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...)

• Led to ARIN conducting a community consultation in April 2015 gauging the overall interest in ARIN refreshing its IRR services

• 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 comments/questions?