> ntp server 1.0.0.2

@ 1

To show border and boundary information:

> show ip ospf database (or)

> show ip sip database

DNS, DICT using Some, Osff and RIP number