Randy Bush, Jay Borkenhagen, Tim Bruijnzeels, Job Snijders

sorry for rushed slides
Some of us remember when Curtis updated the backbone peering map on Wednesday mornings.

We do not remember it fondly.
Some of us remember when it took a day or two for DNS updates to propagate

We do not remember it fondly
As RPKI and ROV ramp up, we should not have to learn the same lessons again

Let’s fix it now
2020.04.28 sidrops rov timing

Creative Commons: Attribution & Share Alike
Op knows total propagation time MUST do in sufficient advance

Pseudo IRR
route: 147.28.0.0/16
descr: 147.28.0.0/16-16
origin: AS3130
notify: irr-hack@rpki.net
mnt-by: MAINT-RPKI
changed: irr-hack@rpki.net 20110606
source: RPKI

NOC Tools

BGP Decision Process

Gathering Cache

Validated Cache

IANA

RIPE

RGnet
Publication: Seconds to a Minute

IANA

RIPE

RGnet

Trust Anchor

Gathering Cache

Validated Cache

NOC Tools

BGP Decision Process

Pseudo IRR
route: 147.28.0.0/16
descr: 147.28.0.0/16-16
origin: AS3130
notify: irr-hack@rpki.net
mnt-by: MAINT-RPKI
changed: irr-hack@rpki.net 20110606
source: RPKI

Publication: Seconds to a Minute

2020.04.28 sidrops rov timing

Creative Commons: Attribution & Share Alike
RP Gather from Pub Points
rsync an hour, RRDP 10 Mins

Pseudo IRR
route: 147.28.0.0/16
descr: 147.28.0.0/16-16
origin: AS3130
notify: irr-hack@rpki.net
mnt-by: MAINT-RPKI
changed: irr-hack@rpki.net 20110606
source: RPKI
Pull from RP to Router
One Hour max, but there is Notify

<table>
<thead>
<tr>
<th>IANA</th>
<th>Resource PKI</th>
<th>Trust Anchor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RIPE</td>
<td>Resource PKI</td>
<td>Validated Cache</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RGnet</td>
<td>Resource PKI</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Pseudo IRR
- route: 147.28.0.0/16
- descr: 147.28.0.0/16-16
- origin: AS3130
- notify: irr-hack@rpki.net
- mnt-by: MAINT-RPKI
- changed: irr-hack@rpki.net 20110606
- source: RPKI

NOC Tools

BGP Decision Process

GUI

2020.04.28 sidrops rov timing
Creative Commons: Attribution & Share Alike