

Adventures in IRR

Aussie Broadband and adding customer routes

- Our own routes are added into APNIC and signed with RPKI – all good
- Customers with own AS able to do same thing – all good
- Customers with no AS and historical routes?

- Want us to advertise on their behalf, but don't want/care about Apnic records
- What to do?

- We can't add those routes to our AS-SET, as they aren't our own

Create route

×

Prefix

Route's prefix. E.g. 203.10.0.0/20

Origin AS

Route's origin. E.g. AS123

MSA

Route's most specific announcement. E.g. /22

ROA

Enabled

Whois

Enabled

Define Whois route attributes

Options

Notify additional contacts

Cancel

Next

- Via AS1221 we can just add the route to their custdata page:

ADD IP ROUTE FOR

Variable Prefix	Network Address	CIDR	greater than or equal to	less than or equal to	
<input type="checkbox"/>	<input type="text" value="8.8.8.0"/>	/	24 ▼	▼	<input type="text" value=""/>

Add

- Don't do this at home – but they will then allow route to be advertised.

- AS2914 and AS9002 require a route record
- Create one!
- I used ALTDB
- Added our AS and network to be advertised.
- One day later it appeared in RADB
- One day after that our upstreams accepted the route!
- No checks, no nothing.

- This is very bad!
- RADB for one route we have, has **27** route objects...

Should we stop using RADB and ALTDB and any other DB's and only use the RIR's?

Currently it is very insecure.
It is simple to hijack a route!

Any ideas?

- Further checks in RADB showed