INTERNET NUMBER RESOURCE STATUS REPORT

As of 31 March 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

- CENTRAL REGISTRY 91
- RIRs 130
- IANA RESERVED 0
- TOTAL IPv4 SPACE
- NOT AVAILABLE 35
- EXPERIMENTAL 16
- LOCAL IDENTIFICATION 1
- LOOPBACK 1
- PRIVATE USE 1
- MULTICAST 16

March 2013
AVAILABLE IPv4 /8s IN EACH RIR

- AFRINIC: 3.78
- APNIC: .88
- ARIN: 2.49
- LACNIC: 2.62
- RIPE NCC: .97
IPv4 ADDRESS SPACE ISSUED 
(RIRs TO CUSTOMERS) 
In terms of /8s, how much space did each RIR issue by year?

[Graph showing IPv4 address space issued by RIRs from 1999 to 2013]
IPv4 ADDRESS SPACE ISSUED
(RIRs TO CUSTOMERS)
In terms of /8s, how much total space has each RIR issued?
(Jan 1999 – Mar 2013)

- RIPE NCC 34.39
- APNIC 44.41
- AFRINIC 2.82
- LACNIC 7.92
- ARIN 29.59
ASN ASSIGNMENTS (RIRs TO CUSTOMERS)
How many ASNs has each RIR assigned by year?
ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

How many total ASNs has each RIR assigned?
(Jan 1999 – Mar 2013)

- ARIN 24,459
- AFRINIC 967
- LACNIC 3,213
- APNIC 8,677
- RIPE NCC 26,961

March 2013
4-BYTE ASN ASSIGNMENTS

How many 4-byte ASNs has each RIR assigned by year?

AFRINIC  APNIC  ARIN  LACNIC  RIPE NCC

1200 4-byte ASN Assignments

1000

800

600

400

200

0

2007  2008  2009  2010  2011  2012  2013

March 2013
4-BYTE ASN ASSIGNMENTS
How many total 4-byte ASNs has each RIR assigned?
(Jan 2007 – Mar 2013)

- RIPE NCC: 3,108
- AFRINIC: 33
- APNIC: 1,556
- LACNIC: 917
- ARIN: 42
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
IPv6 ALLOCATIONS
(RIRs TO LIRs/ISPs)

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

March 2013
IPv6 ALLOCATIONS (RIRs TO LIRs/ISPs)

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

- RIPE NCC: 5,581
- AFRINIC: 298
- LACNIC: 1,368
- APNIC: 2,015
- ARIN: 2,035
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 – Mar 2013)

- RIPE NCC: 1,254
- APNIC: 558
- AFRINIC: 92
- LACNIC: 302
- ARIN: 1,461
PERCENTAGE OF MEMBERS WITH BOTH IPv4 AND IPv6 IN EACH RIR

- AFRINIC: 33.6%
- APNIC: 47.64%
- ARIN: 37%
- LACNIC: 51.5%
- RIPE NCC: 59.23%
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