INTERNET NUMBER RESOURCE STATUS REPORT

As of 30 June 2013

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
APNIC 45

IANA RESERVED 0

NOT AVAILABLE 35

EXPERIMENTAL 16
LOCAL IDENTIFICATION 1
LOOPBACK 1
PRIVATE USE 1
MULTICAST 16
AVAILABLE IPv4 /8s IN EACH RIR

- AfriNIC: 3.77
- APNIC: .85
- ARIN: 2.23
- LACNIC: 2.32
- RIPE NCC: .97
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

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IPv4 ADDRESS SPACE ISSUED (RIRs TO CUSTOMERS)
In terms of /8s, how much total space has each RIR issued?
(Jan 1999 – Jun 2013)

- RIPE NCC: 34.43%
- APNIC: 44.44%
- AfriNIC: 2.84%
- LACNIC: 8.21%
- ARIN: 29.90%
ASN ASSIGNMENTS (RIRs TO CUSTOMERS)
How many ASNs has each RIR assigned by year?

Internet Number Resource Report
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ASN ASSIGNMENTS (RIRs TO CUSTOMERS)
How many total ASNs has each RIR assigned?
(Jan 1999 – Jun 2013)

- ARIN: 24,846
- AfriNIC: 998
- LACNIC: 3,341
- APNIC: 8,898
- RIPE NCC: 27,432
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

- 2007
- 2008
- 2009
- 2010
- 2011
- 2012
- 2013

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Internet Number Resource Report
4-BYTE ASN ASSIGNMENTS

How many total 4-byte ASNs has each RIR assigned?
(Jan 2007 – Jun 2013)

RIPE NCC 3,145
AfriNIC 33
APNIC 1,711
LACNIC 947
ARIN 45
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?

1500 allocations

AfriNIC  APNIC  ARIN  LACNIC  RIPE NCC

0  300  600  900  1200

'99  '00  '01  '02  '03  '04  '05  '06  '07  '08  '09  '10  '11  '12  '13

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IPv6 ALLOCATIONS (RIRs TO LIRs/ISPs)

How many total allocations have been made by each RIR? (Jan 1999 – Jun 2013)

- RIPE NCC 6,007
- AfriNIC 309
- LACNIC 1,488
- APNIC 2,105
- ARIN 2,097
IPv6 ASSIGNMENTS RIRS TO END-USERS

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

![Graph showing IPv6 assignments by RIR from 2002 to 2013]

- AfriNIC
- APNIC
- ARIN
- LACNIC
- RIPE NCC

Assignments

Year

June 2013

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

How many total assignments have been made by each RIR? (Jan 2002 – Jun 2013)

- RIPE NCC: 1,366
- APNIC: 596
- AfriNIC: 96
- LACNIC: 342
- ARIN: 1,513
PERCENTAGE OF MEMBERS WITH BOTH IPv4 AND IPv6 IN EACH RIR

AfriNIC  APNIC  ARIN  LACNIC  RIPE NCC

36.2%  47.71%  38%  54.23%  61.94%
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