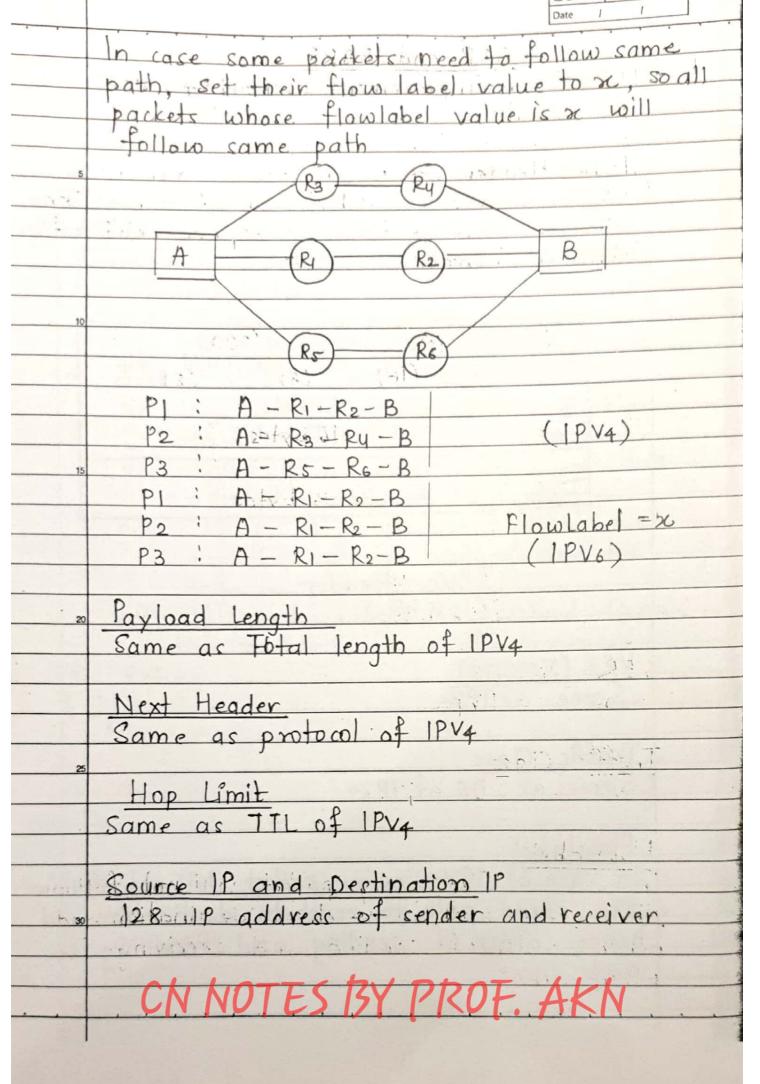
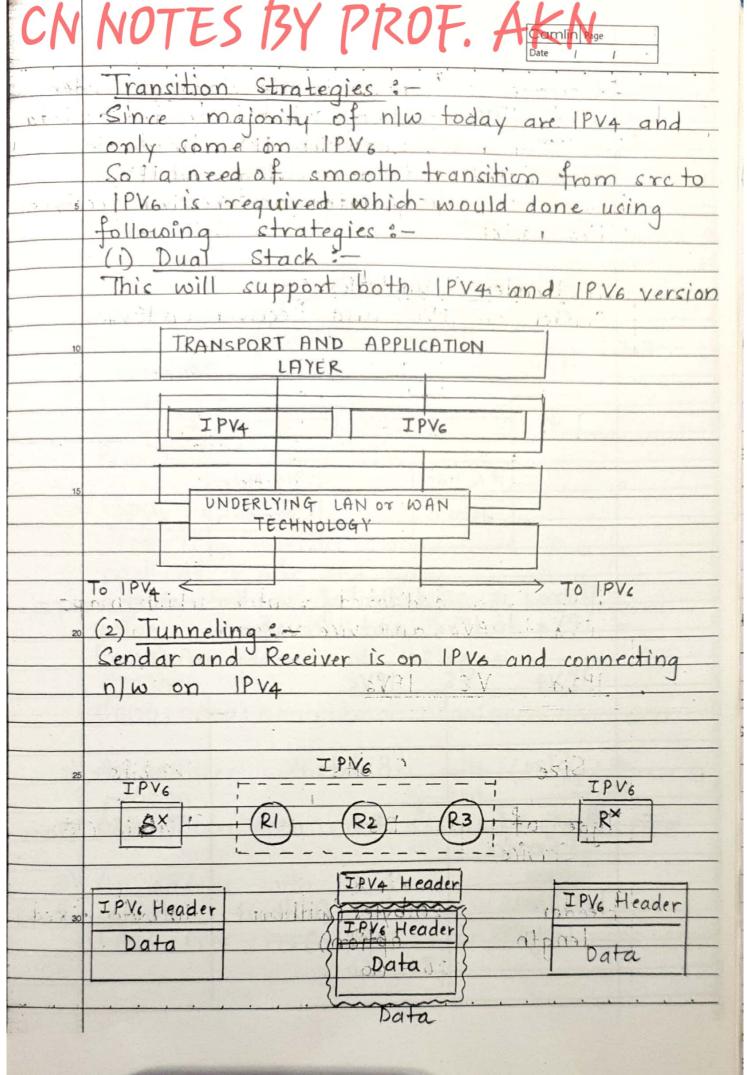
IPV6 is an improvement over IPV4 with size
of 128 bits
it see and it is a second
5 IPV6 Header :-
IPV6 Header is of 40 bytes and features like
options, fragmentation feilds are shifted to
extension header
10 TATE DE LA TIME CONTROL DE LA CONTROL DE
VER(4) Traffic(8) Flow Label (20)
Payload length (16) Next Hegder Hop, Limit
Source Address
(128 bits = 16 bytes).
Destination Address
Destination Address (128 bits = 16 bytes)
CN NOTES BY PROF AKN
IPV6 Header
(128 bits) diami
VER (Version)
Same as IPV4
* Traffic Class
Same as Ds of IPV4
The state of the s
Flowlabel
In cace of IPV+oitevery apacket will not follow
the same path to reach to destination and hence order of sending and receiving is
hence order of sending and receiving is
never same.
scannea wiin camsca





CN NOT	ES BY	PRO	F. Ak	Cam	lin Page
Caeq	5 1 V 6	packet	which	is treat	n sender .
i heade	eulated or is de packet.	pcapsulat	receiving	end	1PV4 er receives
(3)	leader T	ranslatio	n :-		
JPV	er on 19 HEAD	er Trans	SLATION .	IPV4	IPV4
S×	1	X	•	RX	
15	IPVE Hdr		Data		
There 20 1PV4	is a o	dedicated	route ce verso	r which	h maps
1PV4	1011	1PV6			
s Size	2	32 bit	2	28	bits
Type Ser	of rvice	bs		Tra	ffic Class
» Header Length		20 bytes (without option)		40	bytes fixed
	Ali	0 - 60		1	

C	N NOTES	BY PROF. AK				
, , ,	Options	Part of Header	Part of Extens" Header			
BAG	the business	the state of the s	111 11111			
	Fragment" field	Part of Header	Part of Ex. Header			
5	Flowlabel	Not Présent	Newly added, to make some packe			
	1		to follow same pa			
	Ti.					
10	No of Router	TTL	Hop limit			
	limitato.					
	the state of		Hexadecimal			
	IP Address	Binary, Decimal,	Hexadeama			
	Representato	Hexadecimal	<u> </u>			
15		The state of the s				
	IPV6 Addr	ressing ?-	1			
	100 IPV	Advoce ic divided in	o 8 parts			
(mar. 100)	anch of 16	hite and every 16	bits is			
	each of 16 bits and every 16 bits is					
	represented using 4 bigits of hexadecimal value each of 4 bits.					
20	Fg:-1) An address with 128 zeros					
	tg:-1) An adaress will					
	0000	0000:0000:0000:00	00:0000:0000			
*	0000:0000:0000:0000:0000:0000:0000					
	Λ	with 64 0's with =	followed by 641s			
22	An address with 64 0's with followed by 641's -0000					
	-0000 COOD! FFFF: FFFF: FFFF					
	0000:0000:					
	Λ 11	with 128 1'c				
3)	An address	WITH 120				
30	FFFF: FFFF	FFFF : FFFF : FFFF : I	FFFF: FFFF: FFFF			
CONTRACTOR OF THE						

	Camlin Page Date 1 1
1,	An address with 128 alternate 1'0 and 0's
	AAAA: AAAA: AAAA: AAAA: AAAA: AAAA: AAAA: AAAA
	An address with 64 0's and 1's followed by 64 two consecutive 1's and 0's
-	
A STATE	5\$55:555: 5555: 5555: cccc:cccc: cccc:ccc
~10	of the state of th
	An address with 32 bit of 3 is followed by o
1,	64 bits of 2'0's followed by 21's and 32 bit alternate 1's and 0's
	F1110 F00H
15	EFFE: FEEF! 3333: 3333: 3227:3333: AAAA: AAAA
	CN NOTES BY PROF. AKN
	HANDER OF THE PARTY OF THE PART
20	The state of the s
	The state of the s
S. Adjustin	
	WINDS TO BE A TO CO. SATE A DOLLAR SOLD FIRE A STREET
** 18 %	
25	to the marting of the second o
1111	