INTERNET NUMBER RESOURCE STATUS REPORT

As of 30 September 2011

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
- NOT AVAILABLE 35
- IANA RESERVED 0
- TOTAL IPv4 SPACE
  - RIRs 130
  - APNIC 45
    - ARIN 36
    - AfriNIC 5
    - LACNIC 9
    - RIPE NCC 35
  - EXPERIMENTAL 16
  - LOCAL IDENTIFICATION 1
  - LOOPBACK 1
  - PRIVATE USE 1
  - MULTICAST 16

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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 – Sept 2011)

RIPE NCC 31.42
APNIC 44.24
AfriNIC 2.29
LACNIC 6.28
ARIN 27.65
ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

How many ASNs has each RIR assigned by year?

- AfriNIC
- LACNIC
- APNIC
- ARIN
- RIPE NCC

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ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

How many total ASNs has each RIR assigned?
(Jan 1999 – Sept 2011)

- ARIN 22,349
- AfriNIC 747
- LACNIC 2,316
- APNIC 7,573
- RIPE NCC 23,300
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 – Sept 2011)

RIPE NCC—1,516
AfriNIC 26
APNIC 908
ARIN 40
LACNIC 511
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
(Jan 1999 – Sept 2011)

How many total allocations have been made by each RIR?

RIPE NCC
3,630

AfriNIC 201
LACNIC 699
APNIC 1,469
ARIN 1,603

In terms of /32s, how much total space has each RIR allocated?

RIPE NCC 41,102

AfriNIC 396
LACNIC 1,831
ARIN 18,625
APNIC 36,867
LINKS TO RIR STATISTICS

- **RIR Stats:**
  www.nro.net/statistics

- **Raw Data/Historical RIR Allocations:**
  www.aso.icann.org/stats
  www.iana.org/assignments/ipv4-address-space
  www.iana.org/assignments/as-numbers
  www.iana.org/assignments/ipv6-unicast-address-assignments
thank you