



Internet Routing Table Analysis Update

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Internet Routing Table Analysis

- Changes:
 - Exhaustive search of 192/8 space for unallocated and unassigned addresses
 - Count of prefixes smaller than registry allocation fixed
- Full Stats on APNIC web page
 - <http://www.apnic.net/stats/bgp>

Routing Report 30 April, 2002

BGP routing table entries examined	114093
Prefixes after maximum aggregation	72846
Unique aggregates announced to Internet	53057
Total ASes present in the Internet Routing Table	12989
Origin-only ASes present in the Internet Routing Table	11261
Origin ASes announcing only one prefix	4950
Transit ASes present in the Internet Routing Table	1728
Transit-only ASes present in the Internet Routing Table	54
Average AS path length visible in the Internet Routing Table	5.4
Max AS path length visible	17
Illegal AS announcements present in the Routing Table	3
Non-routable prefixes present in the Routing Table	0
Prefixes being announced from the IANA Reserved Address blocks	45
Number of addresses announced to Internet	1164198460
Equivalent to 69 /8s, 100 /16s and 66 /24s	
Percentage of available address space announced	31.4
Percentage of allocated address space announced	58.5
Percentage of available address space allocated	53.7
Total number of prefixes smaller than registry allocations	47536

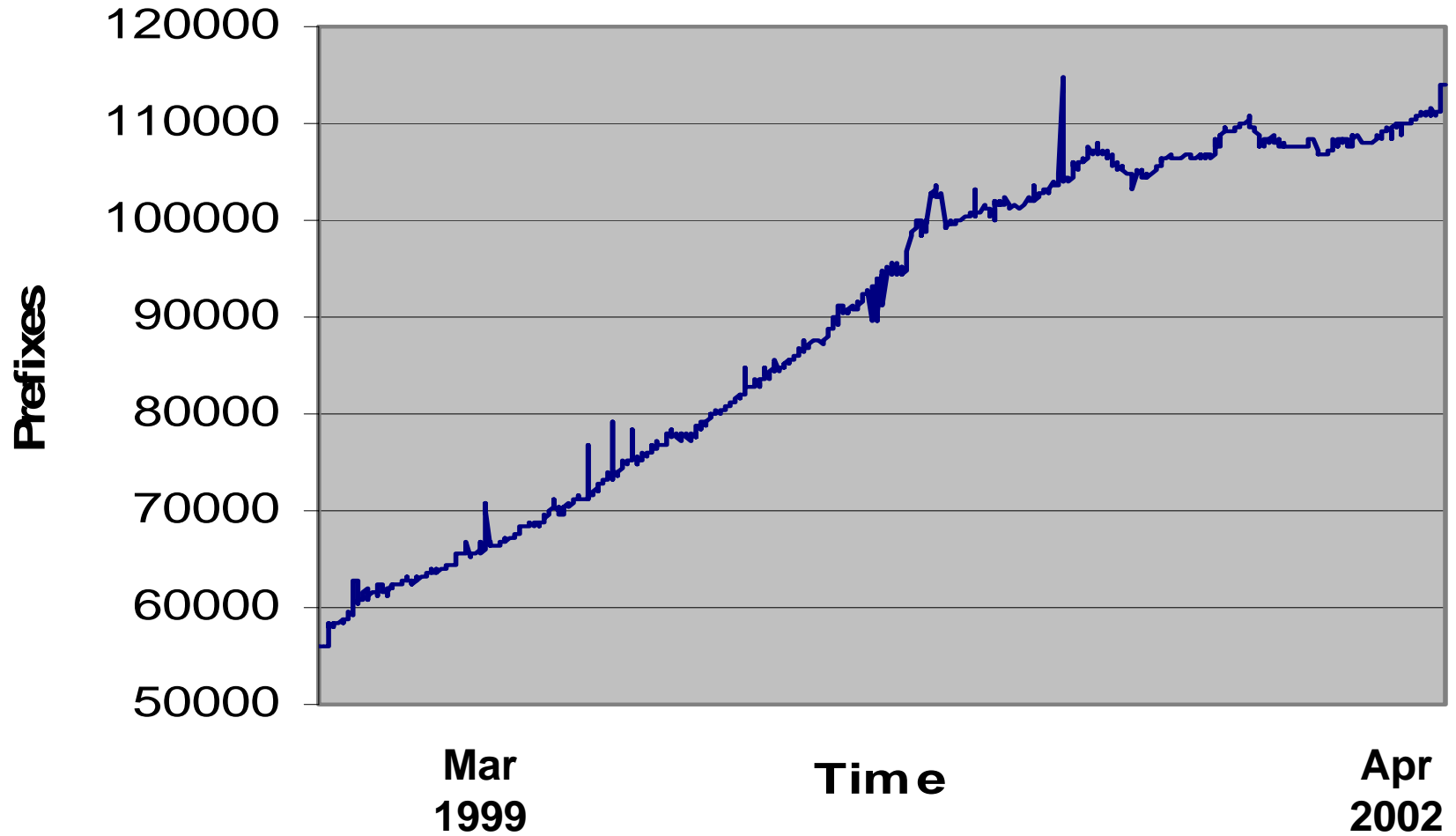
Advertised IANA Reserved Addresses

Network	Origin AS	Description
39.0.0.0/8	4554	Exchange Point Blocks
132.0.0.0/10	568	DISO-UNRRA
134.137.0.0/16	7170	AT&T Government Markets
135.0.0.0/13	10455	Lucent Technologies
137.0.0.0/13	568	DISO-UNRRA
138.94.0.0/16	1	BBN Planet
144.7.0.0/16	701	UUNET Technologies, Inc.
153.36.0.0/14	701	UUNET Technologies, Inc.
153.147.0.0/16	3561	Cable & Wireless USA
154.150.0.0/16	6494	IDCI
158.0.0.0/13	568	DISO-UNRRA
164.233.0.0/16	6020	DISA NETWORK SERVICES
192.31.126.0/23	1103	SURFnet BV
192.31.128.0/21	1103	SURFnet BV
192.44.0.0/19	702	UUNET Technologies, Inc.
192.72.0.0/18	4780	Digital United Inc.
192.72.0.0/16	4780	Digital United Inc.
192.83.1.0/24	5515	Sonera Finland Autonomous Sys
192.83.2.0/24	5515	Sonera Finland Autonomous Sys
192.83.8.0/21	5515	Sonera Finland Autonomous Sys
192.83.14.0/24	5515	Sonera Finland Autonomous Sys
192.83.16.0/20	5515	Sonera Finland Autonomous Sys
192.83.25.0/24	5515	Sonera Finland Autonomous Sys

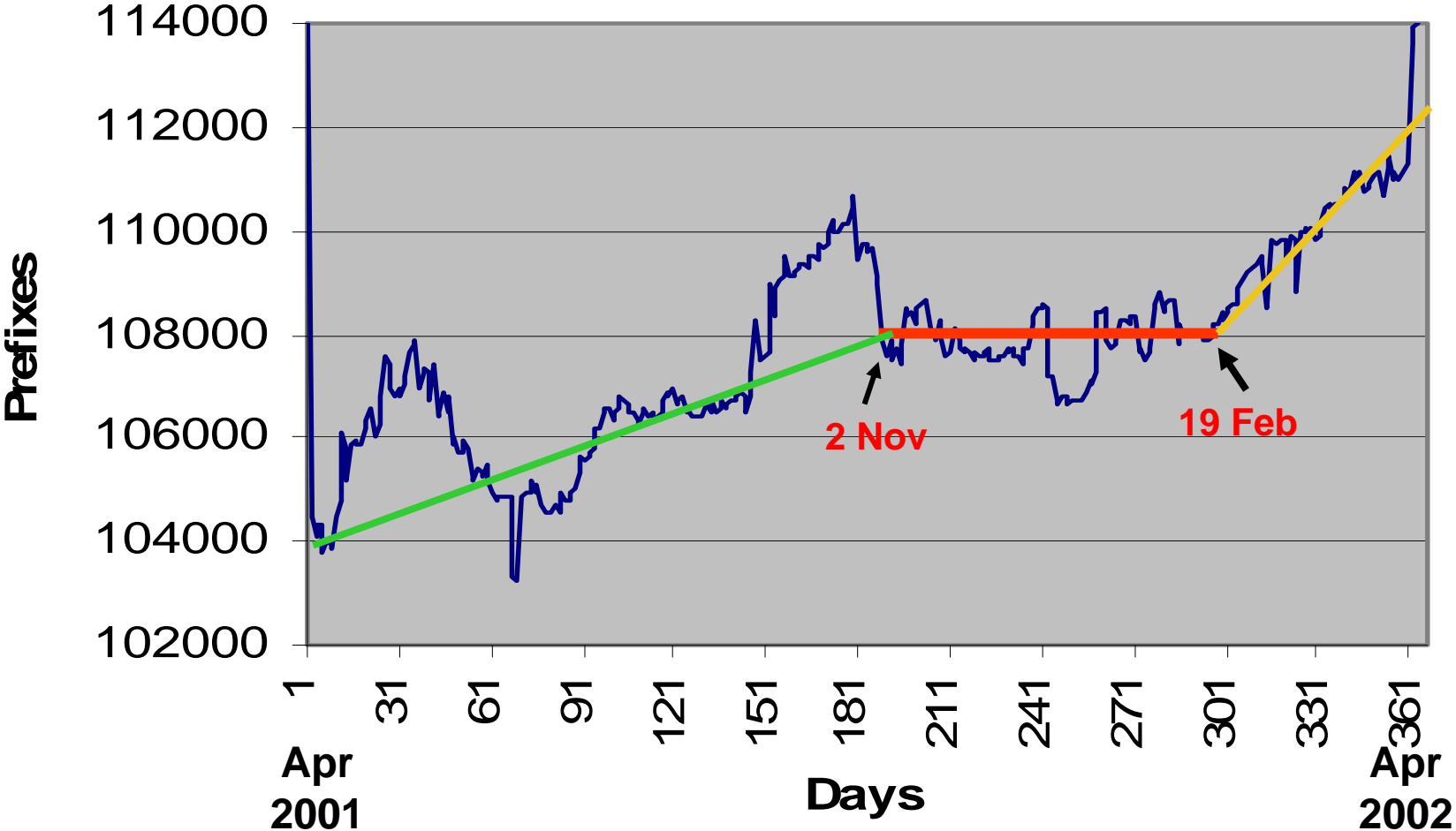
Advertised IANA Reserved Addresses

Network	Origin AS	Description
192.83.32.0/19	5515	Sonera Finland Autonomous Sys
192.83.96.0/22	5515	Sonera Finland Autonomous Sys
192.83.100.0/24	5515	Sonera Finland Autonomous Sys
192.91.198.0/24	2568	CTS Network Services
192.92.167.0/24	297	NASA Science Network
192.119.135.0/24	270	NASA
192.135.50.0/24	7018	AT&T
192.135.248.0/23	109	Cisco Systems, Inc.
192.136.79.0/24	719	LANLINK autonomous system
192.136.86.0/24	719	LANLINK autonomous system
192.136.87.0/24	719	LANLINK autonomous system
192.136.88.0/24	719	LANLINK autonomous system
192.139.62.0/24	6539	GT Group Telecom Services Cor
192.140.0.0/16	5511	France Telecom
192.152.213.0/24	1239	Sprint
192.153.136.0/21	568	DISO-UNRRA
192.156.0.0/19	568	DISO-UNRRA
192.172.0.0/19	568	DISO-UNRRA
192.195.253.0/24	237	Merit Network
192.208.29.0/24	3908	Supernet, Inc.
192.208.30.0/23	3908	Supernet, Inc.
192.243.36.0/23	7168	Northwest Link

BGP Table Growth



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Final Slide...

- Any comments/discussion?