CS 6/75995

 Internet-based

 Applications & Systems

 Design, 2001

 Kent State

 University

 Department of Computer Science

 LECTURE-3

















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1996 ISP Meltdown: AOL (19 hours), Netcom (13 hours), AT&T WorldNet (28 hours - email only) New Yorks' Public Access Networks Corp (PANIX) is shut down after repeated SYN attacks by a cracker using methods outlined in a hacker magazine (2600) Various US Government sites are hacked into and their content changed, including CIA, Department of Justice, Air Force MCI upgrades Internet backbone adding ~13,000 ports, bringing the effective speed from 155Mbps to 622Mbps.	INTERNET BASED SYSTEMS DESIGN
Technologies of the Year: Search engines, JAVA, Internet Phone	LECT-1, S-103 IAD2001F, javed@kent.edu Javed I. Khan@2000

1999	
Internet access becomes available to the Saudi Arabian (.sa) public in January, Somalia gets its first ISP - Olympic Computer (Sep), .ps is registered to Palestine (11 Oct)	INTERNET BASED SYSTEMS DESIGN
MCI/Worldcom, the vBNS provider for NSF, begins upgrading the US backbone to 2.5GBps .	
First Internet Bank of Indiana, the first full-service bank available only on the Net, opens on 22 February	
MCI/Worldcom launches vBNS+, a commercialized version of vBNS	
RFC 2550 Proposes the solution of Y10K and Beyond	
Technologies of the Year: E-Trade, Online Banking, MP3 Emerging Technologies: Net-Cell Phones, Thin Computing,	
Embedded Computing	LECT-1, S-106 IAD2001F, javed@kent.edu

Summary	
DARPA DARPA DCA DARPA DCA NSF FNC/CCIRN/COMM'L AB ARPANET INTERNET Demonstrated TCP/IP ARPANET ARPANET TO TCP/IP Invented Widely Used Initiated First MILNET/ARPANET Split Operational Split Split Commented Split Sp	INTERNET BASED SYSTEMS DESIGN
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