IRR Consultation

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IRR Consultation

Situation

- The following suggestions submitted via the ARIN Consultation and Suggestion Process (ACSP) are related to the topic of validation between an Internet Routing Registry (IRR) and the ARIN registry database -

  2015.3: Tie Route Objects in IRR to Netblocks of RIR Database

  2014.30: Reflect Returns in IRR Data

  2008.14: Construct Validated IRR Data

- In addition to these open suggestions, ARIN has noted recent increased feedback from customers on this topic. This feedback includes direct communications with ARIN customers on the topic and open discussions by operator groups, etc.

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Situation

- Should ARIN begin a new project to enable IRR route object validation to the ARIN registry database?
  - **If yes, should this effort be coordinated with other RIRs to help facilitate cross-registry authentication?**
  - **If yes, should this effort also support third party IRR route object authentication?**

- This consultation will remain open through 5:00 PM EDT on Friday, ~~17~~ 24 April 2015…

IRR Consultation

Background

- ARIN's current IRR offering is based on an old version of RIPE codebase supplemented by custom scripts written by ARIN to work with our systems. This older codebase is no longer supported by RIPE NCC, as they moved to a new codebase several years ago. The current ARIN IRR does not offer route object validation of any sort.

- If ARIN staff were to enable IRR route object validation against the ARIN registry database, it would likely require abandoning the current ARIN IRR and moving to a completely new codebase.

- It should be noted that an ARIN-only IRR project would not provide route object validation across RIR registry databases, and there appears to be a strong desire for cross-registry authentication.

- The idea of enabling third party IRR route object authentication has also been raised. This would allow non-RIR operated IRRs to conduct route object authentication with the RIR registry database

Discussion?