

The State of RDAP In the RIR Space

Andy Newton
Chief Engineer, ARIN
REGOPS Workshop
Buenos Aires, AR
April 2016

In Production

- Deployed by all 5 RIRs
 - Serves up registry data
- Bootstrap server
 - Run by ARIN
 - A server that reads the IANA files and redirects clients
 - Code is on GitHub
 - LACNIC is contributing code and will be running one soon

ARIN Stats

- Query rate
 - 113 queries per second
 - Query rate is climbing
 - As many queries in March 2016 as received between July 2015 and February 2016
- Top User Agents
 - Python (by far)
 - PHP
 - Mozilla

Routing Registry

- Internet Routing Registries (IRRs)
 - Run by 4 of the 5 RIRs
 - Many independent IRRs
- IRRs output Routing Policy Specification Language
 - Huge... much of it not used
 - Some tools, but none cover the complete specification
 - Requires writing a parser, understand complete data model
- Investigating putting it into RDAP
 - But only a profile of RPSL (scaled down)
 - JSON is easier for scripting

Oauth / OpenID

- ARIN is investigating Oauth / OpenID
 - draft-hollenbeck-weirds-rdap-openid
 - Several conversations with VeriSign
- ARIN currently limits certain result sets
 - Once authenticated, limits maybe lifted

Comments? Questions?