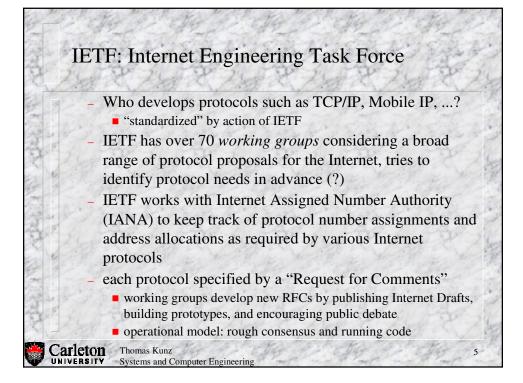
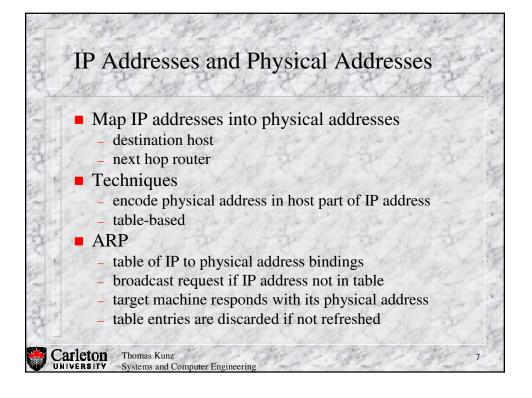
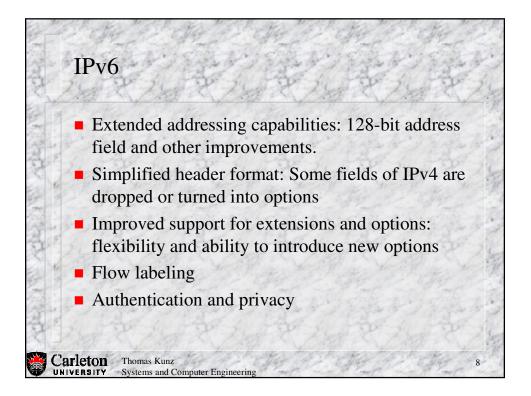


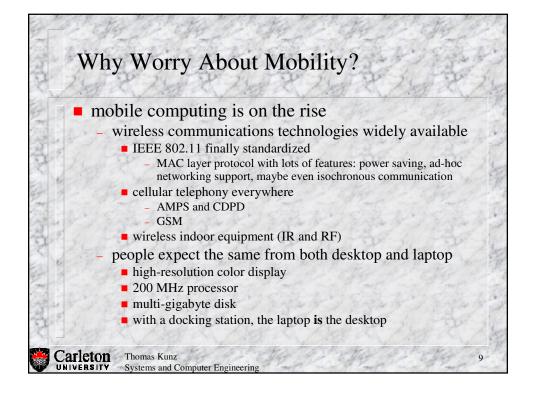
Application	Ping	Telnet	FTP	SMTP	SNMP	Trace Route	
(Host-to-Host)	DNS	TFTP	BOOTP	RIP	OSPF	others	
Transport	тс	ТСР		UDP		ICMP	
Network	- King the	290.29		- Kar	Margin Pro	King !	
Data Link	LLO	С	HDLC			PPP	
Data Link	Ethernet 802	2.3t X.25	Token Ring	Frame Re	ay ATM S	SMDS E	
Physical	Fiber Opti	ics UT	P Coaxial	1 TP	Satellite	STP	

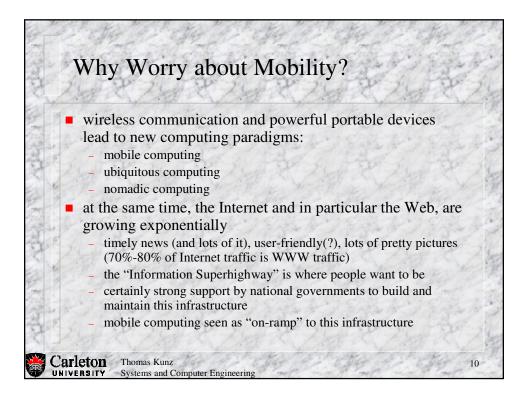


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1.50	1000	81.29	CAR CO	A ME CON	AND PAL	
Class A	0 1 2 3 4	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 3 Network ID Host ID				
Class B	1 0	Network	ID	Host ID		
Class C	1 1 0		Network ID		Host ID	
Class D	1 1 1 0	0 Multicast Address				
Class E	1 1 1 1 0	1 1 1 1 0 Reserved				
24	TP 1	1	1 100		Lug PP	
	No to the	class	# of Nets	# of hosts	P. C. R.	
	and the	A	127	16,777,214	Sall Street	
	A start	В	16,384	66,534		
2400	179 24	С	1,097,152	254	2 marte	











- What model of mobility
 - "nomadic clients": DHCP or similar solutions enough
 - Truly mobile: need to keep connections alive WHILE moving
- Where in the protocol stack

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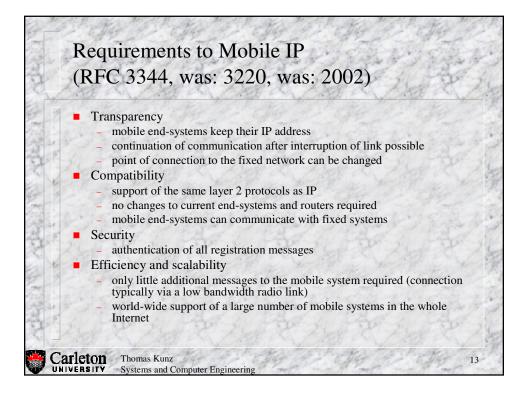
Systems and Computer Engin

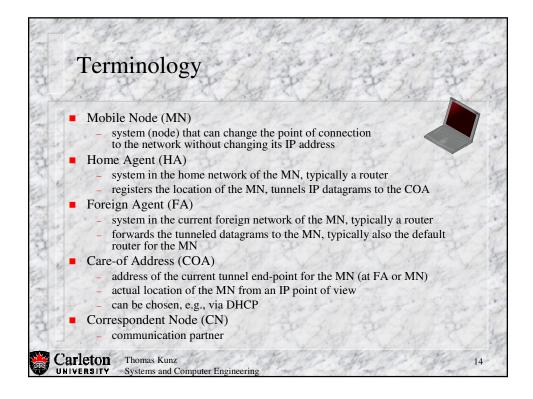
- IP is common glue, solve it once and for all at IP layer
- BUT: may be in contradiction to end-to-end argument

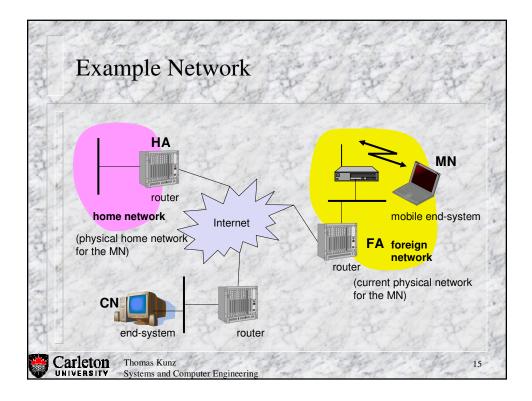
11

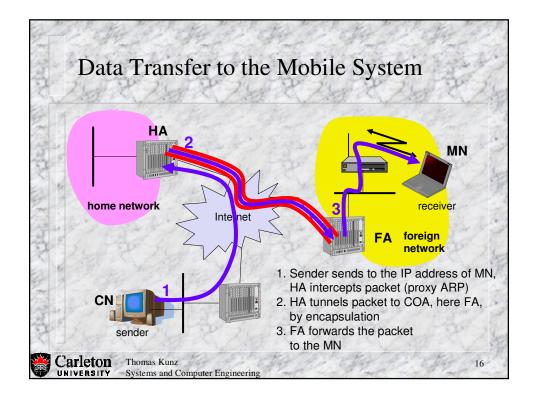
Other solutions/proposals exits, such as TCP connection migration

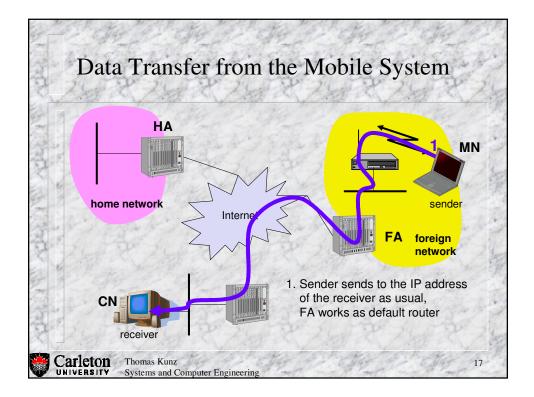
Motivation for Mobile IP Routing based on IP destination address, network prefix (e.g. 129.13.42) determines physical subnet change of physical subnet implies change of IP address to have a topological correct address (standard IP) or needs special entries in the routing tables Specific routes to end-systems? change of all routing table entries to forward packets to the right destination does not scale with the number of mobile hosts and frequent changes in the location, security problems Changing the IP-address? adjust the host IP address depending on the current location almost impossible to find a mobile system, DNS updates take to long time TCP connections break, security problems Carleton Thomas Kunz Systems and Computer Engineerin

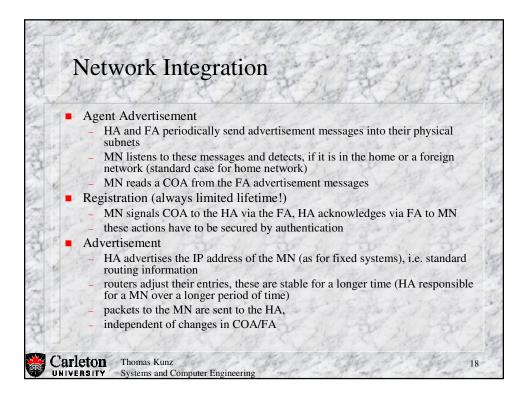


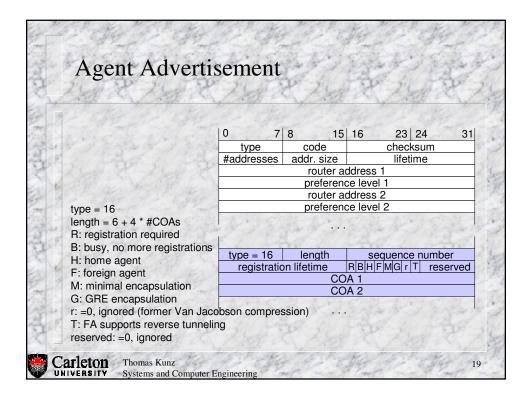


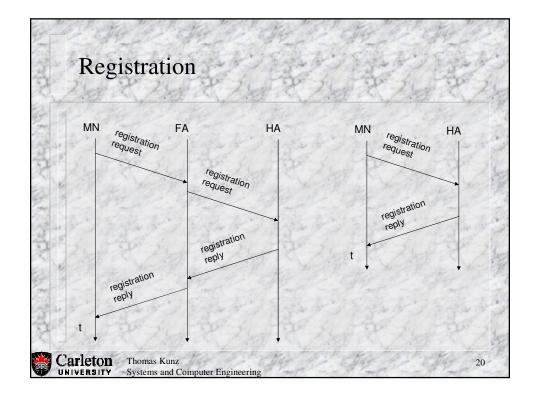


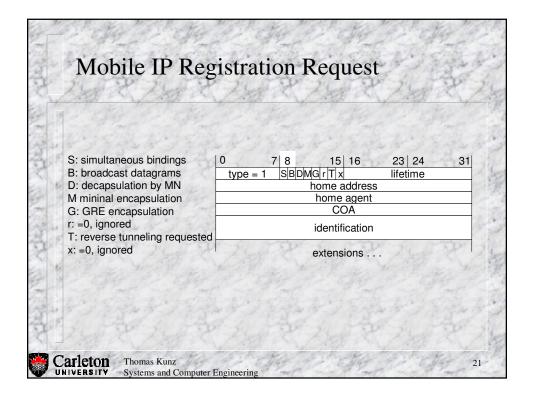


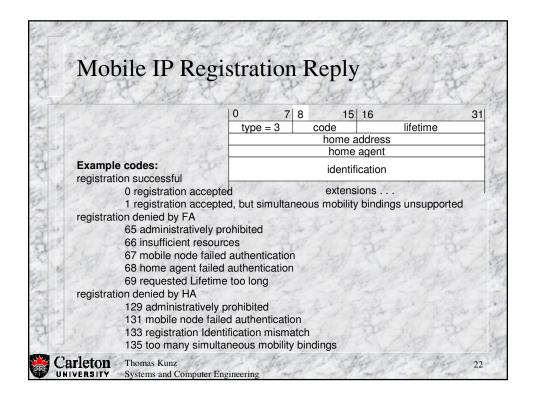












Enca	psulation	n N		のあい
	Cap Chi	original IP header	original data	
1 and	new IP header	new c	data	
1	outer header	inner header	original data	C. Street
Carleton	Thomas Kunz Systems and Comput	er Engineering	10 the	And the

