							classmate,		
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							1.5		
	Experiment - 11							i.	
	p 41		PUC	STUD	οY		,		
		1	106	2100		ROENIT	RANGA	NATHAN	
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1	2.2. V		CSE SWE 12						
		· ·			, j.* v. ,	1 1		0	
	1PVB	Addressin	a '	14			12.4		
	An IPV6 address is 128 bits, So 2 128								
	00	ldrepes.	It con	n be	reduc	rod to	32he	C	
	dig					.,			
				·)	<u>, </u>				
	Addressing Structure:								
		Netwo	rk Po	efix —	Ir	iterface?			
		32	16	16	,	64			
		, a , 1		1 1	·				
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	TSP /32								
		<u>Ou</u>	stome	r site/48					
	End Site Subnet/64								
						eviæ 1	28 bit	Adolvess	
				4		0.		å .	
	Addres	sing Model		· · · · · · · · · · · · · · · · · · ·					
7 .	•				\				
	(1) Unicast:								
		1) Unicast: Packet is sent to a single interface.							
		interest	: '\		. 1	4 _ 1	i i i		
	(2)	Anycost: Packet is	0	h 1 1	0 +	11	•	1 L 1 -	
		Yacket is	Sen	t to th	he near	rest of	group	un Teryace	
10.			٠,		· / ·	. •	١.		

3 Multicast:
Packet is sent to multiple interfaces

Address Range: ::/128 · Unspecified Address ::1/128 · Loop back 2000:13 · brlobal Unicast (0010) FE 80::/10 · Link Local (1111 1110 10) FE00 ::/8 · Multicast Address (1111 1111) FC00 ::17 Unique Local Address PREFIXES ! bits that have fixed values or are the bits of the Subnet profix -> An IPV6 prefix is written in address / profix-length notation. 21DA: D3: 0:2F3 B::/64 Local Addresses with network Prefix: A part of prefix C40 bits? are generaled warya pseudo random alfonithm. Similar to the RFC19 private address like in 1PV4 Orlobal Addresses with Network Prefix: · Calobal Unicast Address. 0010 2000 !: /3 -> 0011 3FFF: FFFF: /3

· 6 to 4 Addresses. Designed for a special tunelling mechanism [RFC 3050] to connect IPV6 Domains Via 1PV4 Clouds. need 6 toy relay nouters in ISP network 1PV6 Auto Configuration: -> Enables the host to assign a IPV6 address on its own. 1) Stateless Mechanism -> Suitable for small organisations and individuals -> hosts determines its addresses from the contests of received router advertisements

I have IEEE EUI-64 Standard to define the network ID portion of the address.

-> No Additional Servers. -> No Manual Configuration. 2 Stateful Mechanism. Tor situs & organisations that require tighter control over exact address assignments.

Needs a DHCP Server. -> Also maintains state information.