INTERNET NUMBER RESOURCE STATUS REPORT

As of 31 March 2016

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

- **NOT AVAILABLE 35**
  - EXPERIMENTAL 16
  - LOCAL IDENTIFICATION 1
  - LOOPBACK 1
  - PRIVATE USE 1
  - MULTICAST 16

- **IANA RESERVED 0**
  - ARIN 36
  - AFRINIC 5
  - LACNIC 9
  - RIPE NCC 35

March 2016

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

- AFRINIC: 1.7
- APNIC: 0.59
- ARIN: 0
- LACNIC: 0.093
- RIPE NCC: 0.97
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

March 2016
Internet Number Resource Report
IPv4 ADDRESS SPACE ISSUED (RIRs TO CUSTOMERS)

In terms of /8s, how much total space has each RIR issued?
(Jan 1999 – March 2016)

RIPE NCC 34.91
APNIC 45.01
AFRINIC 5.24
LACNIC 10.59
ARIN 32.33
ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

How many ASNs has each RIR assigned by year?

March 2016

Internet Number Resource Report
ASN ASSIGNMENTS (RIRs TO CUSTOMERS)
How many total ASNs has each RIR assigned?
(Jan 1999 – March 2016)

- ARIN 28,909
- AFRINIC 1,428
- LACNIC 5,825
- APNIC 12,386
- RIPE NCC 33,576
4-BYTE ASN ASSIGNMENTS
How many 4-byte ASNs has each RIR assigned by year?

AFRINIC  APNIC  ARIN  LACNIC  RIPE NCC

2000  4-byte ASN Assignments


March 2016
Internet Number Resource Report
4-BYTE ASN ASSIGNMENTS
How many total 4-byte ASNs has each RIR assigned?
(Jan 2007 – March 2016)

- RIPE NCC: 6,615
- LACNIC: 2,874
- AFRINIC: 319
- APNIC: 4,093
- ARIN: 1,837
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

March 2016

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

[Bar chart showing allocations by year for AFRINIC, APNIC, ARIN, LACNIC, and RIPE NCC from 1999 to 2016.]
IPv6 ALLOCATIONS
(RIRs TO LIRs/ISPs)

How many total allocations have been made by each RIR?
(Jan 1999 – March 2016)

- RIPE NCC 11,149
- AFRINIC 452
- LACNIC 4,146
- APNIC 3,306
- ARIN 2,896
IPv6 ASSIGNMENTS RIRS TO END-USERS

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

- AFRINIC
- APNIC
- ARIN
- LACNIC
- RIPE NCC

Assignments

March 2016
Internet Number Resource Report
IPv6 ASSIGNMENTS (RIRs TO END-USERS)

How many total assignments have been made by each RIR? (Jan 2002 – March 2016)

- RIPE NCC: 2,330
- APNIC: 1,162
- AFRINIC: 164
- LACNIC: 714
- ARIN: 2,234
PERCENTAGE OF MEMBERS WITH BOTH IPv4 AND IPv6 IN EACH RIR

- AFRINIC
- APNIC
- ARIN
- LACNIC
- RIPE NCC

March 2016

Internet Number Resource Report
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