17/11/22 Aim: Configuring IP address to roukesp in packet traces Explose the following messages: Ping responses, destination unreachable, request timed out, reply. Topology one-router = 10.0.0.000 (20.0.0-10) PC-PT PEPT PCD 10,0.0.0. 20.0.0.1 Three 200 ter = 20.0.0.2 30.0.0.1 seal router 1 sealo souters / Fal Fal PC-PT PCO 40.0.0.1 10.0.0.1

Procedure One-router; -> Place 2 generic PC, a generic router and notes with IP addresses and connect uping copper cross > Click on both Pris and set 1P add se \$ SES ap 10.0.0.1 & 10.0.0.2 with gateway for each as 10.0.0.10 \$ 10.0.0.20 > Click on souter, then go to CLI and exe cute following commands ->enable -> config t ->interface fast ethernet o/o 7ip addx 60 10.0.0.10 255.0.0.0 tho shut. now connection between PCOU above steps for PC, until connection peen by uping "show ip noute" comme 7 Mon ping a PC by selecting one of the pc -> depkhop -> command

Three - novterst

prompt

Place 2 generic Pc's/3 routers such that 2 Pc's are connected to 1st and 3od router using copper

crops and 3 routers are connected with sequence 1st => 2nd => 3rd using genial DCE cable

- -> place notes to indicate 1P add x socs and ports of fastetnesent & senal
- -> pet IP address, gateway, Exbret maps for both the PC's.
 - Now configure nowler 1:
 -> click -> no -> enable -> Config t

 -> interface fast ethorner 0/0

 -> ip address 10.0.0.10 255.0.0.0

Do phut

by this first PC and left

half of rovter connection is established.

-ished.

-iconfig t > interface serial2/0 >

- ip address 20.0.0.1 255.0.0.0 7 no phu now right side connection is established for 1st router.
- Do the same above done step for novter a and three with Correct of address and port Belection to establish connection on both sides of each of the novters processfully

After all connections 13 reen lights

are shown as a repult of evicessfull complition, now if we ping we get "destination unreachable" routers are not trained tor indirect connected LAN's Train router 1 by ip noute 30.0.0.0 255.0.0.0 20.0.0.2
ip noute 40.0.0.0 255.0.0.0 20.0.0.2 Train novter 2 by 1P xoute 10.0.0.0 285.0.0.0 20.0.0.1 ip route 40.0.0.0 ass.0.0.0 30.0.0.2 Train router 3 by: ip route 10.0.0.0 255.0.0.0 30.0.0.1 ip route 20.0.0.0 255.0.0.0 30.0.0.1 + Now pinging from PCO to PC+ Observations: one-vovter: Pinging output fix fixet time ping 20.0.0.1

pinging 20.0.0.1 with 32 bytes of data: Reply from 20.0.0.1: bytep = 32 Reply from 20.0.0.1: bytep = 32 Reply from 20.0.0.1: bytep = 32 ping statistics for 20.0.0.1!

packets pent = 4, received = 3, lost=1 But when PCO pings PCI again or it reverse ping happens, we get reply all 4 times 3 200 texp: 1 10000 * Output when PCO is pinged by
PCI or vice respondable to routers
One trained of unknown IPIS. ping 40.0.0.1 pinging 40.0.0.1 with 32 by kp of data reply from 10.0.0.10 deptination host unreacha seply from 10.0.0.10: destination host unreachable reply from 10.0.0.10 destination host unreachable

pinging Statistics 40.0.0.1

Packets sent=4 received = 0 how t=4