



2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.09.02 2001:610:240 193.0.0.203
62.109.128 195.048.02.03 2001:610:240 193.0.0.202 62.109.128 195.048.02.03 178.12.09.02 2001:610:240 193.0.0.203
193.0.0.203 2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.09.02 2001:610:240 193.0.0.203
2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.09.02 2001:610:240 193.0.0.203

Number Resource Organization



INTERNET NUMBER RESOURCE STATUS REPORT

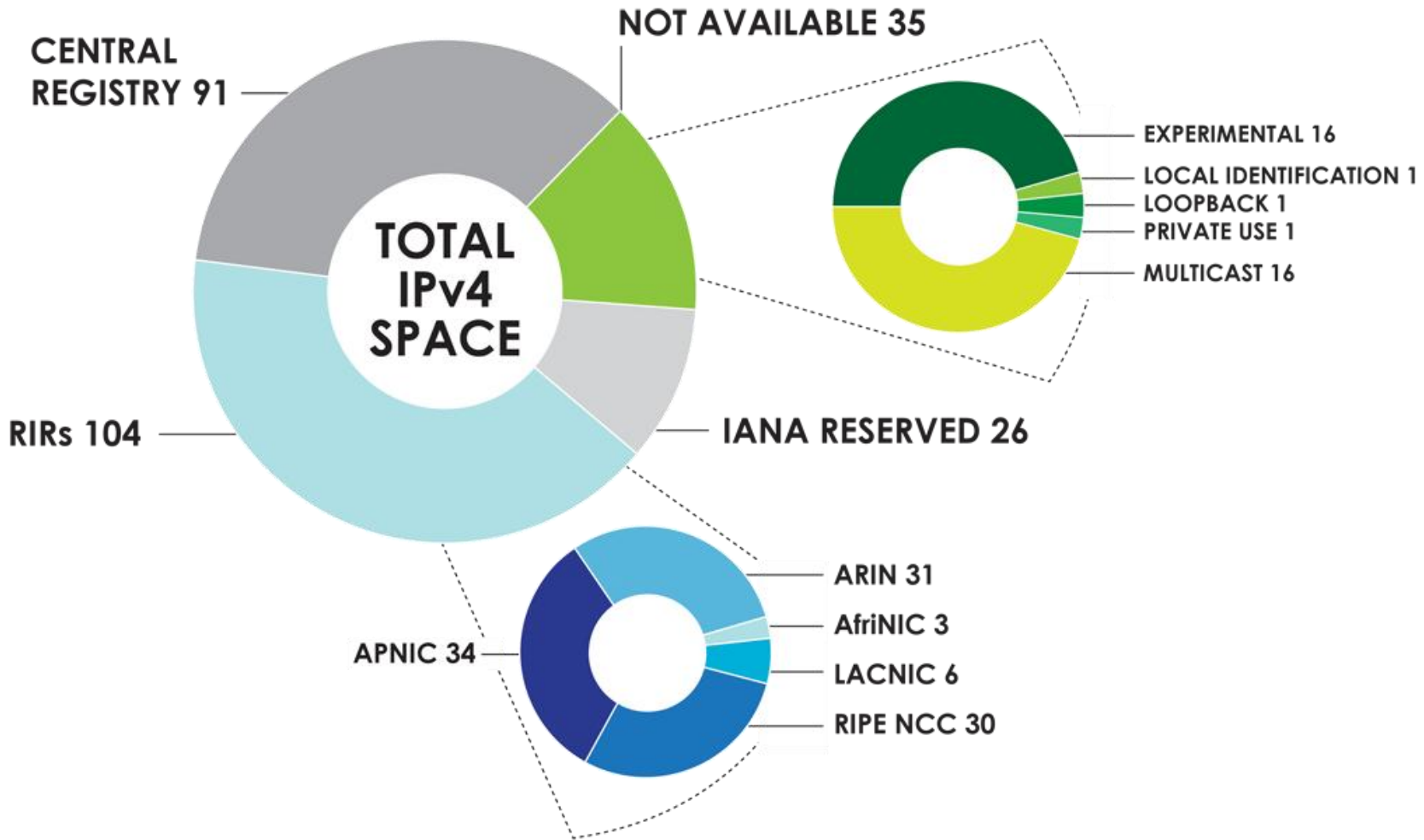
As of 30 September 2009

**Prepared by
Regional Internet Registries
AfrINIC, APNIC, ARIN, LACNIC and the RIPE NCC**

2001:610:240:0-193:0:0:202 62:109:128 195:048:02:03 128 12 02 02 2001:610:240 193:0:0:203
62:109:128 195:048:02:03 2001:610:240 193:0:0:202 62:109:128 195:048:02:03 178:12:09:02 2001:610:240 193:0:0:203
193:0:0:203 2001:610:240:0-193:0:0:202 62:109:128 195:048:02:03 178:12:09:02 2001:610:240 193:0:0:203
2001:610:240:0-193:0:0:202 62:109:128 195:048:02:03 178:12:09:02 2001:610:240 193:0:0:203
Number Resource Organization

IPv4 ADDRESS SPACE

What is the status of each of the 256 /8s?



2001:610:240:0-1933:0:0:202 62:109:128-195:048:02:03 128:42:02:02 2001:610:240 193:0:0:203
 62:109:128-195:048:02:03 2001:610:240 193:0:0:202
 193:0:0:203 2001:610:240:0-193:0:0:202 62:109:128-195:048:02:03 178:12:09:02 2001:610:240 193:0:0:203
 2001:610:240:0-193:0:0:202 62:109:128-195:048:02:03 2001:610:240:0-193:0:0:202
 Number Resource Organization



IPv4 ADDRESS SPACE ISSUED (RIRs TO CUSTOMERS)

In terms of /8s, how much space did each RIR issue by year?

6 /8s

5

4

3

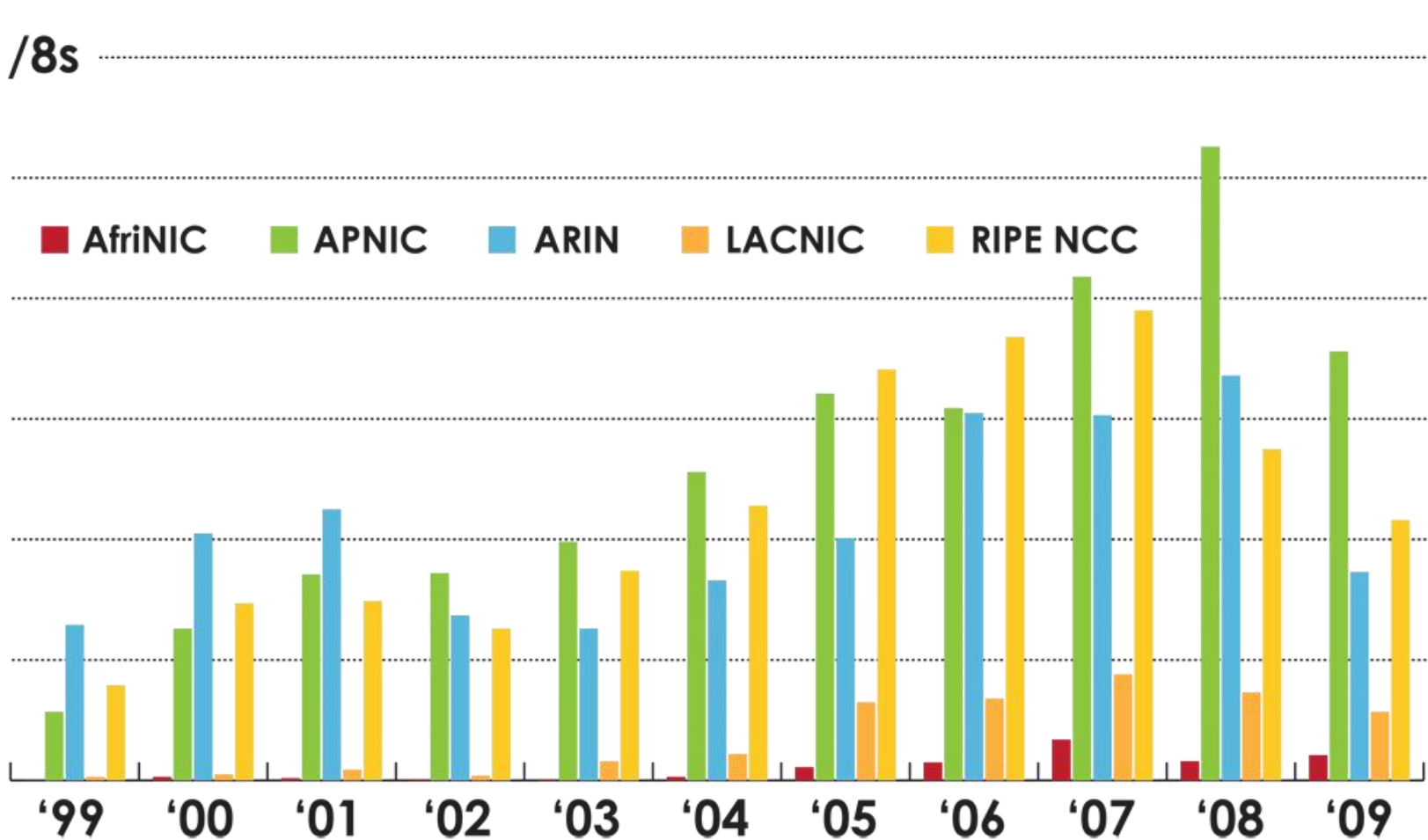
2

1

0

AfriNIC APNIC ARIN LACNIC RIPE NCC

'99 '00 '01 '02 '03 '04 '05 '06 '07 '08 '09



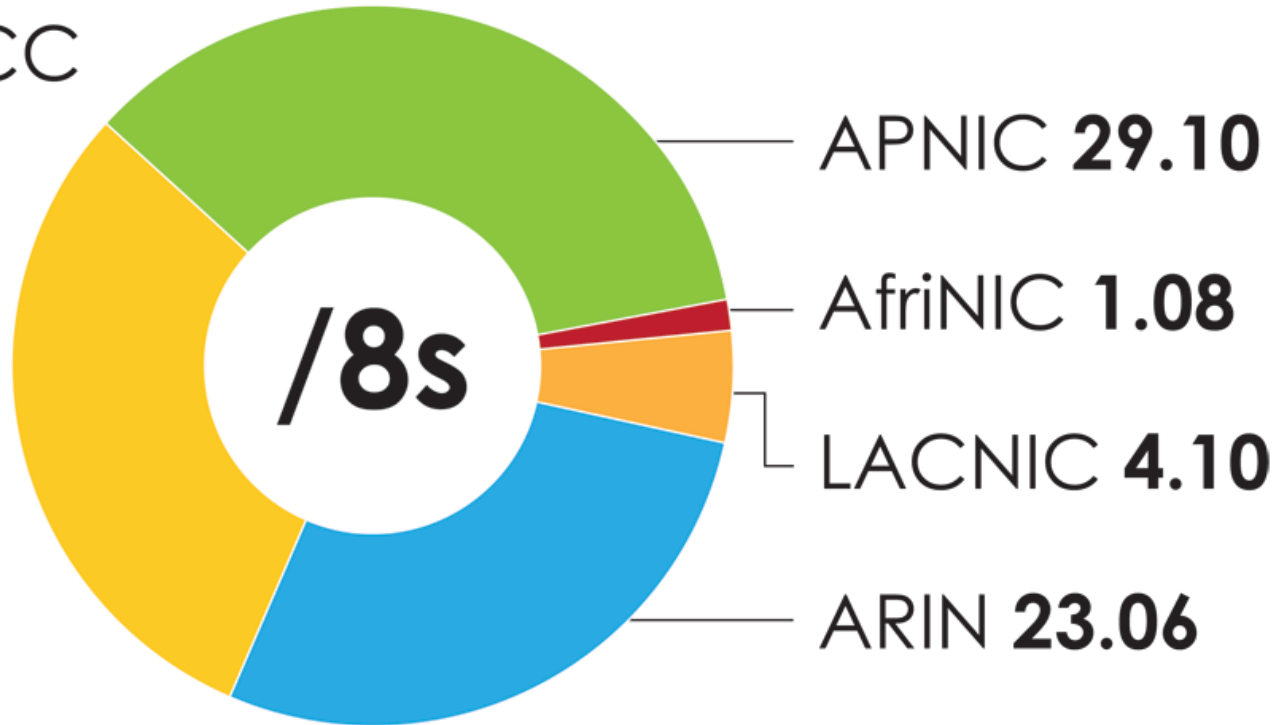
Number Resource Organization
1993.0.0.203
2001.6.10.240.0
193.0.0.202
62.109.128
195.048.02.03
178.12.09.02
2001.6.10.240
193.0.0.202
2001.6.10.240.0
193.0.0.202
62.109.128
195.048.02.03
178.12.09.02
2001.6.10.240
193.0.0.203
2001.6.10.240.0
193.0.0.202
62.109.128
195.048.02.03
178.12.09.02
2001.6.10.240
193.0.0.203
2001.6.10.240.0
193.0.0.202
62.109.128
195.048.02.03
178.12.09.02
2001.6.10.240
193.0.0.203



IPv4 ADDRESS SPACE ISSUED (RIRs TO CUSTOMERS)

In terms of /8s, how much total space has each RIR issued?
(Jan 1999 – Sep 2009)

RIPE NCC
24.92



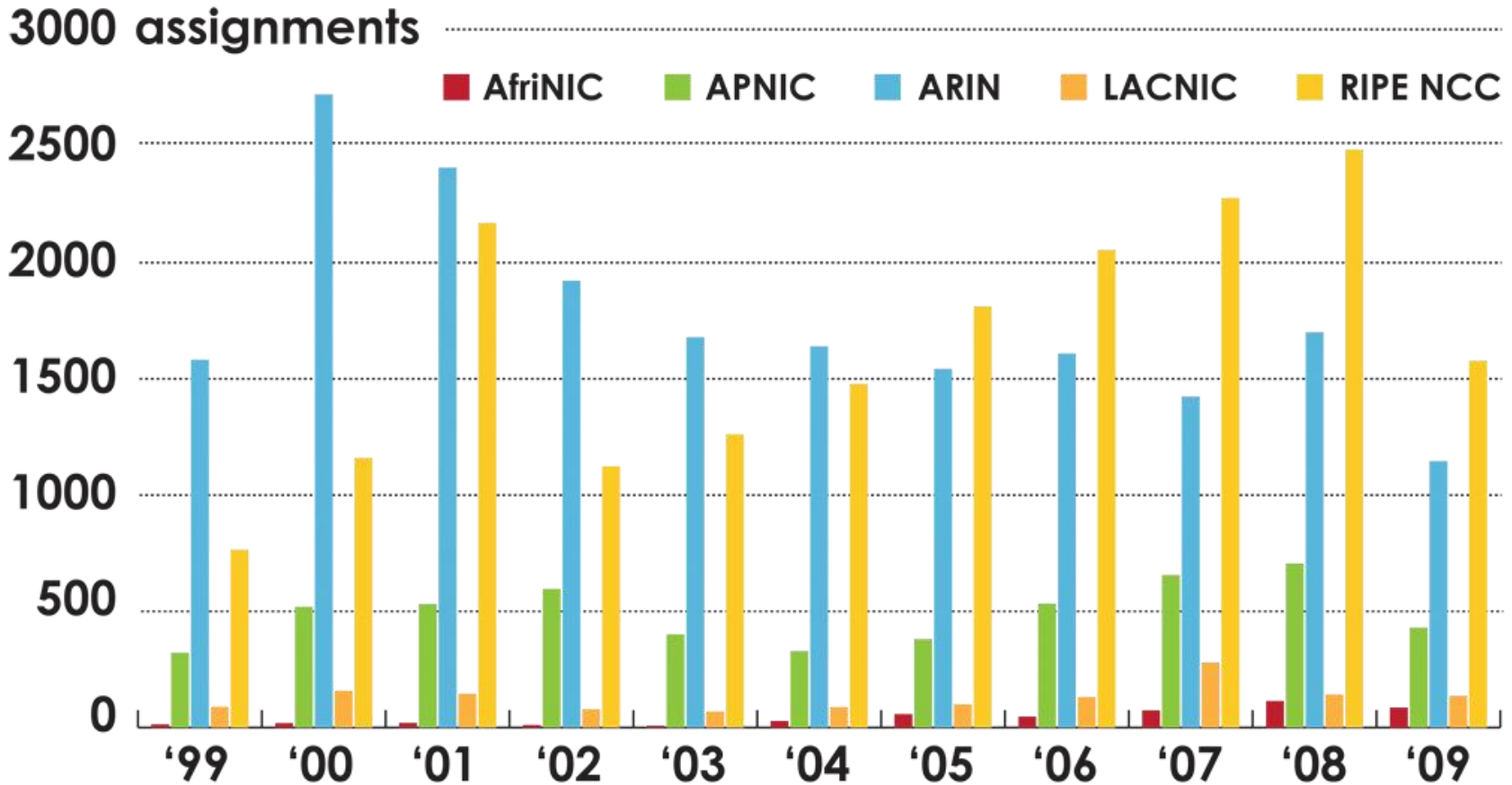
2001:610:240:0-193.0.0.202 62.109.128.195.048.02.03 128.195.048.02.03 178.12.09.02 2001:610:240 193.0.0.203
62.109.128.195.048.02.03 2001:610:240 193.0.0.203 2001:610:240 193.0.0.203
193.0.0.203 2001:610:240:0-193.0.0.202 62.109.128.195.048.02.03 178.12.09.02 2001:610:240 193.0.0.203
2001:610:240:0-193.0.0.202 62.109.128.195.048.02.03 178.12.09.02 2001:610:240 193.0.0.203

Number Resource Organization



ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

How many ASNs has each RIR assigned by year?



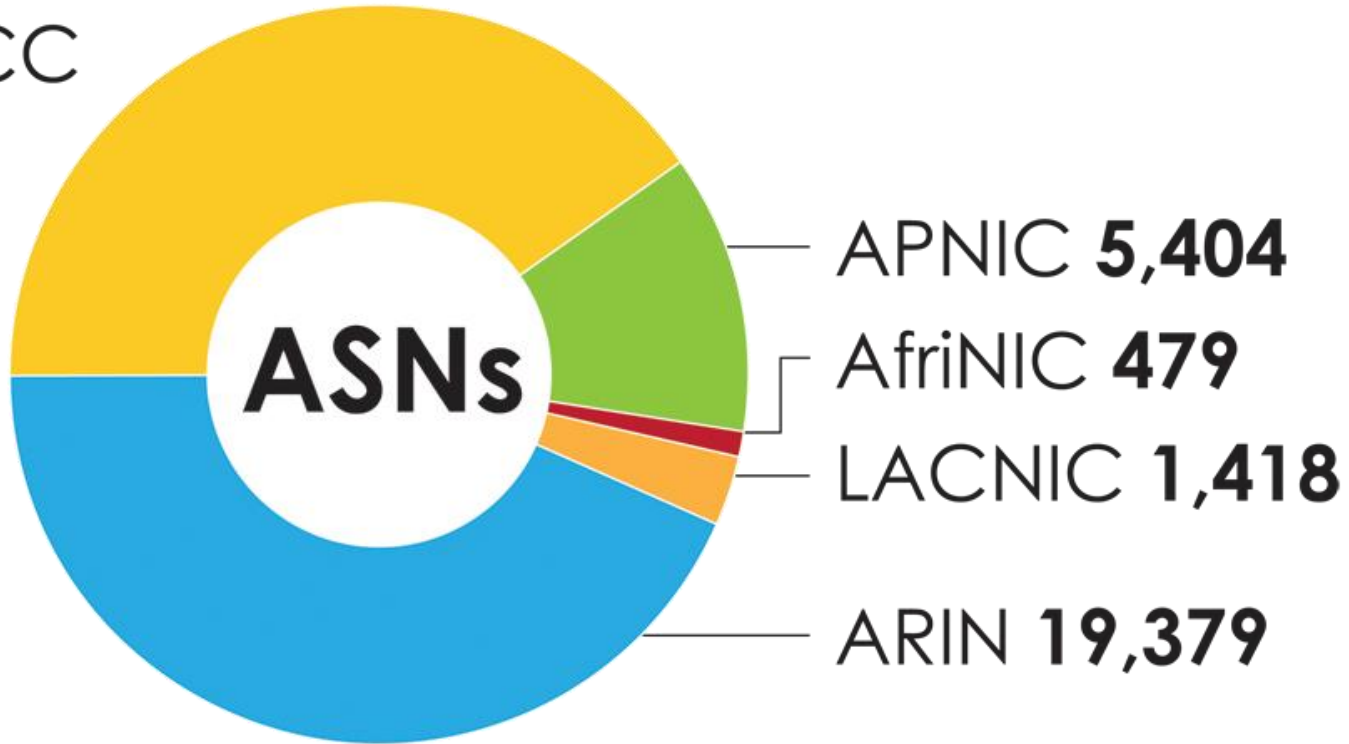
2001:610:240:0-193.0.0.202 62.109.128.195:048.02:03.178.12:09:02.2001:610:240.193.0.0.203
 62.109.128.195:048.02:03.178.12:09:02.2001:610:240.193.0.0.202
 193.0.0.203 2001:610:240:0-193.0.0.202 62.109.128.195:048.02:03.178.12:09:02.2001:610:240.193.0.0.203
 2001:610:240:0-193.0.0.202 62.109.128.195:048.02:03.178.12:09:02.2001:610:240.193.0.0.203
 Number Resource Organization



ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

How many total ASNs has each RIR assigned?
(Jan 1999 – Sep 2009)

RIPE NCC
18,170

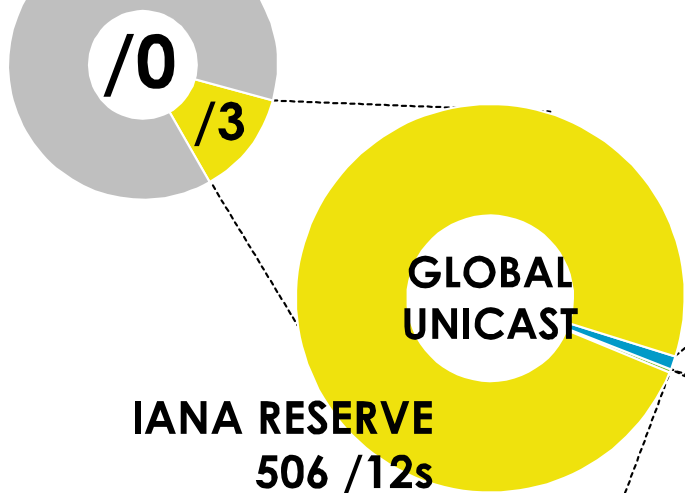


2001:610:240:0-193.0.0.202 62.109.128.195:048:02:03 128.12.12.02 2001:610:240 193.0.0.203
62.109.128.195:048:02:03 2001:610:240 193.0.0.202 62.109.128.195:048:02:03 178.12.09.02 2001:610:240 193.0.0.203
2001:610:240:0-193.0.0.202 62.109.128.195:048:02:03 2001:610:240 193.0.0.203
Number Resource Organization

IPv6 ADDRESS SPACE

How much has been allocated to the RIRs?

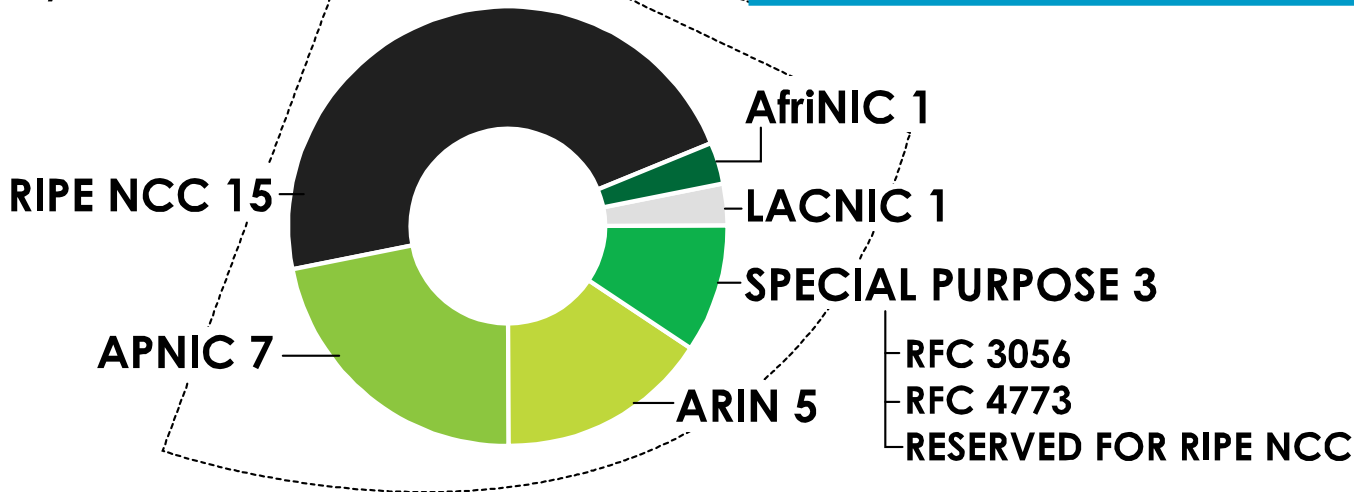
ALL IPv6 SPACE



GLOBAL UNICAST

RIRs 5 /12s (October 2006)

RIR	IPv6 ADDRESS
AfriNIC	2C00:0000::/12
APNIC	2400:0000::/12
ARIN	2600:0000::/12
LACNIC	2800:0000::/12
RIPE NCC	2A00:0000::/12



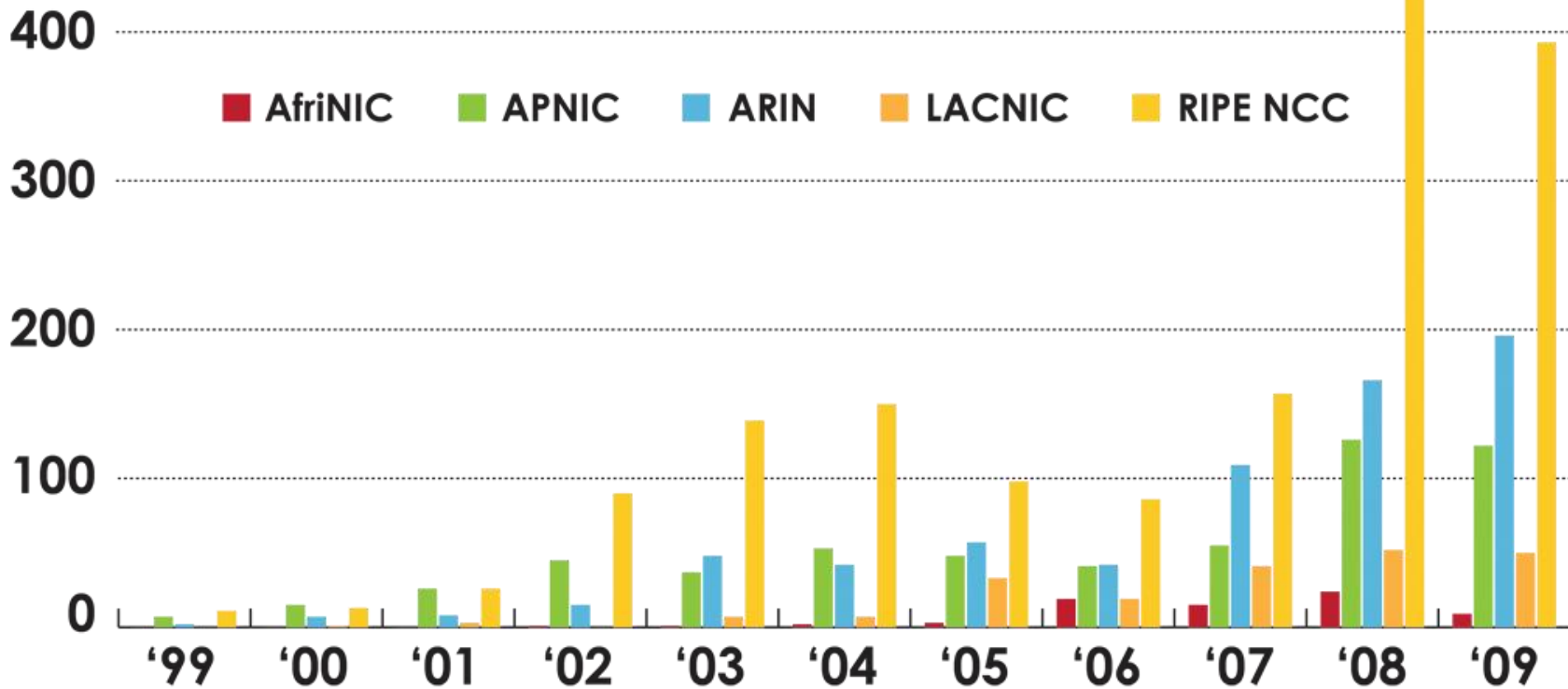
2001:610:240:0-1933:0:0:202 62:109:128 195:048:02:03 129:12:02:02 2001:610:240
 62:109:128 195:048:02:03 2001:610:240 193:0:0:202 62:109:128 195:048:02:03 178:12:09:02 2001:610:240 193:0:0:203
 193:0:0:203 2001:610:240:0-199:0:0:202 62:109:128 195:048:02:03 178:12:09:02 2001:610:240 193:0:0:203
 2001:610:240:0-193:0:0:202 62:109:128 195:048:02:03 178:12:09:02 2001:610:240 193:0:0:203
 Number Resource Organization



IPv6 Allocations RIRs to LIRs/ISPs

How many allocations have been made by each RIR by year?

500 allocations



193.0.0.203 2001:610:240:0 1993.0.0.202 62.109.128 195.048.02.03 179.12.09.02 2001:610:240 193.0.0.203
 2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 179.12.09.02 2001:610:240 193.0.0.203
 2001:610:240:0 1993.0.0.202 62.109.128 195.048.02.03 179.12.09.02 2001:610:240 193.0.0.203
 2001:610:240:0 1993.0.0.202 62.109.128 195.048.02.03 179.12.09.02 2001:610:240 193.0.0.203
 2001:610:240:0 1993.0.0.202 62.109.128 195.048.02.03 179.12.09.02 2001:610:240 193.0.0.203

Number Resource Organization



LINKS TO RIR STATISTICS

- RIR Stats:
www.nro.net/statistics
- Raw Data/Historical RIR Allocations:
www.aso.icann.org/stats
www.iana.org/assignments/ipv4-address-space
www.iana.org/assignments/as-numbers
www.iana.org/assignments/ipv6-unicast-address-assignments



thank you

2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.09.02 2001:610:240 193.0.0.203
62.109.128 195.048.02.03 2001:610:240 193.0.0.202 62.109.128 195.048.02.03 178.12.09.02 2001:610:240 193.0.0.203
193.0.0.203 2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.09.02 2001:610:240 193.0.0.203
2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.09.02 2001:610:240 193.0.0.203
Number Resource Organization