Date: 8-10-34

Classfull Subnething DUTER TOUT - OF - HIPCOS

AIM

Implementation of Subnething in auco Packet toward Simulator March 10 652") 10,009

PROCEDURE

1) Create the network using obwitches, swuter and PCs

- 2) The IP address will be as follows
- -> Router RI
- #Gigabit Ethernet 0/0:192.168.1.1 Posn
- + Gigabit & Meinet 0/1: 192.168.2.1 Also enable the 'on' ophen -> Switch SI for both gig Ethernel on the
 - *no IP Page

-> LAN-1 -PET: 192.1680.11

opening to bound find a find on the cold

· PC O

1 cook pet 11.1.801.801 : easebba 91

Garcoay: 192.168.11 · PCQI

TP: 192.168 .1. 12 Garway: 192.168.1.

· PC2

IP: 192.168.1.13

Gateway: 192.168.1.1

. PC 3

18.192.168.1.14

galeway: 192.168.1.1

Galeway 15

gigobilethu 0/0

1P: 192.168.1.15 ·PC B Galeway: 192.168.1.1 - Switch 32 # 10 IP -> LAN-3 · PC 5 IP: 19 -> Rooten A. -> Switch Sa * NO 19 -> LAN-3 · PC 5 1P address: 192.168.2.11 Galeway: 192.168.2.1 · PC 6 11 address: 192.168.2.12 for LAN-2 Gateway: 192.168.2.1 Caturay of pos is · PC 7 1P address: 192.168.2.13 GEONIP asleway: 192.168.2.1 · PC 8 1P addlers : 192.168.2.14 Gateway: 192.168.2.1 · PC 9 1P address: 192.168.2.15 Gateway: 192.168.2.1

Diagramatic representation 1.1.801.601 : 4 08 dopiwal 91 074 91:91 A HOTOGA as daring 91 04 % 11.8 801.8P1: 208660 91 Gotonoy : escrebbo 11 : Marted spello 91 8090 recebbo 91 EPI : paraled 16 201.8Pl : reclobo 91 1.9.821.001 = pourtos

Output
Now Lets assume the Lender is PC 1 and
secieves is PC 7
while simulating 4 observing; we gethe
Simulatur pamel.

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a sociation

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2000A (31

ON HOW

Wyles and

| Simulation | on Panel | | XE |
|--------------|------------|-----------------|------|
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| V19 | time | Lastdevice | |
| PENCH | 0.000 | MgD norther | 201 |
| Priva | 0.003 | PC1 00 400 1 | 800 |
| at t | 0.005 | Switch It | |
| Corre | 0.008 | Roules 1 | |
| d | 0.010 | Suitch a | 1000 |
| | 0.013 | Restricted PC 9 | 5.94 |
| | 0.015 | Switch a | |
| dub | 0.018 | Router | |
| | 0.030 | Switch 1 | 18 |
| | 0.023 | drowten | 0 |
| Reset S | amulahum E | constant delaw | |
| Play co | data | + monagomom | 7/ 1 |
| The state of | MAID | DO | |

Piece Lass Blotus Bource Destination Type color Time (ru) Peradic nom

Success ful PC1 PC9 ICMP 1 0.000 N O

Rosalt
Thus implementation of Subnetting in Caro has
been implemented successfully. (closeful)

Student Observation

a) white down your understanding

unicusa) 1/04 College

Ans
Subnetting is the process of awiding
a Large IP address network and
manageable alection carted subnets.

Each subnet act as independent
network tallow divious connected to it
to communicate within the subnet
to communicate within the subnet
to communicate within the subnet

b) Advantages of implementing dubretting within a network

Arus

Heyborent 10 management - based on

Bubnets

c) Subnetting in Your College?

Result

The implementation of dubnetting in cusco has been implemented done duccessfully