Internet Number Resource Status Report

Prepared by
Regional Internet Registries
AFRINIC, APNIC, ARIN, LACNIC, RIPE NCC

As of 30 June 2019
Internet number resource status report

All IPv4 Address Space

Distribution of the 256 /8s

- AFRINIC: 4
- APNIC: 45
- ARIN: 36
- LACNIC: 9
- RIPE NCC: 35
- Central Registry: 92
- Experimental: 16
- Local Identification: 1
- Loopback: 1
- Multicast: 16
- Private Use: 1
In terms of /8s

<table>
<thead>
<tr>
<th>Region</th>
<th>Total IPv4 Addresses Managed (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFRINIC</td>
<td>7.23</td>
</tr>
<tr>
<td>APNIC</td>
<td>53.05</td>
</tr>
<tr>
<td>ARIN</td>
<td>99.89</td>
</tr>
<tr>
<td>LACNIC</td>
<td>11.37</td>
</tr>
<tr>
<td>RIPE NCC</td>
<td>49.13</td>
</tr>
</tbody>
</table>
Available IPv4 Space in each RIR

In terms of /8s

AFRINIC: 0.3
APNIC: 0.2
ARIN: 0.0
LACNIC: 0.1
RIPE NCC: 0.2
In terms of /8s, how much space has each RIR issued per year?
IPv4 Transfers
(exclusive M&A)
Number of transfers per year

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Intra-RIR IPv4 Transfers

Number of transfers per year
Intra-RIR IPv4 Transfers

Number of addresses transferred by year

- AFRINIC
- APNIC
- ARIN
- LACNIC
- RIPE NCC
Total number of IPv4 transfers between RIRs
Total number of IPv4 addresses transferred between RIRs

- APNIC: 129K
- ARIN: 9.55M
- RIPE NCC: 451K
- AFRINIC: 17.7M
- LACNIC: 1.62M
- ARIN: 1.97M
- RIPE NCC: 1.62M
How much has been allocated to the RIRs?

Allocations to RIRs since October 2006

<table>
<thead>
<tr>
<th>RIR</th>
<th>IPv6 Prefix</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFRINIC</td>
<td>2c00::/12</td>
</tr>
<tr>
<td>APNIC</td>
<td>2400::/12</td>
</tr>
<tr>
<td>ARIN</td>
<td>2600::/12</td>
</tr>
<tr>
<td>LACNIC</td>
<td>2800::/12</td>
</tr>
<tr>
<td>RIPE NCC</td>
<td>2a00::/11</td>
</tr>
</tbody>
</table>
How many prefixes has each RIR allocated per year?
Total size of IPv6 space (in /32s) that each RIR has allocated
How many prefixes has each RIR assigned per year?
Total size of IPv6 space (in /48s) that each RIR has assigned

- AFRINIC: 943 /48s
- APNIC: 1,117,717 /48s
- ARIN: 3,180,797 /48s
- LACNIC: 9,180,733 /48s
- RIPE NCC: 200,086 /48s
AS Numbers
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AS Numbers

All ASNs

- Unallocated 32-bit
- Special Purpose 32-bit
- ARIN 16-bit
- RIPE NCC 32-bit
- APNIC 32-bit
- AFRINIC 32-bit
- LACNIC 16-bit
- LACNIC 32-bit
- AFRINIC 16-bit
- Special Purpose 16-bit
How many ASNs has each RIR issued per year?

Internet number resource status report
ASN Assignments by RIRs
Total ASNs Assigned by each RIR
• NRO Statistics
  www.nro.net/statistics

• IANA Number Resources
  https://www.iana.org/numbers
Thank You