INTERNET NUMBER RESOURCE STATUS REPORT

As of 30 September 2015

Prepared by
Regional Internet Registries
AFRINIC, APNIC, ARIN, LACNIC and the RIPE NCC
IPv4 ADDRESS SPACE
What is the status of each of the 256 /8s?

STATUS OF 256 /8s IPv4 ADDRESS SPACE

TOTAL IPv4 SPACE

CENTRAL REGISTRY 91

RIRs 130

IANA RESERVED 0

NOT AVAILABLE 35

EXPERIMENTAL 16
LOCAL IDENTIFICATION 1
LOOPBACK 1
PRIVATE USE 1
MULTICAST 16

APNIC 45

ARIN 36
AFRINIC 5
LACNIC 9
RIPE NCC 35

Sept 2015
Internet Number Resource Report
AVAILABLE IPv4 /8s IN EACH RIR

- AFRINIC: 2.44
- APNIC: 0.66
- ARIN: 0
- LACNIC: 0.138
- RIPE NCC: 1.06

Sept 2015
IPv4 ADDRESS SPACE ISSUED
(RIRs TO CUSTOMERS)

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

- AFRINIC
- APNIC
- ARIN
- LACNIC
- RIPE NCC

Number Resource Organization

Internet Number Resource Report

Sept 2015
IPv4 ADDRESS SPACE ISSUED
(RIRs TO CUSTOMERS)

In terms of /8s, how much total space has each RIR issued?
(Jan 1999 – Sept 2015)

- RIPE NCC 34.80
- APNIC 44.89
- AFRINIC 4.46
- LACNIC 10.53
- ARIN 32.32
ASN ASSIGNMENTS (RIRs TO CUSTOMERS)
How many ASNs has each RIR assigned by year?

Internet Number Resource Report
Sept 2015
ASN ASSIGNMENTS (RIRs TO CUSTOMERS)
How many total ASNs has each RIR assigned?
(Jan 1999 – Sept 2015)

- ARIN 28,313
- AFRINIC 1,362
- LACNIC 5,370
- APNIC 11,709
- RIPE NCC 32,285
4-BYTE ASN ASSIGNMENTS
How many 4-byte ASNs has each RIR assigned by year?

AFRINIC  APNIC  ARIN  LACNIC  RIPE NCC

4-byte ASN Assignments

1200 1100 1000 900 800 700 600 500 400 300 200 100 0


Sept 2015
Internet Number Resource Report
4-BYTE ASN ASSIGNMENTS
How many total 4-byte ASNs has each RIR assigned?
(Jan 2007 – Sept 2015)

RIPE NCC 5,770
LACNIC 2,444
APNIC 3,493
AFRINIC 264

4-byte ASNs

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IPv6 ADDRESS SPACE

How much has been allocated to the RIRs?

RIRs 5 /12s (October 2006)

<table>
<thead>
<tr>
<th>RIR</th>
<th>IPv6 ADDRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFRINIC</td>
<td>2C00:0000::/12</td>
</tr>
<tr>
<td>APNIC</td>
<td>2400:0000::/12</td>
</tr>
<tr>
<td>ARIN</td>
<td>2600:0000::/12</td>
</tr>
<tr>
<td>LACNIC</td>
<td>2800:0000::/12</td>
</tr>
<tr>
<td>RIPE NCC</td>
<td>2A00:0000::/12</td>
</tr>
</tbody>
</table>

IANA RESERVE 506 /12s

GLOBAL UNICAST

ALL IPv6 SPACE

Miscellaneous 1 /12
IPv6 ALLOCATIONS
(RIRs TO LIRs/ISPs)

How many allocations have been made by each RIR by year?
IPv6 ALLOCATIONS (RIRs TO LIRs/ISPs)

How many total allocations have been made by each RIR? (Jan 1999 – Sept 2015)

- RIPE NCC: 10,235
- AFRINIC: 427
- LACNIC: 3,691
- APNIC: 2,879
- ARIN: 2,708
IPv6 ASSIGNMENTS RIRS TO END-USERS
How many assignments have been made by each RIR by year?
IPv6 ASSIGNMENTS (RIRs TO END-USERS)

How many total assignments have been made by each RIR? (Jan 2002 – Sept 2015)

- RIPE NCC: 2,091
- APNIC: 962
- AFRINIC: 151
- LACNIC: 624
- ARIN: 1,984
PERCENTAGE OF MEMBERS WITH BOTH IPv4 AND IPv6 IN EACH RIR

AFRINIC: 34.6%
APNIC: 46.41%
ARIN: 48%
LACNIC: 80.31%
RIPE NCC: 76%
LINKS TO RIR STATISTICS

• RIR Stats: www.nro.net/statistics

• Raw Data/Historical RIR Allocations:
  www.iana.org/assignments/ipv4-address-space
  www.iana.org/assignments/as-numbers
  www.iana.org/assignments/ipv6-unicast-address-assignments
THANK YOU