The show goes on for the IANA IPv4 Address Space Registry

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New since Hong Kong

Progress
The ‘no more bogons’ draft

- draft-vegoda-no-more-unallocated-slash8s was accepted as a GROW WG document & became

- draft-ietf-grow-no-more-unallocated-slash8s passed WG Last Call & now with the AD prior to IETF LC
New & Exciting

Washes whiter than white!
IETF IPv4 address assignments

• 192.0.0.0/29 has been assigned for DS-Lite
• It’s registered in the IANA IPv4 Special Purpose Address Registry
• Note it has a “routing scope” field
More on “routing scope” (1)

• In an RPKI deployment, some IETF assignments need AS0 ROAs, such as 192.0.0.0/29

• These are required by draft-ietf-sidr-iana-objects, which is in the RFC Editor queue
More on “routing scope” (2)

• There are proposals to make the IANA IPv4 Address Space Registry automatically parsable by computers

• draft-manderson-routing-intent
  – submission to the IETF GROW WG & would require adding
  – routability statements
  – more granularity
An example

This is an extract of the impact of the extra granularity on part of 198.0.0.0/8 as proposed in draft-manderson-routing-intent

<table>
<thead>
<tr>
<th>Prefix</th>
<th>...</th>
<th>Status</th>
<th>PRI</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>198.0/12</td>
<td></td>
<td>ALLOCATED</td>
<td>Routable</td>
<td></td>
</tr>
<tr>
<td>198.16/15</td>
<td></td>
<td>ALLOCATED</td>
<td>Routable</td>
<td></td>
</tr>
<tr>
<td>198.18/15</td>
<td></td>
<td>RESERVED</td>
<td>Not Routable</td>
<td>[ref]</td>
</tr>
</tbody>
</table>
Useful?

• Operators could parse the registry programmatically, allowing filter generation to be automated

• The registry could get quite long
Taking part in the discussion

• Get the drafts
  http://tools.ietf.org/html

• IETF GROW WG
  http://tools.ietf.org/wg/grow

• IETF SIDR WG
  http://tools.ietf.org/wg/sidr
Thank you
Questions

One World

One Internet

Everyone

Connected