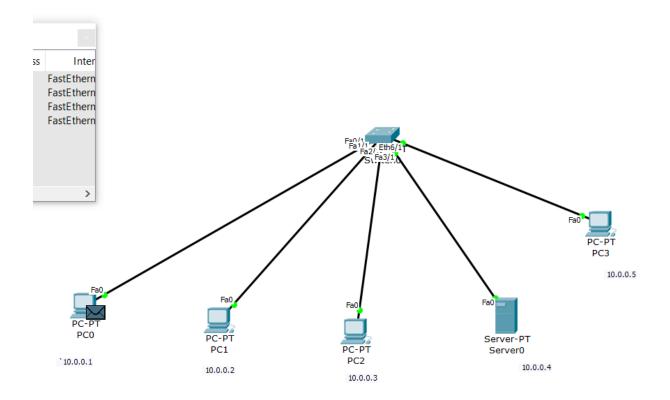
EXPERIMENT-8

To construct simple LAN and understand the concept and operation of Address Resolution Protocol (ARP)

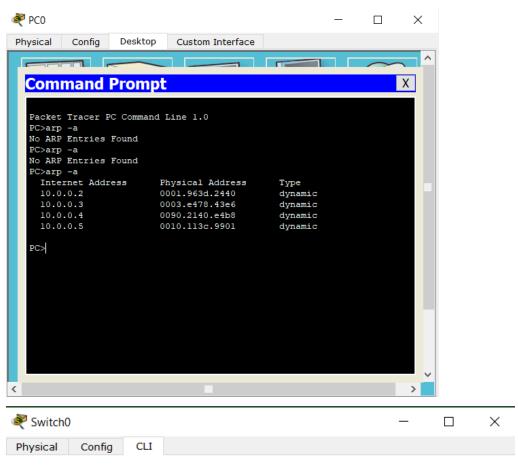
	Experie	nent-8		1	
Aim: Courses concept a Brotocol (AR)	suction of	f a sin	Addens	v to Resolutio	undest
Topology:	J., 19	and as	M20.1	us A	
od days the		witch			
		WITCH	0.88.343	Herein	10
			110	0	200
Seval	End Source	Cad Leves		0.4	
10.0.0.1	10.0.0.2	10.0.0.3	10.0	0.4	10,00,0
Proceduse:	Supra-	Maria da		11.3	
Rocadus	1 21	111	1	1	
1 Council 1	+ Plis av	da	Survey +	o a	switch
1 Assign I					
3 Use the	'inspect!	tool and	& which	01/	PC
do view i	tus ARP	table.			
a In com	nand prov	not of po	. 081	comm	and
alp - a	to vi	ew A	RP tabl	e. In	itialle
ARP Table	will be	10 montes			,
3 In the show or	CLI of	switch	use	comma	nd
show w	ac add	Ress-fab	b' do	obsu	god
Dr. 18	of the	switch			
b) In the	Simul	ation mo	de, coq	ture o	sachat
ARP Table (6) In the youn one updation of	device to	another	and '	obselve	d
updation of	ARP 4	able			

Result: In command prompt of 10.0.0.2 7 asp -a. Internet address Physical Address 10.0.0.1 0090.2650.0700 10.0.0.3 00 do. ba36. 9687 10.0.0.4 00do. 97ed. 5ae9		Typl. dynamic dynamic
7 asp -a. Internet addens Physical Addens 10.0.0.1 0090.2650.0700 10.0.0.3 00 d0. 6036, 9687		dynamic
Internet address Physical Address 10.0.0.1 0090.2650.0700 10.0.0.3 00 d0. 6036. 9687		dynamic
10.0.0.1 0090.2650.070a		dynamic
10.0.0.3 00 do. ba36, 9687		0
0		dynamic
10.0.0.5 0002, 17d5.(Oal	0	dynamic.
In CLI of switch		
> show mac-address-table		
Mac Address Table		
Volan Mac address Type		Posts
1 0002.17d5.10a0 dgna		Etholi
1 0003. e417. 62ds dyr		Faoli
1 0090. 2650.070a dyna		-1
- 4	namic	Fa2
Observation:		
ARP (Address Resolution	n Paot	ocol) is
a laves 3 protocol that is use	d to	find the
MAC address from the IP address	us. v	An ARP
based cast is sent seguesting Mf	ic ad	dress of
somisof montioned IP added. The	calle	d device
unicasts with its MAC address address is updated in the ARP	ws.	The MAC
address is updated in the ARP	tabl	le with

Topology:



Result:



IOS Command Line Interface

