

ARPA: Advanced Research Projects Agency Arrow Part of the Department of Defense Funds defense-related projects	
 In the late 1960s, ARPA-funded researchers used ARPA-funded mainframes If in different locations, needed a leased line and a terminal—maybe multiple lines and terminals An ARPA official found this wasteful 	
 Solution: Connect the mainframes and terminals to a network and give everybody one terminal 	
 The ARPANET, the first packet-switched network, was born 	
2 Octobe	er 30, 2000



















Ver	iSion [*] clobal Registry	
	BIND History	
L	• First version was 4.8, released 1985	
	 Last version in the BIND 4 release stream was 4.9.7 	
	 BIND 8.1 released 1997 	
	 Support for dynamic update and NOTIFY 	
	 Last version in the BIND 8 release stream probably will be 8.2.3 	
	 BIND 9.0.0 released October 6, 2000 	
	 Support for incremental zone transfer and more 	
	 9.0.1 expected in November 	
12		October 30, 2000















VeriSign Global Registry	rrent Top	<u>-Leve</u> LC)omains
Generic TLDs (gTLDs) COM Commercial Organizations NET Network Infrastructure ORG Other Organizations	Country Code TLDs (ccTLDs) AF Afghanistan AL Albania DZ Algeria YU YUgoslavia ZM Zambia	International TLDs (ITLDs) INT International Treaty Organization ARPA (Transition Device)	US Legacy TLDs (usTLDs) GOV Governmental Organizations MIL Military Organizations EDU Educational Institutions
20	ZW Zimbabwe		October 30, 2000











































































VeriSign Global Registry	t_of_l	nter	met Root Nar	ne				
Servers								
	3600000	IN NS	A.ROOT-SERVERS.NET.					
A.ROOT-SERVERS.NET.	3600000	A	198.41.0.4					
	3600000	NS	B.ROOT-SERVERS.NET.					
B.ROOT-SERVERS.NET.	3600000	A	128.9.0.107					
	3600000	NS	C.ROOT-SERVERS.NET.					
C.ROOT-SERVERS.NET.	3600000	A	192.33.4.12					
	3600000	NS	D.ROOT-SERVERS.NET.					
D.ROOT-SERVERS.NET.	3600000	A	128.8.10.90					
	3600000	NS	E.ROOT-SERVERS.NET.					
E.ROOT-SERVERS.NET.	3600000	А	192.203.230.10					
	3600000	NS	F.ROOT-SERVERS.NET.					
F.ROOT-SERVERS.NET.	3600000	А	192.5.5.241					
	3600000	NS	G.ROOT-SERVERS.NET.					
G.ROOT-SERVERS.NET.	3600000	А	192.112.36.4					
	3600000	NS	H.ROOT-SERVERS.NET.					
H.ROOT-SERVERS.NET.	3600000	А	128.63.2.53					
	3600000	NS	I.ROOT-SERVERS.NET.					
I.ROOT-SERVERS.NET.	3600000	A	192.36.148.17					
	3600000	NS	J.ROOT-SERVERS.NET.					
J.ROOT-SERVERS.NET.	3600000	А	198.41.0.10					
	3600000	NS	K.ROOT-SERVERS.NET.					
K.ROOT-SERVERS.NET.	3600000	А	198.41.0.11					
	3600000	NS	L.ROOT-SERVERS.NET.					
L.ROOT-SERVERS.NET.	3600000	А	198.32.64.12					
	3600000	NS	M.ROOT-SERVERS.NET.					
M.ROOT-SERVERS.NET.	3600000	А	198.32.65.12					
58				October 30, 2000				























































