RSD Team

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RSD Core Functions

• IPv4, IPv6, and ASN requests

• Transfer requests and related services
  – STLS, transfer pre-approvals

• Database Record Maintenance
  – Org IDs, POC handles, reassignments, etc.

• Customer support
  – Ask ARIN
  – Telephone helpdesk (60 hours per week)
  – hostmaster@arin.net email
RSD Support Functions

- Policy development & implementation
  - Staff assessments, implementation plans, etc.
- Software development
  - Requirements, testing
- Communications
  - Guidelines, documentation, announcements, ACSP implementation, etc.
- Outreach
  - ARIN On The Road, trade shows, presentations, etc.
- Statistics and database analysis
  - Monthly stats, community requests for data, etc.
Current Focus

- IPv4 Depletion Planning
  - Maintaining 2-day SLA turn around time
  - Preparing for first waiting list request
- 8.3 and 8.4 Transfers
- ARIN On-line
  - Continue work on enhancements, new requirements, and prioritization
Changing Dynamics

• IPv4 Depletion
  – Changes due to Depletion plan/Team Review
  – Increased IPv4 request traffic, but less than anticipated

• New Customer Profile
  – ISPs directing downstream customers to ARIN for IPv4 addresses
    • More education required for newcomers

• Expected Workload Increase
  – Will see more legacy holders become active in 8.3 transfers post-depletion
    • Increase in vetting and chain of custody workload
  – Many 8.3 transfers will be preceded by 8.2 transfers to bring registrations current
Current IPv4 Inventory

Available inventory:
  .24 /8 equivalent

Other inventory:
  • Quarantined space (60 day hold)
    – ~19 /16 equivalents held in “quarantine” to clear filters
      (returned and revoked space)
  • Reserved space
    – 64 /16s (1 /10) for NRPM 4.10 “Dedicated IPv4 block to facilitate IPv6 Deployment”
    – 218 /24s remaining in the /16 for NRPM 4.4 “Micro-allocation”
    – ~8 /16 equivalents needing further research (reclaimed space that needs further chain of custody research)
### Block Size Distribution of ARIN's Remaining IPv4 Inventory

*https://www.arin.net/resources/request/ipv4_countdown.html

<table>
<thead>
<tr>
<th>Discrete Block Size (CIDR)</th>
<th>Number of Blocks Available</th>
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</thead>
<tbody>
<tr>
<td>/11</td>
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</tr>
<tr>
<td>/12</td>
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<tr>
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</tr>
<tr>
<td>/24</td>
<td>610</td>
</tr>
</tbody>
</table>
IPv4 RSA Coverage

/24s Covered Under RSA, LRSA, or no RSA

- None: 3,135,208 (47.6%)
- Standard: 2,866,008 (43.5%)
- LRSA: 587,167 (8.9%)

Total /24s in DB: 6,588,383
Total Organizations Served by ARIN

- **Non-Member Customers**: 14,690 (40.2%)
- **ISP Subscriber Members**: 4,980 (13.6%)
- **Legacy**: 16,890 (46.2%)

**Total Orgs**: 36,560
IPv6 Space Issued

- IPv6 Initial Allocations
- Total IPv6 Assignments Issued

Chart showing IPv6 space issued from 2006 to 2014.
ISP Members with IPv4 and IPv6

~5,000 subscriber members as of April 1, 2015
Transfers

- Inter-RIR transfers
  - 63 from ARIN to APNIC region to date
  - Transfers from ARIN to RIPE region to begin soon
- 65 transfers approved (all types combined) in March 2015 (more than any other month in ARIN history)
- Future Transfers
  - RIPE experienced large sustained spike in transfer requests following depletion
  - ARIN anticipates significant increase in transfers

https://www.arin.net/knowledge/statistics/transfers.html
Telephone Helpdesk

- Phones staffed **7am to 7pm ET**
- Average # of calls per month: **750**
- Most Common Call Topics
  - Point of contact validation
  - Request status
  - ARIN Online use
  - Contact updates
Questions?