IANA Activities Update
LACNIC 22, Santiago, CL
October 2014
Elise Gerich, VP of IANA
Agenda

• New and familiar faces
• Satisfaction survey
• Number allocations
• KSK Events
• Root management
New and familiar faces

Elise  Kim  Naela  Michelle  Leo
Pearl  Amanda  Selina  Paula  Dalini
Andres  Punky  Marilia
Satisfaction survey

• 3rd annual survey
• 4,400 customers invited
• 489 respondents
• Satisfaction trending up in most key service aspects
• Plan to publish a full report in January
Number allocations

• 2 AS Number allocations since LACNIC 21
  o LACNIC qualified for 2 blocks
  o 1 block composed of 99 16-bit numbers and remainder in 32-bit numbers
  o 297 16-bit AS Numbers remain unallocated
Number allocations (2)

- IPv4 allocation made on schedule in September
  - /12 (1,048,576 addresses)

<table>
<thead>
<tr>
<th>Start address</th>
<th>End address</th>
<th>Designation</th>
<th>Date</th>
<th>Whois</th>
<th>Status</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>45.224.0.0</td>
<td>45.239.255.255</td>
<td>LACNIC</td>
<td>2014-09</td>
<td>whois.lacnic.net</td>
<td>ALLOCATED</td>
<td></td>
</tr>
<tr>
<td>45.112.0.0</td>
<td>45.127.255.255</td>
<td>APNIC</td>
<td>2014-09</td>
<td>whois.apnic.net</td>
<td>ALLOCATED</td>
<td></td>
</tr>
<tr>
<td>45.96.0.0</td>
<td>45.111.255.255</td>
<td>AFRINIC</td>
<td>2014-09</td>
<td>whois.afrinic.net</td>
<td>ALLOCATED</td>
<td></td>
</tr>
<tr>
<td>45.80.0.0</td>
<td>45.95.255.255</td>
<td>RIPE NCC</td>
<td>2014-09</td>
<td>whois.ripe.net</td>
<td>ALLOCATED</td>
<td></td>
</tr>
<tr>
<td>45.16.0.0</td>
<td>45.31.255.255</td>
<td>ARIN</td>
<td>2014-09</td>
<td>whois.arin.net</td>
<td>ALLOCATED</td>
<td></td>
</tr>
</tbody>
</table>
Scheduled IPv4 Allocations

- Allocate IPv4 addresses twice per year
  - Allocation happens on a pre-defined schedule

- Use formula posted online
  - ICANN publishes the formula used to make selection as open source available for anyone to inspect
    - [https://github.com/icann/ipv4-recovery-algorithm](https://github.com/icann/ipv4-recovery-algorithm)

- Communicate results
  - After the formula is applied per the schedule, the results are communicated to the RIRs and operations community, and the IANA registry is updated
    - [http://www.iana.org/assignments/ipv4-recovered-address-space/](http://www.iana.org/assignments/ipv4-recovered-address-space/)
Allocation of Numbering Resources KPI’s

<table>
<thead>
<tr>
<th>Key Performance Indicators</th>
<th>Target</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Accuracy (1)</strong> — Policy is correctly implemented.</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Accuracy (2)</strong> — Registry is updated before notifying requestor of allocation.</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Timeliness and Process Quality (1)</strong> — For a specific request, ICANN does not need to seek more than two iterations of clarification from the requesting Regional Internet Registry in order to correctly apply the registration policy.</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Timeliness and Process Quality (2)</strong> — Requests are to be completed within 7 days.</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Transparency (1)</strong> — Public announcement of an allocation is made on the same day as the allocation being recorded in the IANA registry.</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Transparency (2)</strong> — An implementation schedule for a new global policies under C.2.9.3 will be posted following ratifications within 14 days for simple policies, and 30 days for complex policies.</td>
<td>100%</td>
</tr>
</tbody>
</table>

Performance standards consultation completed in April 2013: http://www.icann.org/resources/pages/iana-kpis-2012-11-20-en
Root management (1)

- 1 year since we started delegating new gTLDs
- 428 gTLDs were delegated as of 28 October 2014
  - 35 gTLDs are IDNs
- Performance data at iana.org/performance
Root management (2)

- This is how long things take

<table>
<thead>
<tr>
<th>Service</th>
<th>Number of requests</th>
<th>Average processing time (days)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nameserver (NS) records</td>
<td>20</td>
<td>4.3</td>
</tr>
<tr>
<td>DNSSEC (DS) records</td>
<td>6</td>
<td>6.3</td>
</tr>
<tr>
<td>Admin contact change</td>
<td>6</td>
<td>12.2</td>
</tr>
<tr>
<td>Tech contact change</td>
<td>5</td>
<td>21.2</td>
</tr>
<tr>
<td>Metadata change</td>
<td>3</td>
<td>6.1</td>
</tr>
<tr>
<td>Delegation/redelegation</td>
<td>26</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Key Signing Key (KSK) Events

• KSK Ceremonies:
  o Last Ceremony: KSK Ceremony 18, performed on 14 August 2014 at El Segundo CA, USA https://www.iana.org/dnssec/ceremonies/18
  o Next Ceremony: KSK Ceremony 19, planned on 20 November 2014 at Culpeper VA, USA https://www.iana.org/dnssec/ceremonies/19

• DNSSEC Key Rollover Workshop held at ICANN51 http://la51.icann.org/en/schedule/thu-dnssec-key-rollover
Questions
Social Media

https://twitter.com/ICANN

http://gplus.to/icann

https://www.facebook.com/icannorg

http://weibo.com/icannorg

http://www.linkedin.com/company/icann