INTERNET NUMBER RESOURCE
STATUS REPORT

As of 31 March 2018

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
- APNIC 45
- ARIN 36
- AFRINIC 5
- LACNIC 9
- RIPE NCC 35
- IANA RESERVED 0
- NOT AVAILABLE 35
- EXPERIMENTAL 16
- LOCAL IDENTIFICATION 1
- LOOPBACK 1
- PRIVATE USE 1
- MULTICAST 16
Available IPv4 /8s In Each RIR

- AFRINIC: 0.67
- APNIC: 0.31
- ARIN: 0.00
- LACNIC: 0.20
- RIPE NCC: 0.60
IPv4 ADDRESS SPACE ISSUED
(RIRs TO CUSTOMERS)

In terms of /8s, how much space did each RIR issue by year?

<table>
<thead>
<tr>
<th>Year</th>
<th>AFRINIC</th>
<th>APNIC</th>
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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 – Mar 2018)

- APNIC: 45.33
- ARIN: 32.40
- AFRINIC: 6.22
- RIPE NCC: 35.36
- LACNIC: 10.81

Mar 2018
Internet Number Resource Report
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 2018)

- APNIC: 15,135
- AFRINIC: 1,766
- ARIN: 31,969
- LACNIC: 8,243
- RIPE NCC: 38,588
How many 4-byte ASNs has each RIR assigned by year?

4-byte ASN assignments

AFRINIC | APNIC | ARIN | LACNIC | RIPE NCC

Internet Number Resource Report

Mar 2018
4-BYTE ASN ASSIGNMENTS

How many total 4-byte ASNs has each RIR assigned?
(Jan 2007 – Mar 2018)

AFRINIC 629
APNIC 6,733
ARIN 3,782
LACNIC 5,244
RIPE NCC 10,121
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>
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<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 – Mar 2018)

- AFRINIC 643
- APNIC 5,414
- ARIN 3,698
- LACNIC 6,580
- RIPE NCC 14,945

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Number Resource Organization
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 2018)

- APNIC: 2,194
- ARIN: 2,854
- AFRINIC: 249
- RIPE NCC: 2,833
- LACNIC: 951
PERCENTAGE OF MEMBERS WITH BOTH IPv4 AND IPv6 IN EACH RIR

- AFRINIC: 44.20%
- APNIC: 57.80%
- ARIN: 57.00%
- LACNIC: 91.59%
- RIPE NCC: 71.29%

Mar 2018
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