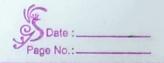
Aim: Createing a topology and simulating a
simple PDV from source to destination
using hub and switch as connecting
devices
while are dud singues to have else singues F (
Topology segulared lesipol alt ati
HUB: Hub
a paid side and and in the state of the
PC0 PC1 PC2
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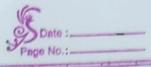
	Precedire:
me it i	letack at asking most war stamic
200	Hub as debies but ded paiet
	deniena v man in man
	i) 7 generic Pa's and a generic hub are inserted
	into the logical workspace
	=) fach PC is configured by a specific IP address
	and IP address is given by clicking on
	a specific PG. The hub and PC's are connected
	by copper Straight wire
	Es 0-12 e 2.01 (10.0-2)
	3) In simulation mode, simple PDV is established blo
	to mend devices and Packet transfer can be
	seen
	e) In real-time mode, simple POU is established
	one PC is selected and command prompt is
	opened and Ping command is given
-	6.0.0.01 (0.0.0.0) (1.0.0.0)
	Switch
	i kindan
	1) 4 generic PC's and a generic switch are
	inserted into the logical workspace
	2) Each PC is configured by a specific IP address
	and IP address is given by clicking on a
	specific PC. The switch and PC are connected
	by copper straight wire
JF BH	07 09 09 09 09 09 09 09



	3) In simulation mode simple PDU is established
	two end devices and auto capture is
	Clicked the Packet transfer can be seen
	blus the switch and PC?3 0 pm 18891
lyab h	is adt the of appression shape dud sall
mesc	4) In real-time mode, any PC can be selected
pd p	and command prompt is opened and ping = P-address
7 110	pristagivenis apitarites heitings alt
	reaponds by sending a packet
	Hybrid then 9
The state of	
	1) 12 generic PC's, 3 Hubs and switch is taken
	4 generic PC's are connected to each hub
	and wall 3 hubs are connected to switch.
IT	Reply from 10 0.0.5 2 bytes = 32 time=000
SITT 8	2) All the nodes for 12 PC's are placed and the
ال الله	PC'S are connected to their respective hub
= 177 e	by copper-straight wire and the three hubs
	are connected to their switch by copper
	Choss-over wire. The IP address of all PC's
ads tag	are given by dicking on them
A shite	Approximate round trip times in willing
- (lar) -	3) In simulation mode simple pop is established
	between two end devices and packet transfer
-	can be seen from the source to the destination
	Learning outcome:
مدهنداد	4) In real-time mode, a PC can be selected and
wit 1	the command frompt can be opened and ping
Art T	Command is given and output can be seen al
	the command prompt screen.



from but the message is read only by the specified destination and destination responds by sending a packet Result Ping 10.0.0.5 Pinging 10.0.0.5 with 32 bytes of data: Reply from 10.0.0.5 bytes = 32 time=0ms TIL=18 Reply from 10.0.0.5 bytes = 32 time=1ms TIL=18 Reply from 10.0.0.5 bytes = 32 time=1ms TIL=18 Reply from 10.0.0.5 bytes = 32 time=0ms TIL=18 Reply from 10.0.0.5 bytes = 32 time=0ms TIL=18 Reply from 10.0.0.5 bytes = 32 time=1ms TIL=18 Ping statistics for 10.0.0.5: Packets: Sent= 4, Recover Received= 4, lost=0034 Approximate round trip times in milli-seconds: minimum = 0ms , Maximum = 1ms, Average = 0ms Aswitch Leasning Outcome: t) switch does not establish Connection immediately there is a centain time called learning time	and the same	
The hub sends message to all the end device. The hub sends message to all the end device. Except to the one it receives the message from but the message is read only by the specified destination and destination responds by sending a packet. Result Ping 10.0.0.5 Pinging 10.0.0.5 with 32 bytes of data: Reply from 10.0.0.5 bytes = 32 time=0ms TIL=181 Ping statistics fox 10.0.0.5 bytes = 32 time=0ms TIL=181		
The hub sends message to all the end device. The hub sends message to all the end device. Except to the one it seceives the message from but the message is read only by the specified destination and destination re responds by sending a packet Result Ping 10.0.0.5 Pinging 10.0.0.5 with 32 bytes of data: Reply from 10.0.0.5 bytes = 32 time=0ms TIL=101 Reply from 10.0.0.0.5	Ludaildes	Observation:
Learning Outcome: The hub sends message to all the end device. Except to the one it receives the message from but the message is read only by the specified destination and destination to responds by sending a packet Result Pring 10.0.0.5 Plinging 10.0.0.5 with 32 bytes of data: Reply from 10.0.0.5 bytes = 32 time=0ms TIL=10 Reply from 10.0.0.5 bytes = 32 time=1ms TIL=10 Reply from 10.0.0.5 bytes = 32 time=1ms TIL=10 Reply from 10.0.0.5 bytes = 32 time=0ms TIL=10 Reply from 10.0.0.5 bytes = 32 ti		and take a tun has a private bas partil
The hub sends message to all the end device be except to the one it seceives the message from but the message is read only by the specified destination and destination to responds by sending a packet Result Ping 10.0.0.5 Pinging 10.0.0.5 with 32 bytes of data: Reply from 10.0.0.5 bytes = 32 time = 0ms TILED Reply from 10.0.0		
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from but the message is read only by the specified destination and destination to responds by sending a packet Result Ping 10.0.0.5 Pinging 10.0.0.5 with 32 bytes of data: Reply from 10.0.0.5 bytes = 32 time = 0ms TIL=181 Reply from 10.0.0.5 bytes = 32 time = 1ms TIL=181 Reply from 10.0.0.5 bytes = 32 time = 0ms TIL=181 Reply from 10.0.0.5 bytes = 32 time = 0ms TIL=181 Ping statistics for 10.0.0.5: Packets: Sent= 4, Recent Received = 4, lost=001 Approximate round trip times in milli-seconds: minimum = 0ms, Maximum = 1ms, Average = 0ms DSwitch Learning Outcome: +) Switch does not establish connection immediately there is a centain time called learning time	batsal	Except to the one it receives the message
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Ping 10.0.0.5 Pinging 10.0.0.5 with 32 bytes of data: Reply from 10.0.0.5 bytes = 32 time = 0ms TIL=12 Reply from 10.0.0.5 bytes = 32 time = 1ms TIL=12 Reply from 10.0.0.5 bytes = 32 time = 1ms TIL=12 Reply from 10.0.0.5 bytes = 32 time = 0ms TIL=12 Reply from 10.0.0.5 bytes = 32 time = 0ms TIL=12 Ping statistics fex 10.0.0.5: Packets: Sent= 4, Recover Received = 4, lost = 0032 Approximate round txip times in milli-seconds: minimum = 0ms, Maximum = 1ms, Average = 0ms Powitch Learning Outcome: +) Switch does not establish connection immediately there is a contain time called learning time	,	the specified destination and destination or
Ping 10.0.0.5 Pinging 10.0.0.5 with 32 bytes of data: Reply from 10.0.0.5 bytes = 32 time = 0ms TIL=12 Reply from 10.0.0.5 bytes = 32 time = 1ms TIL=12 Reply from 10.0.0.5 bytes = 32 time = 1ms TIL=12 Reply from 10.0.0.5 bytes = 32 time = 0ms TIL=12 Reply from 10.0.0.5 bytes = 32 time = 0ms TIL=12 Ping statistics fex 10.0.0.5: Packets: Sent= 4, Recover Received = 4, lost = 0032 Approximate round txip times in milli-seconds: minimum = 0ms, Maximum = 1ms, Average = 0ms Powitch Learning Outcome: +) Switch does not establish connection immediately there is a contain time called learning time		responds by sending a packet
Ping 10.0.0.5 Pinging 10.0.0.5 with 32 bytes of data: Reply from 10.0.0.5: bytes = 32 time = 0ms TTL=121 Reply from 10.0.0.5: bytes = 32 time = 1ms TTL=121 Reply from 10.0.0.5: bytes = 32 time = 0ms TTL=121 Reply from 10.0.0.5: bytes = 32 time = 0ms TTL=121 Ping statistics fex 10.0.0.5: Packets: Sent= 4, Received = 4, lost=0/121 Approximate round txip times in milli-seconds: minimum = 0ms, Maximum = 1ms, Average = 0ms Dowitch Learning Outcome: +) Switch does not establish Connection immediately there is a contain time called learning time		
Reply from 10.0.0.5: bytes = 32 time = 0mg TIL=105 Reply from 10.0.0.5: bytes = 32 time = 0mg TIL=105 Reply from 10.0.0.5: bytes = 32 time = 1mg TIL=105 Reply from 10.0.0.5: bytes = 32 time = 1mg TIL=105 Reply from 10.0.0.5: bytes = 32 time = 0mg TIL=105 Ping statistics fox 10.0.0.5: Packets: Sent = 4, Received = 4, lost = 0006 Approximate round txip times in milli-seconds: minimum = 0ms, Maximum = 1ms, Average = 0ms 95witch Learning Outcome: +) Switch does not establish connection immediately there is a centain time called learning time		Result
Reply from 10.0.0.5: bytes = 32 time = 0mg TIL=105 Reply from 10.0.0.5: bytes = 32 time = 0mg TIL=105 Reply from 10.0.0.5: bytes = 32 time = 1mg TIL=105 Reply from 10.0.0.5: bytes = 32 time = 1mg TIL=105 Reply from 10.0.0.5: bytes = 32 time = 0mg TIL=105 Ping statistics fox 10.0.0.5: Packets: Sent = 4, Received = 4, lost = 0006 Approximate round txip times in milli-seconds: minimum = 0ms, Maximum = 1ms, Average = 0ms 95witch Learning Outcome: +) Switch does not establish connection immediately there is a centain time called learning time		
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Reply from 10.0.0.5: bytes = 32 time = 0ms TTL=101 Reply from 10.0.0.5: bytes = 32 time = 0ms TTL=101 Reply from 10.0.0.5: bytes = 32 time = 1ms TTL=101 Reply from 10.0.0.5: bytes = 32 time = 0ms TTL=101 Reply from 10.0.0.5: bytes = 32 time = 0ms TTL=101 Ping statistics fox 10.0.0.5: Packets: Sent = 4, Recorr Received = 4, lost = 0/000 Approximate round txip times in milli-seconds: minimum = 0ms, Maximum = 1ms, Average = 0ms Doutch Learning outcome: +) Switch does not establish connection immediately there is a contain time called learning time	dud	Pinging 10.0:0.5 with 32 bytes of data:
Reply from 10.0.0.5: bytes = 32 time = 0ms TIL=121 Reply from 10.0.0.5: bytes = 32 time = 1ms TIL=121 Reply from 10.0.0.5: bytes = 32 time = 0ms TIL=121 Ping statistics fox 10.0.0.5: Packets: Sent = 4, Recorr Received = 4, lost = 0/0816 Approximate round txip times in milli-seconds: minimum = 0ms, Maximum = 1ms, Average = 0ms Dowitch Learning outcome: +) Switch does not establish connection immediately there is a contain time called learning time	. dations	at betrames are adult flow bus
Reply from 10.0.0.5: bytes = 32 time = 0ms TIL=121 Reply from 10.0.0.5: bytes = 32 time = 1ms TIL=121 Reply from 10.0.0.5: bytes = 32 time = 0ms TIL=121 Ping statistics fox 10.0.0.5: Packets: Sent = 4, Recorr Received = 4, lost = 0/0816 Approximate round txip times in milli-seconds: minimum = 0ms, Maximum = 1ms, Average = 0ms Dowitch Learning outcome: +) Switch does not establish connection immediately there is a contain time called learning time		Reply from 10,0.0.5 : bytes = 32 time = 0ms TTL=125
Reply trom 10.0.0.5: bytes = 32 time = 1ms TTL=121 Reply trom 10.0.0.5: bytes = 32 time = 0ms TTL=121 Ping statistics fex 10.0.0.5: Packets: Sent = 4, Record Received = 4, Lost = 0/03/04 Approximate round trip times in milli-seconds: minimum = 0ms, Maximum = 1ms, Average = 0ms 35witch Learning Outcome: +) Switch does not establish Connection immediately there is a centain time called learning time	out has	Reply from 10.0.0.5: bytes = 32 time = 0m = TTL=125
Ping statistics fox 10.0.0.5: Packets: Seril = 4. Recover Received = 4. Lost = 0/04/04 Approximate round trip times in milli-seconds: minimum = 0 ms. 9. Maximum = 1 ms. Average = 0 ms. PSwitch Learning Outcome: +) Switch does not establish connection immediately there is a certain time called learning time.	dud a	Reply train 10.0.0.5: bytes = 32 time = 1ms TTL=121
Ping statistics for 10.0.0.5: Packets: Sent = 4, Recover Received = 4, Lost = 0 lost Approximate round trip times in milli-seconds: minimum = 0 ms, Maximum = 1 ms, Average = 0 ms Dowitch Learning Outcome: +) switch does not establish connection immediately there is a centain time called learning time	edud a	Reply from 10.0.0.5: bytes = 32 time = 0ms TTL=121
Packets: Sent = 4, Recover Received = 4, lost = 0/08/09 Approximate round trip times in milli-seconds: minimum = 0 ms, Maximum = 1 ms, Average = 0 ms Dowitch Learning Outcome: +) switch does not establish connection immediately there is a contain time called learning time	2220	a go betime want of batannes and
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Approximate round trip times in milli-seconds: minimum = 0 ms, Maximum = 1 ms, Average = 0 ms Dowitch Learning outcome: t) switch does not establish connection immediately there is a contain time called learning time		Packets: Sent = 4, Received = 4. Lost = 0/084
minimum = Oms, Maximum = Ims, Average = Oms Switch Learning Outcome: +) switch does not establish connection immediately there is a contain time called learning time		Approximate round trip times in milli-seconds:
Dearning outcome: +) switch does not establish connection immediately there is a contain time called learning time	sadarlda	minimum = 0 ms , Maximum = 1 ms, Average = 0 ms
there is a contain time called learning time	1	
there is a contain time called learning time	<u> Nambas</u>	25witch
there is a contain time called learning time		Learning outcome:
there is a contain time called learning time	A Real	+) switch does not establish connection immediately
and message cannot be done until The	0.0	and message connot be done until the
green light connection is established		green light connection is established



+) Switch only sends the message to the end device (Reciever) Result Ping 10.0.0.3 Pinging 10.0.0.3 with 32 bytes of data: Reply from 10.0.0.3: bytes = 32 time=0m5 TTL = 1280 Reply from 10.0.0.3: bytes = 32 time = 1m3 TTL = 128 Reply from 10.0.0.3: bytes=32 time=0ms TTL=128

Reply from 10.0.0.3: bytes=32 time=0ms TTL=128 Ping statistics for 10.0.0.3: Packets: sent = 4, Received = 4, Lost = 0 (0% Loss), Approximate round trip times in milli-seconds: minimum = Dms, Maximum = Ims, Average = Dms 3) Hybrid Learning Outcome: The switch first sends the message to all the hubs then learns about the IP address of the end system. Then it only sends message to the hub to which the end device is Result: Ping 10.0.0.12 pinging 10.0.0.12 with 32 bytes of data Ping statistics for 10.0.0.12: Packets: Sent = 4, Received=4, Lost= O Achi =VEX