ARIN 41

ARIN's Internet Routing Registry (IRR) Roadmap

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ARIN's Current IRR

- Using RIPE's early IRR codebase required a lot of customization to work with ARIN
  - This codebase has since been abandoned by RIPE
  - Based on templates and not particularly customer-friendly

    (e.g. cryptic responses on PGP-validation errors)
  - Limited information back to users on the public interfaces
  - Hard to update and/or implement new features

Community Response to ARIN's IRR

- There have been requests to improve the IRR from users over the years (as well as comments to the effect that work expended on yet-another-IRR in the region wasn't particularly useful...)

- This led to ARIN conducting a community consultation in April 2015 gauging the overall interest in ARIN refreshing its IRR services

- The majority of feedback received support ARIN improving its IRR services, including specific comments to:
  - Improve the validity of the IRR data
  - Work with the other RIRs on authorization schemes
  - Provide appropriate proxy registration services
  - Integrate/validate the IRR with the registration database

ARIN's IRR Roadmap

- Develop IRR capabilities that are integrated within ARIN Online
  - No longer a "bolt on" implementation
  - Tightly couple IRR data with registration data
- Produce a simplified version of RPSL
  - Full RPSL is not used in practice nor necessary for success
  - Work with the community on a common simplified framework
- Collaboration on cross-RIR authentication
- Migrate existing IRR data into the new IRR system
- Cooperate with other RIRs on standards and best practices

We would like to have your feedback

- ARIN has an open community consultation on the IRR Roadmap (running through 25 April 2018) –
  - https://www.arin.net/participate/acsp/community_consult/01-09-2018_irr.html

- Join the consultation list and tell us what you think:
  - http://lists.arin.net/mailman/listinfo/arin-consult

And/or approach the microphones now...
Any suggestions/concerns/questions?