Assigment-10

Demonstrate the working

PC oforking on

*at* ARP Protocol.

@Between two PC of samed network"

日

192.16811-1

FO

→ Opening commanent prompt in

PC) amp -a

No ARP Entries Round

per ping 192.168.1.2

ро

152.118·1·2

Pt 192.168+1+1

Pinging 192.168.1.2

with 32 bytes of dada!

:

Reply from 192.168.1.2 bytes 282 time 2 Oms TTL 2 128

Approximate round hip times

in milli-seconds!

Minimum 2 Oms, Maximam 20ms, prerage 2 Oms

20ms,

PCs arp-a

Internet Address

Physical Address

192.168.1.2

0030. f2a5. d418

Туре dynamic

*PC*) arp*-d*

Per amp-a

No ARP Entries Pound

1 Between two PC of different Network

Folo

2011

192.168.2.2

→ Opening command prompt in

pes ping 192.168.3.2

192.168.3.2

PC 192.168.2r2

Pinging from 192.168.3.2 with 32 bytes of datai

Reply from 192.168.3.2: bytes 2 32 time 2 Oms TTL 127

Approximate round hip times in

millitsee

20m3

Minimum 2 Oms, Maximum 20ms, Aterage?

резагр-а

Internet Address 192.168·2·1

Physical Addres

Чуре

0007 ee 22.4001

dynamic

© Demonstrate the update in

the update in ARP Table.

132.168.4.4

2014

10/1

192.168.411

/swikey PD/3 Foln

192168.4.3

192.168.4.2

+ 3 PCs and

I sorver

IS

connected with a

switch

- Opening command prompt in

Server 192.168.44

Server) ping 192.168.4.2 Pinging 192.168.4.2 with 32

bytes of data

Minimum 2 Oms, Maximum 2 Oms, Average

2 Oms

Server? ping 192.168.4.1

Pinging

192.168.4.1 with 32 bytes of data

**5ms**, Average

2 Oms

Minimum 2 Oms, Maximum 2 5ms,

Server> ping 192.168.4.3

Pinging 192.168.4.3 with 32 bytes of data

Minimum 2 Oms, Maximum 2 lms, Arevage 2 Oms

Server> arp -a

Internet Addres

192.168.401

Physical Address

Туре

Oodo, bab0.0043

dynamic

1525168.4.2

oveD, Brod. 7əld

dynamit

132-168.4.3

0000. 4146, 5150

dynamie

2. Implement the RIURP

11/0

Router

the REhRP Protocol for two networks

Pilo

Swilly

Polo

192.168·12-0

Router

20/0

Switch

1323168.1.2 1.3 114 1.5 192.168. 2.2 2.3

→ Two routers are

2.4

connected mocider ho

Router!

13

connected

with

4

PCS

each switch then al

and

Router 2 is connected with

→ IP addresses for Routers at each porti-

Router1

$P Address

Subnet Mark

Rolo

192.168.1.1

255.255.255.0

121/0

192.168.12.1

255.255.255.0

Router 2

Rolo

192.168.2.1

255.255.255.0

FI/D

192.168.12.2

255.255.255.0

**→** In

CLE

menu

of Router I

Router ) en

Router # contig &

Router (contig) # router eigrp ?

<1-65535) Autonomous system number

**Router (config**)#router exgrp 1

Router (**contry**-router") # network 192.168.1.0 **Router** (contry -router) # network 192.168 · 12 · 0 Router (config-router) # 12

Router #wr

#12

Building configuration... Вокз

→

Scome

CLI is to be written

on

Router 2 CLI menu.

→

Sending

packets from

PC's network

to

sewers' network

Adipes ping 192.168.2.2

Pinging

192.168.21 2

with

32 bytes of data i

Minimum 20my, Maximum 2 Oms, Average 2 Oms

3. Implement the BHP Protocol for two LAN

2

21/0

Rontor

**F**//0

*F0*/0

192.168.3·0

(Router)

PO/U

Switch

192.168.1.2

132.168.1.3

132.168.22

132·668·2·3

→ Two routers

are connected

each

to each switch then

*It* is

connected

to

havo

pes respectively

d&P addrelles for Routers eft each ports:

RouterI

IP addresses

20/0

192.168.1.1

192.168.3+1

Subnet Mark

255.255.255-0

Bilo

Router 2

8010

*110*

e

132.168.2.1

132.168.3.2

→ In CEI menu of Router I

Router en

Router #contig to

Router (country) # router bgp 10

255.255-285.0

255-255-255-0

255-255-255-0

Router (coming-router") # network 192.168.1.0

Router (contry network) # network

Router (contry -network) # netwerke

192.168.2.0

132-168.3·0

20

Router (contry-router) # neighbor 192.168.3.2 remoteras Router (vendig router) # neighbor 192.168.202 remesteras 20 Router (eentry-router) # neighbor 192.168.2.3 remoteras 20 Router Looming-router) # nz

Router #wr

Building configuration...

Сокз

→ Same CLI is to be written

**on**

Router 2

CLE menn

→ sending packets from

Routerl's PCs to

Router 2's PCS.

PL) ping 192.168.2.2

Pinging

192.168.2+2 with 32 bytes *of* data:

Minimum 20ms, Maximnon 2 Ims, Average 2 Oms

Shawl

2/11/23