INTERNET NUMBER RESOURCE
STATUS REPORT
As of 31 December 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

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

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AVAILABLE IPv4 /8s IN EACH RIR

- AFRINIC: 2.92
- APNIC: 0.77
- ARIN: 0.44
- LACNIC: 0.202
- RIPE NCC: 1.1
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 – Dec 2014)

- RIPE NCC: 34.65
- APNIC: 44.71
- AFRINIC: 3.95
- LACNIC: 10.46
- ARIN: 31.86
ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

How many ASNs has each RIR assigned by year?

[Bar chart showing the number of assignments for each RIR by year, ranging from 1999 to 2014.]
ASN ASSIGNMENTS (RIRs TO CUSTOMERS)
How many total ASNs has each RIR assigned?
(Jan 1999 – Dec 2014)

- ARIN 27,248
- AFRINIC 1,236
- LACNIC 4,679
- APNIC 10,827
- RIPE NCC 30,471
4-BYTE ASN ASSIGNMENTS
How many 4-byte ASNs has each RIR assigned by year?
4-BYTE ASN ASSIGNMENTS
How many total 4-byte ASNs has each RIR assigned? (Jan 2007 – Dec 2014)

- RIPE NCC: 4,654
- AFRINIC: 155
- APNIC: 2,746
- LACNIC: 1,786
- ARIN: 552
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>
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 – Dec 2014)

RIPE NCC 8,773
AFRINIC 384
LACNIC 2,942
APNIC 2,594
ARIN 2,488
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 – Dec 2014)

RIPE NCC 1,924
APNIC 867
AFRINIC 131
LACNIC 580
ARIN 1,867
PERCENTAGE OF MEMBERS WITH BOTH IPv4 AND IPv6 IN EACH RIR

- AFRINIC: 36.26%
- APNIC: 46.88%
- ARIN: 46%
- LACNIC: 74.6%
- RIPE NCC: 73.72%

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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