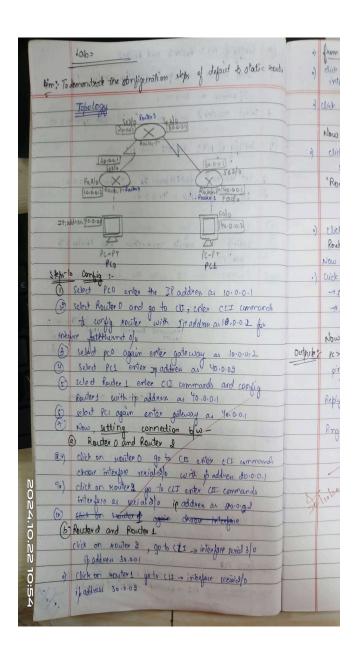
NAME: MANVI SHARMA USN: 1BM22CS149

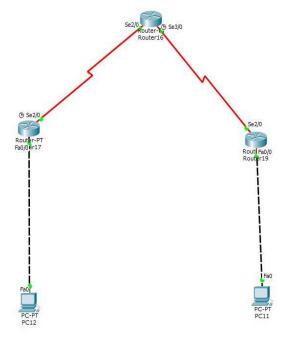
#### CN LAB 4

### AIM: TO DEMONSTRATE THE CONFIGURATION OF THE DEFAULT AND STATIC ROUTES

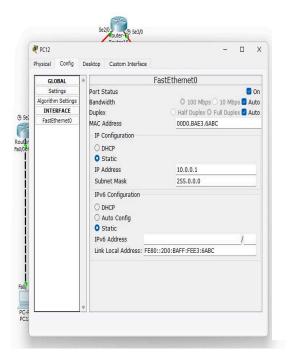


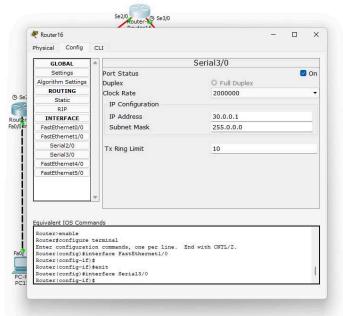
Jum waiter 1 to pet  interfau fart Ethernologo, ip address 40.00.0  Click on pet go to config - CLI Bajana Gold  interfau fart Ethernologo, ip address 40.00.0  Now to cet default soute blue Pouter and accident  click on pet go to CLI - keep in config mode so  while fellowing Command-  "Routerlanging ## ip route 0.000 0.00.0 30.00.0.3  It digins attain path (and ton go arreposes)  Click on let go to CLI - keep in config mode so, with  Routerlanging to provide 00.00 0.00.0 30.00.01  Now for rating static route  Now for rating static route  in the route so go to CLI - config mode so, with  rating route so.00.00 35.00.0 30.00.01  Now all route so.00.00 35.00.0 30.00.01  Now all routes so config. One set., try ping  Outpute so ping 40.00.01  Pring statistics for so.00.00 so.00.01  Reply from 10.00.01 taglo > 22 time 3 8ml Truston (so  Packet is statisty, sectived at last 20 (cold loss)  Him = 3ma Han > lome Ang 25m		
click on particles 1 go to config - CLT Bajna Gold interfor factoremed 0/0, if address 400.00.3  Now to cet default youte bjus Porter and anothers.  click on particles go to CLT - keep in config mode base while following command- "Router (config ) the provide 0.000 0.000 0.000 0.000.3  It define cheese path (dolls can go carryshow)  click on Particles path (dolls can go carryshow)  click on Particles path (dolls can go carryshow)  Now face setting static route  Now all route 10.000 0.000 0.000 0.000.1  Reply from 10.0001 byte > 22 time o dout of the pringing 10.000.1 with 30 bytes of doto:  Reply from 10.0001 byte > 22 time o done Tell = 121 (be fing statistics for 10.000)  Him = 0 ms Hand = 10 ms Ang = 10 ms  Him = 0 ms Hand = 10 ms Ang = 10 ms  Him = 0 ms Hand = 10 ms Ang = 10 ms  Him = 0 ms Hand = 10 ms Ang = 10 ms	•	from scarter 1 to pcl
Now to cet depart proute blue Routero and wanters.  o) click on Pro, go to CLI - treep in config. mode for sometiments.  "Router Config It is proute 0.0.0.0 0.0.0.0 0.0.0.0.3  If define desputs path (date can go any show)  click on Pri go to CLI - treep in config mode in write Router Config path (date can go any show)  Now far rotting static route  o) click on water 2 go to CLI - config mode in write route on water 2 go to CLI - config mode in the proute in config mode in the proute in the route in the source of source 2 go to CLI - config mode in the principle route in one of source 2 consultant in the principle in the principle in the principle in the second of the second in the principle in the second in	(0 0	click on newter 1 go to config -> CLI Bajna Gold
Now to cet depart proute blue Routero and wanters.  Now to cet depart proute blue Routero and wanters.  click on Pro, go to CLT - treep in config. mode by  white following command-  "Routerlooping the proute 0.0.0.0 0.0.0.0 0.0.0.0.3  If define detault path (date can go anywhere)  click on Pro. go to CLT - treep in config made by write  Routerlooping the proute 0.0.0.0 0.0.0.0 0.0.0.1  Now far rating static route  click on waster 2 go to CLT - config mode by write  trip route to.0.0.0 0.0.0.0 0.0.0.0.1  Now all reader 2 go to CLT - config mode by typ.  - the proute to.0.0.0 0.0.0.0 0.0.0.0.1  Now all reader by config. and set. they ping  outpute: Proping 40.0.0.1  pinging 40.0.0.1 with so bytes of dato:  Reply from 40.0.0.1 byte = 22 time - done True 121 (k)  Ping statistics for 40.00.0.1  Him = done Hard = tome try off		interfor fait Ethernol 0/0, ip address 4000.01
"Router (config )# ip soute 0.0.0.0 0.0.0.0 30.0.0.3  If define dealer path (dalo can go anywhous)  Olik on Pel go to CLI - treep in config made on with Routerland of the path (dalo can go anywhous)  Now far acting static route  Outek on woaler 2 go to CLI - config mode of typ.  I lip soute 10.0.0.0 25.0.0.0 20.0.0.2  The proof to config. and red., they ping  Output: per ping 40.0.0.1  Proof from 40.0.0.1 with 22 bytes of dato:  Reply from 40.0.0.1 byte = 32 time = 2me True 12 to Reply from 40.0.0.1 byte = 32 time = 2me True 12 time =	)	
"Router (config )# ip soute 0.0.0.0 0.0.0.0 30.0.0.3  If define dealer path (dalo can go anywhous)  Olik on Pel go to CLI - treep in config made on with Routerland of the path (dalo can go anywhous)  Now far acting static route  Outek on woaler 2 go to CLI - config mode of typ.  I lip soute 10.0.0.0 25.0.0.0 20.0.0.2  The proof to config. and red., they ping  Output: per ping 40.0.0.1  Proof from 40.0.0.1 with 22 bytes of dato:  Reply from 40.0.0.1 byte = 32 time = 2me True 12 to Reply from 40.0.0.1 byte = 32 time = 2me True 12 time =		Now to get default since his porten and gratery
"Router (config )# ip soute 0.0.0.0 0.0.0.0 30.0.0.3  If define dealer path (dalo can go anywhous)  Olik on Pel go to CLI - treep in config made on with Routerland of the path (dalo can go anywhous)  Now far acting static route  Outek on woaler 2 go to CLI - config mode of typ.  I lip soute 10.0.0.0 25.0.0.0 20.0.0.2  The proof to config. and red., they ping  Output: per ping 40.0.0.1  Proof from 40.0.0.1 with 22 bytes of dato:  Reply from 40.0.0.1 byte = 32 time = 2me True 12 to Reply from 40.0.0.1 byte = 32 time = 2me True 12 time =	0)	click on Pro go to CLI -> Keep in conhia mode to
Click on PCL go to CLI -> Keep in config mode & with  Router lang 19th p xoute 0.0.00 0.0.00 30.0.0.1  Now fax retting static route  .) Click on wooder 2 go to CLI -> config mode & type  -> # 1 ip xoute 10.0.0.0 25.0.0.0 20.0.0.2  -> # 1 ip xoute 10.0.0.0 25.0.0.0 20.0.0.1  Now all routes & config. and red., try ping  Outpute: PC> ping 40.0.0.1  pinging 40.0.0.1 with 20 bytes of dato:  Reply from 40.0.0.1 byte > 32 time - 2mc TILS 12 (b)  Ping statistics for 40.0.0.1  Packet: cont-4, Poccived >4 Last > 0 (00) low)  Him = 2mg Hand > lome Ang > 1m		white following command-
Click on PCL go to CLI -> Keep in config mode & with  Router lang 19th p xoute 0.0.00 0.0.00 30.0.0.1  Now fax retting static route  .) Click on wooder 2 go to CLI -> config mode & type  -> # 1 ip xoute 10.0.0.0 25.0.0.0 20.0.0.2  -> # 1 ip xoute 10.0.0.0 25.0.0.0 20.0.0.1  Now all routes & config. and red., try ping  Outpute: PC> ping 40.0.0.1  pinging 40.0.0.1 with 20 bytes of dato:  Reply from 40.0.0.1 byte > 32 time - 2mc TILS 12 (b)  Ping statistics for 40.0.0.1  Packet: cont-4, Poccived >4 Last > 0 (00) low)  Him = 2mg Hand > lome Ang > 1m	-	"Router (conf.g)# 1p route 0.0.0.0 0.0.0.0 20.0.0.2
Reply from 10.0.0.1: byte = 32 time = 2me TILS 121 (k)  Reply from 10.0.0.1: byte = 32 time = 2me TILS 121 (k)  Ping statistics for 40.0.0.1		It define details path (das can go anywhere)
Reply from 10.0.0.1: byte = 32 time = 2me TILS 121 (k)  Reply from 10.0.0.1: byte = 32 time = 2me TILS 121 (k)  Ping statistics for 40.0.0.1	)	click on PCL go to CLI -> troop in confice made & write
Now for rating static route  .) Chick on water 2 go to CLI - config mode by typ.  - It is route to.0.0.0 25.0.0.0 20.0.0.2  - It is route to.0.0.0 25.0.0.0 20.0.0.1  Now all routes by config. and sed., try ping  Output: Per ping 40.0.0.1  pinging 40.0.0.1 with 20 bytes of dato:  Reply from 40.0.0.1 byte > 22 time > 2m. TILE 121 (x)  Ping statistics for 40.00.1  Packet: Sont = 4, Received = 4 Last > 0 (00) Low  Him = 2my Hand > Lome Ang sim		Routex (unhightip xoute 0.0.0.0 0.0.0.0 30.0.0.1
click on scaler 2 go to (II > config mode by fyl)  It is scale to 0.0.0.0 25.0.0.0 20.0.0.1  Now all scorles by config. are sed., try ping  Output: pe> ping 40.0.0.1  pinging 40.0.0.1 with 8.2 bytes of dato:  Reply from 40.0.0.1 tagle > 32 time > 2mi TIL > 121 (x)  Ping statistics for 40.00.1  Particle: config. are sed., try ping  Output: pe> ping 40.0.0.1  Pinging 40.0.0.1 with 8.2 bytes of dato:  Reply from 40.0.0.1 tagle > 32 time > 2mi TIL > 121 (x)  Ping statistics for 40.00.1  Particle: config. are sed., try ping  Output: pinging 40.0.0.1  Pinging 40.0.0.1 with 8.2 bytes of dato:		
The soule 40.0.0.0 25.0.0.0 20.0.0.2  The provide 10.0.0.0 25.0.0.0 20.0.0.1  Now all secules by config. and set., they ping  Output: per ping 40.0.0.1  pinging 40.0.0.1 with 22 bytes of dato:  Reply from 40.0.0.1 to the 222 time 2 2mm TILS 12x (x)  Ping statistics for 40.0.0.1  Packet : ant -4, localized -4 lost 20 (00% low)  Him = 2mg Had > 10mm Avg > 1mm	()	cuick on would a go to UI - config mode by type
Now all secules by config. and red., they ping  Output: PC> ping 40.0.0.1  pinging 40.0.0.1 with 8.3 bytes of dato:  Reply from 40.0.0.1 byte = 32 time = 3mi TIL= 12x (b)  Ping statistics for 40.0.0.1  Packet : cont = 4, Paccived = 4 Last = 0 (00% Law)  Him = 2mg Had = Loma Avg = 1m		→ # ip goute 40.0.0.0 &5.0.0.0 30.0.0.2
Now all secules by config. and red., try ping  Outpute: Per ping 40.0.0.1  pinging 40.0.0.1 with 8.3 bytes of dato:  Reply from 40.0.0.1: byte = 32 time = 2mi TIL = 121 /2  Ping statistics for 40.0.0.1  lacket: And = 4, Received = 4 last = 0 (colology)  Him = 2my Man = 1cms Ang = 5m		→#1/2 route 10.0.0.0 25.0.0.0 20.0.0.1
Pinging 40.0.0.1 with 20 bytes of dato:  Reply from 40.0.0.1 byte > 32 time = 2mi TIL=121 (x)  Ping statistics for 40.0.0.1  Packet: Sort=4, Received=4 Last=0 (od=low)  Hir = 2mg Han = lome Avg = 1m		
Pinging 40.0.0.1 with 20 bytes of dato:  Reply from 40.0.0.1 byte > 32 time = 2mi TIL=121 (x)  Ping statistics for 40.0.0.1  Packet: Sort=4, Received=4 Last=0 (od=low)  Hir = 2mg Han = lome Avg = 1m		Now all reviles & config. and set, try ping
Reply from 40.0.01 : byte > 32 time > 2mi TILS 121 (to  Ping statistics for upper o. 1  Packeti; cont = 4, Received = 4 last > 0 (de/s loss)  Hir = 2my Max > loms Avg = 6m	Outpute	r PL> ping 40.0.0.1
fing statistics for tocoro.)  Packets: cont = 4, Received = 4 Lost = 0 (00% Loss)  Him = 2my Hand = Lome Ang = 5m		pinging 40.0.0.1 with 30 bytes of dato:
Hir = Dmy Man > lomo Avg > lm		Reply from 40.0.0.1 : byte > 32 times and TILS 121 (4)
Him = Dry Man > lems Avg > lm	-	O desition law unions.
Him = Dry Man > lems Avg > lm		Jacket ; sent = 4. Received = 4 Last = 0 (Ode lay)
		Him = 2m Had > loma Avg > sm
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### NETWORK TOPOLOGY:



## CONNECTIONS ACROSS NETWORK:





# PING COMMAND

