INTERNET NUMBER RESOURCE STATUS REPORT

As of 30 September 2017

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?
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

Number Resource Organization
IPv4 ADDRESS SPACE ISSUED
(RIRs TO CUSTOMERS)
In terms of /8s, how much total space has each RIR issued?
(Jan 1999 – Sep 2017)

AFRINIC 6.07
APNIC 45.28
ARIN 32.37
RIPE NCC 35.23
LACNIC 10.77
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 – Sep 2017)

- **APNIC**: 14,538
- **AFRINIC**: 1,688
- **LACNIC**: 7,583
- **RIPE NCC**: 37,332
- **ARIN**: 31,051

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4-BYTE ASN ASSIGNMENTS

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

- **APNIC**: 6,150
- **ARIN**: 3,443
- **AFRINIC**: 557
- **LACNIC**: 4,597
- **RIPE NCC**: 9,167

(Jan 2007 – Sep 2017)
IPv6 ADDRESS SPACE
How much has been allocated to the RIRs?

<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?

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IPv6 ALLOCATIONS
(RIRs TO LIRs/ISPs)
How many total allocations have been made by each RIR?
(Jan 1999 – Sep 2017)

- AFRINIC 605
- APNIC 4,996
- ARIN 3,495
- LACNIC 5,894
- RIPE NCC 13,865
IPv6 ASSIGNMENTS RIRS TO END-USERS

How many assignments have been made by each RIR by year?
How many total assignments have been made by each RIR? (Jan 2002 – Sep 2017)

- **APNIC**: 1,938 assignments
- **ARIN**: 2,738 assignments
- **AFRINIC**: 228 assignments
- **RIPE NCC**: 2,722 assignments
- **LACNIC**: 889 assignments
PERCENTAGE OF MEMBERS WITH BOTH IPv4 AND IPv6 IN EACH RIR

- **AFRINIC**: 36.60%
- **APNIC**: 55.50%
- **ARIN**: 55.48%
- **LACNIC**: 90.37%
- **RIPE NCC**: 73.09%
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