## **IPv6 and Overlays**

EE122 Introduction to Communication Networks Discussion Section

IPv6:	<b>Motivation</b>	
	mouration	

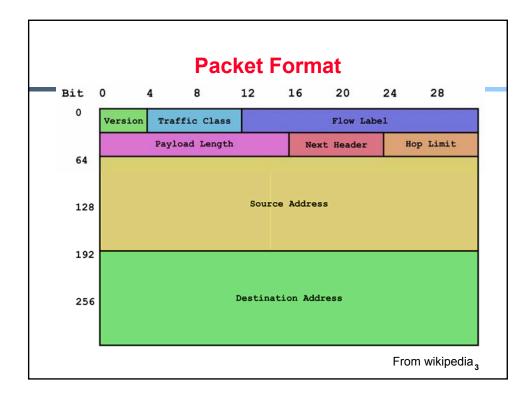
- Need for a larger address space
  - Explosive growth
  - Under-utilization by class A/B/C addresses

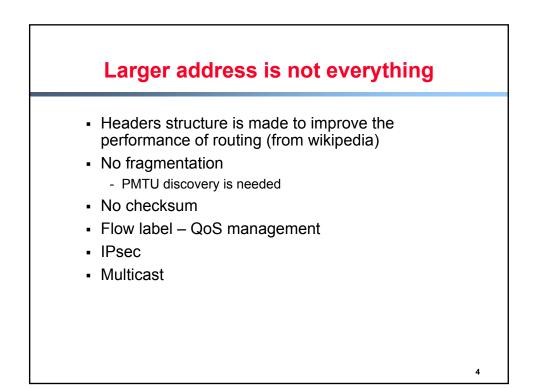
- Minus CIDR, NAT increase usable address space

## + Plus

Wireless sensor networks, ubiquitous computing require small devices have IP addresses

2





## Comparison of IPv4 and IPv6

	IPv4	IPv6
Address Size	32 bits	128 bits
Fragmentation	Supported	Not supported
Checksum	Yes	No
QoS	No	Yes
IPsec	No	Yes
Multicast	No	Yes

