

LAB - 1

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IBM18CS057

Q Create a topology and simulate sending a simple PDU from source to destination using hub and switch as connecting devices.

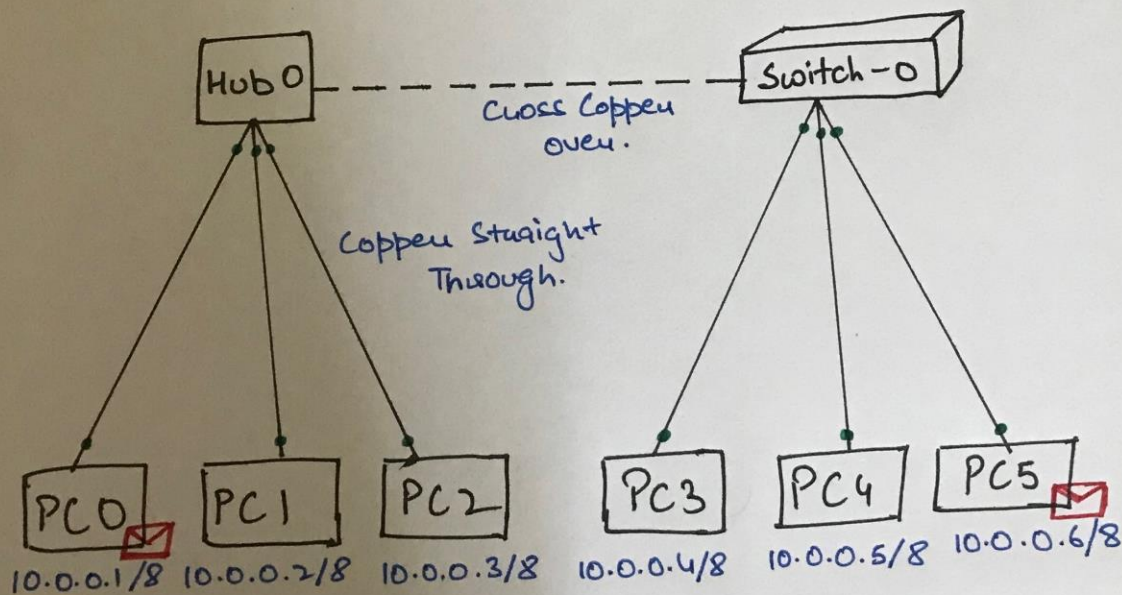
Hub:— Works as a broadcasting device.

Switch:— Works as a unicasting device.

They connected through Copper cross over cable.

Hub: Pout-0 UP
Pout-1 UP
Pout-2 UP
Pout-3 UP
Pout-4 DOWN
Pout-5 DOWN

Switch:- FastEthernet 0/1 UP
FastEthernet 0/2 UP
FastEthernet 0/3 UP
FastEthernet 0/4 UP
REST DOWN.



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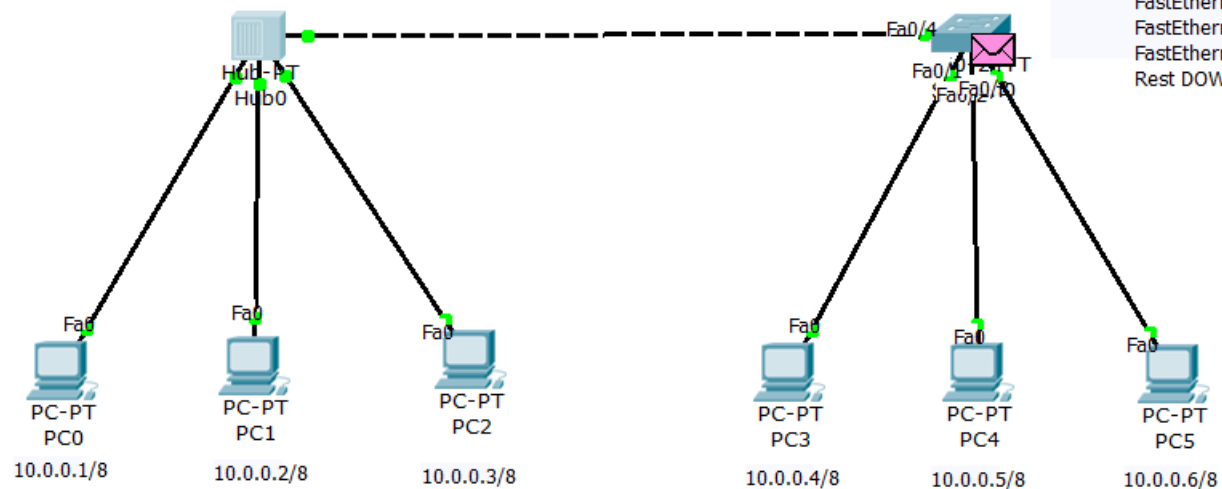
Create a topology and simulate sending a simple PDU from source to destination using hub and switch as connecting devices

Hub:- works as a broadcasting device

Switch:- Works as a unicasting device

Hub: - Port 0 UP
Port 1 UP
Port 2 UP
Port 3 UP
Port 4 DOWN
Port 1 DOWN









Switch:- FastEthernet0/1 UP
FastEthernet0/2 UP
FastEthernet0/3 UP
FastEthernet0/4 UP
Rest DOWN





Vis.	Time(se)	Last Device	At Device	Type	Info
	0.000	--	PC0	ICMP	
	0.000	--	PC0	ARP	
	0.001	PC0	Hub0	ARP	
	0.002	Hub0	PC1	ARP	
	0.002	Hub0	PC2	ARP	
	0.002	Hub0	Switch0	ARP	
	0.003	Switch0	PC3	ARP	

Vis.	Time(se)	Last Device	At Device	Type	Info
	0.003	Switch0	PC3	ARP	
	0.003	Switch0	PC4	ARP	
	0.003	Switch0	PC5	ARP	
	0.004	PC3	Switch0	ARP	
	0.005	Switch0	Hub0	ARP	
	0.006	Hub0	PC0	ARP	
	0.006	Hub0	PC1	ARP	

Vis.	Time(se)	Last Device	At Device	Type	Info
	0.006	Hub0	PC1	ARP	
	0.006	Hub0	PC2	ARP	
	0.006	--	PC0	ICMP	
	0.007	PC0	Hub0	ICMP	
	0.008	Hub0	PC1	ICMP	
	0.008	Hub0	PC2	ICMP	
	0.008	Hub0	Switch0	ICMP	

Vis.	Time(se	Last Device	At Device	Type	Info
	0.009	Switch0	PC3	ICMP	
	0.010	PC3	Switch0	ICMP	
	0.011	Switch0	Hub0	ICMP	
	0.012	Hub0	PC0	ICMP	
	0.012	Hub0	PC1	ICMP	
	0.012	Hub0	PC2	ICMP	
	0.735	--	Switch0	STP	

Fire	Last Status	Source	Destination	Type	Color	Time (sec)	Periodic	Num	Edit	Delete
	Successful	PC0	PC3	ICMP		0.000	N	0	(edit)	(delete)