

Policy proposal 2008-04

First of all...

- This is neither mine nor Randy's idea
- All credits go to Ruediger Volk
 - And Randy for the text...

The idea

- The RIPE NCC publishes a new IRR registry that contains **route:** objects generated from the ROA in the RPKI
- This would be done from the global RPKI and cover all of the global space

The idea

- Operators that use the IRR to build routing filters would be able to put this registry logically in front of others
- Prefers the formally verifiable information from the RPKI

The idea

- The new registry would be available as an IRR publication point
- The RIPE NCC should publish an open source tool that allows operators to generate their own overlay IRR publication points
 - Should be identical to the one generated by the NCC but allows a more formal trust model

Why?

- Router filters would be more reliable as they prefer the RPKI validated origins
- Allow the community to have enhanced prefix filtering at no additional cost or new tools, which would help increase the reliability of the routing system
- New IRR publication point would be much simpler than other current ideas about RPKI and IRR data

Next?

- Pick a working group
 - Routing?
- Hash out details and implementation
- Go filter!

Questions?