INTERNET NUMBER RESOURCE STATUS REPORT

As of 30 June 2014

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

- CENTRAL REGISTRY 91
- RIRs 130
- TOTAL IPv4 SPACE
- NOT AVAILABLE 35
  - EXPERIMENTAL 16
  - LOCAL IDENTIFICATION 1
  - LOOPBACK 1
  - PRIVATE USE 1
  - MULTICAST 16
- IANA RESERVED 0
- APNIC 45
  - ARIN 36
  - AFRINIC 5
  - LACNIC 9
  - RIPE NCC 35
AVAILABLE IPv4 /8s IN EACH RIR

- AFRINIC: 3.25
- APNIC: 0.87
- ARIN: 0.89
- LACNIC: 0.36
- RIPE NCC: 1.07

June 2014
Internet Number Resource Report
IPv4 ADDRESS SPACE ISSUED
(RIRs TO CUSTOMERS)

In terms of /8s, how much space did each RIR issue by year?
IPv4 ADDRESS SPACE ISSUED (RIRs TO CUSTOMERS)

In terms of /8s, how much total space has each RIR issued?
(Jan 1999 – June 2014)

- RIPE NCC 34.56
- APNIC 44.54
- AFRINIC 3.60
- LACNIC 10.42
- ARIN 31.33

June 2014

Internet Number Resource Report
ASN ASSIGNMENTS (RIRs TO CUSTOMERS)
How many ASNs has each RIR assigned by year?

- AFRINIC
- APNIC
- ARIN
- LACNIC
- RIPE NCC

Number Resource Organization

June 2014
Internet Number Resource Report
ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

How many total ASNs has each RIR assigned?
(Jan 1999 – June 2014)

ARIN 26,464
AFRINIC 1,159
LACNIC 4,191
APNIC 10,011
RIPE NCC 29,336
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

AFRINIC | APNIC | ARIN | LACNIC | RIPE NCC

2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014

Number of Assignments

2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014

June 2014

Internet Number Resource Report
4-BYTE ASN ASSIGNMENTS
How many total 4-byte ASNs has each RIR assigned?
(Jan 2007 – June 2014)

RIPE NCC 4,007
AFRINIC 90
APNIC 2,361
LACNIC 1,546
ARIN 303
IPv6 ADDRESS SPACE
How much has been allocated to the RIRs?

<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>
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 – June 2014)

- RIPE NCC: 7,771
- AFRINIC: 363
- LACNIC: 2,444
- APNIC: 2,449
- ARIN: 2,372
IPv6 ASSIGNMENTS RIRS TO END-USERS

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

AFRINIC  APNIC  ARIN  LACNIC  RIPE NCC

assignments

'02  '03  '04  '05  '06  '07  '08  '09  '10  '11  '12  '13  '14

June 2014

Internet Number Resource Report
IPv6 ASSIGNMENTS (RIRs TO END-USERS)

How many total assignments have been made by each RIR? (Jan 2002 – June 2014)

RIPE NCC 1,760
APNIC 785
AFRINIC 120
LACNIC 489
ARIN 1,754
PERCENTAGE OF MEMBERS WITH BOTH IPv4 AND IPv6 IN EACH RIR

- AFRINIC: 37.7%
- APNIC: 47.36%
- ARIN: 46%
- LACNIC: 67.68%
- RIPE NCC: 70.18%
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