Objective configure OSPF routing protocal

Topology 200 Aira 1 2000 Aira 0 30.002

0.1 porti 1

of pred 3 topics of the grant bac series du Area 2

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procedure of the procedure got

- → place 2 pc's and 3 routers as shown in the figure.
- connect the end devices to the routher through copper cross-over.
- -> Set the ip address and galeway on shown in jug -> Now go to each router & configure.

```
27/11/24
    in touter Ro,
    RO (config) # interface fastethernet alo
     RO (conjig-4) # ip address 10.0.0.1 255.0.0.0.
    Ro (config-1) It no shutdown
    Ro (config - if) # Exit -
    RO (config) # interpace Serial 210
    RO (Onfig-4) ip address 20.0.0.1 255.0.0.0
    Ro (config - 17) # encopsulation ppp
    Ro (config-4) # clour tate 64000
    RO (WATY-4) # 80 shotdown
    Ro (config-4) # Exit
                       + 6000 romos # (pipes) of
    in Router R1,
     RI (Config) # intospace social 210
     R$ ((onfig-if) # ip address 20.0.0.2 255.0.00
     P) (worty . 4) # En wops v lotion pp
              H no shotdown
              # exit.
     R2 (config) # interface scriul 310
```

10/11/80

R2 (config)# interface serial 310

R1 (config-if)# ip address 30.0.0.1 255.0.0.0

Encopsolution ppp

clock tote 64000

enit.

27 11 24 In Router R2. R2 (config) # Introface Social 2/0 R2 (config-y) # ip address 30.0.0.2 255.0.0.0 A Be encopsulation ppp and the telephone the shortdown # Exit R2 (config) # indrepose factethernel @10 (config - y) # ipaddiess 40.0.0.1 255.0.0.0 # no shot down a manage of the same of the # Exit acous dos por it (U-pitros) on Amadaniz er # (4 - Ama) da step > Enable ip couting by configuring ospt 120 ting protocol mountains in kouter Ro Ro (config) # louter ospf + Ro (config-1outro) # 10uter-id 1.1.1.1. # network 20.0.0.0 0255.255250rea3 # mtwork 30.0.0.0 0.255.255.255 1 # Exit we belt continue in in Router R1

Ry (config) # 100tes ospf 1

RI (config - 100tes) # 100ter - id 2.2.2.2

notwork 20.0.0.0 0.255.255 255 area to # notwork 30.0.0.0 0.255.255 255 area to # exit.

in Router Rg

R2 (confy) # router Ospil

R2 (confy)-router) #metwork 30.0.0.0 0.255.755 0200 0

network 40.0.0.0 0.255.755 255 255 0200 2

Exit

step!

Ro (config - if) # interface boopbace o

ip add 172.16.1.255.255.255.000

noshutdown

R1 (001/14-4) # 11/10/10/20 bock 0 # ip add 172.16.1.753 255.255.20.0 # no shut down

R2 (config- y) # inferfore loop bock o
ip add 172.16.1.254 255.255.0.0
no shut

Step:

In Router Rb

RD (config) ## router 0 spf +

(config-router) # router area 1 virtual - link 2.2.2.2

RI (config - voutr) #

one I vivtual link 1.1.1.1

Exit

Observation

ping the ip from On pr to other PC

ping 40.0.0.10 in the PCO

pocket sent=4 Recwed=4 Lost=0 (0-1.60cs)

ping 10.0.0.10 in the pct.

Poux d sent = 4 perceived = 4 lost · 0 (0-1.60ss)

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OR OFFICE RS

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