10/11/22	
pello à	CYCLE I DOUBLE ON THE LAND OF THE PARTY OF T
	De la
9	EXPERIMENT 1:
	Creating a topology and Simulate Sending a Shaple
	POU from source to destination using hub and
	Switch of Cornexting devices
-1	to at the same of the device
(a)	Using Hub at Correcting device.
- Colored	Hab is an unintelligent device. It sported in the
ACCEPTO.	I a la constitue de la constitue /
	physical larger. No Signal provesting/ regeneration occurs.
	helined else of 1 1 1 4 dell
	Proxedure:
	Transact that at they a strainly to blank the
	He spon lisco preset trator in logical mode.
	At the left hard side bottom Corner use Select
1	End dovices from Device - type Selection box.
	He Select A generic end devices and enter
	the following IP obditeded: 10.0.0.1/10.0.0.2
-	10.0.0.3, 10.0.0.4. They have a common
	O'S AND ON THE MET OF THE STATE
97	Subnet mek of 255.0.0.0
•	We selost a generic Hub and note
	Connections to the end durices using
9101	Copper - Stroight - Thorough Connextions
•	He add a PDU to Sources End device
	(JP: 10.0.0.1) and destination Food dessite
	(+p: (n.o.o. 4)
	Les Surites to Simulation made and
	Solert outo coplure / play.

	Melloge noves from Device (10.0.0.1) to the
-	The Hub transmits the mellage to the remaining
	devices.
,	Only Device (10.0.0.4) received it converty.
	The other 2 davices rejectif.
est	Event rist.
	Time Last Device At Benice
	0.000 P(0
	0.001 P(0 Hub 0
	0.002 Hubo PCI
	0.003 Hubo PC2
	0.00 2 Hubo PC3
Part.	0.003 PC3 Hubo
•	Real Time (Event list)
	Fire Cost Status Source Destination Time (See) Porishic Mun
1	Successful . PCO PC 3 19 0.000 N 0
	(80.0.01:90) signs but mitriesob by
10 D	Ping PC> ping 10:00.
	Pinging 10.0, o.4 with 32 bytes of date:
10 Freez	1 - A - TTL= 134
+1 2	Satistia and the survey reduce the sail
	Poch ets: Sent = 4, Received = 4, Lost = 0 (01/. Loss).
1.4	Privat trip times ! when and a contract
	Minimum = Oms, Moreinum = Oms, Average = Oms.
	TOPOLOGY 77
	TILL STATE OF THE
	Hub-PT HUB
tier	The sound of the second
	声 回 甲
	PC-PT ED FIS
	PLO PL-PT PC-PT
	PcI

b) Using Switch as Connecting Device. Switch is a point to point Communication device. It operated at data link layer. It uses Switching table to abtain cornect address. Proxedure: We Solort 4 end devices from the Device-type Selection Dax, We enter 10.0.0.5, 10.0.0.6, 10.0.0.7, 10.0.0.8 of their IP addressed respectively They have common Sub-net malk 255.0.0.0. · He Select a generic Switch and make anextices to the end devices using Coffer-Strongs thorough Cornections. · We add a PDU to Source End device (15:10.0.0.5) and destination End device (IP:10.0.08). We enter Simulation made and Solart auto copyung/ play.

Place age maves from end durice (10.0.0.5) to Switch The Switch upon receiving the melloge weeds it to destination and device (10.9.0.8) without broodesting the message to other devices. Point -40 - paint communication is prodent Rend Time (Event rist) Fire Cost Status Source Destination Time (Sec) Periodic Num Edit.

Successful PC7 0:000 N 0 (axil)

	Simulat	ion Model (	Eurot Cist)	H May post H	13
			1		
		Time ( Sex )	Cost Device	At Device	
				P(4	
	o orida	0:001 1001		Switcho	
		0.002			
				Switte	
	1			PC4	
				13 st has	
		PC >			
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Tresta	o also			il iste of	-
				lime=llms IT	T=176
	, 0	•	(120 12	Red Free Tre	
milk yel	Statisti	10.0.01 Les 80.	2 : Sac	1 to 1 2 to 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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	Approx	imste round !	rip times in r	rilli-Serside:	
(100				Accrege = 4m	
		/-		. Luth at	
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		PerPlat made	PC-PT+ to 1	o stority	
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	4 04	· 7 deliget	ch and	(8 0 0 0 1 21)	
		TOPOLO	Gny	borils dall	

Olding both Hub & Switch al Correcting desirces Proceeding: He form or interconnected LAN by moting a arrestion between the Hub & Switch established previously wing a Copper-cross-sucr correction. He odd a pou to St Device - Source (IR 10.0.0.1) and to End Device - Destination (IP: 10.0.0.8) Source cornected to Hul & Ex-Destination connected We enter Simulation made & Solert outo copluse/ Red fire (Fred Git) Fire lost Status Some Destination Thropped Point Num Serverfuel PCO PC7 Dios N . Hessage moves from source and duice (18:10.0.0.1) to Hub. ful brondeness the ressone to devices (19:100.00) 18:10.0.0.3, 18:10.0.0.4) and to the Switch. The end devices reject the message. The Switch receives the melloge and Bends it to destination and design (19:10.0.0.8) directly and not to any other device. In the rest cycle, message set from durice (18:10:0:0.8) goes to switch & then to thub directly. hull brooders it to during [19:10:0001, 100:002, 10:0:03, 10.0.0.9), Source device [18:10.0.0] receives message.

## · Simulation Madel (Kural vist)

Time (ser)	CALL Dervice	Al Denize
0.000		004
0.001	PCO	1440
0.007	HULO	Switch
0.003	Switcho	PC7
6000	PC7	Suite 0
0.00 5	Sailes	tub 0
0.006	Hub O	PC4
0.006	1440	Pes
0.006	Hut-O	P(2
6.006	Mar O	PCI

Find by Spind 10.0.08 with 37 phose of and

Reply from 10.0.0.8: bytes=32 time < lms TTL=128

Reply from 10.0.0.8: bytes=32 time < lms TTL=128

Reply from 10.0.0.8: bytes=32 time < lms TTL=128

Reply from 10.0.0.8: bytes=32 time=1=5 TTL=128.

Ping Statistics for 10.0.0.8:

Pakets: Sent=4, Received =1, lost=0 (0%. loss)

Approximate yound trip times in milli-seconds

Minimum = 0 mg, Naximum = 1 ms, Avorag=0 ms

TOPOLOGY: Citato 800