



# New Features and Upcoming Features in ARIN Online

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# Changes Since October 2010

- Bulk Whois
- Whois-RWS and Whois Port 43
- POC Validation
- ORG Recovery
- Management of Resources
- Management of RDNS & DNSSEC
- Facilitators in STLS
- RESTful Provisioning & API Key Templates



# Bulk Whois

- You can now specify the types of data and format you want
  - **“asn+poc”** gives you just ASNs and POCs
  - **“poc.xml”** gives you just POCs in XML
  - Etc...
- Minor bug fixes



# Whois-RWS and Whois Port 43

- Better CIDR Support
  - Less & more specific queries in Port 43
  - Queries in Web search box
- IPv6 Queries in Web search box
- ORGs, NETs & ASNs can now display associated information (/pft)
- Delegation lookups and searches
- Other minor bug fixes



# POC Validation

- Better displays of POC Validation status when viewing resources online
- Most online functions disabled for users with invalid POCs
  - **Functions automatically restored once POCs are validated**



# ORG Recovery

- When an ORG Recovery is approved and processed, any Web accounts linked to the ORG Admin and ORG Tech POCs are notified. If no Web accounts are linked to the ORG Admin and ORG Tech POCs, then an email is sent to the email addresses listed on those POCs



# Management of Resources

- Online requests of new IP Network and ASN resources
- Online modifications of your IP Network and ASN resource registrations



# Management of RDNS & DNSSEC

- Fundamental data model change
  - Nameservers no longer on Networks
  - Nameservers are now on Zone Delegations
- Zone Delegation modifications online
  - Must have proper authority over the related network
- DNSSEC DS records on Zone Delegations





# Facilitators in STLS

- Facilitators are neither Needers or Listers
  - But they help Needers and Listers find each other and transfer IPv4 resources
- Now Needers, Listers, & Facilitators see the full list of Needers, Listers & Facilitators
  - Everyone sees everyone
- NRPM 8.3



# RESTful Provisioning & API Key Templates

- **RESTful Provisioning API now deployed**
  - <https://www.arin.net/resources/restful-interfaces.html>
  - Operational Testing & Evaluation (OT&E) environment now available for testing RESTful API clients
  - V6 Simple Reassignments – no template equivalent
- **V4 & V5 Templates now require API Keys**
  - V3 templates no longer accepted



# Future Plans

- RPKI
- Online Billing Information
- IRR Enhancements
- RESTful Provisioning Enhancements



# RPKI

- In development since last year
  - **Influenced by code received from RIPE NCC**
- New threats and liabilities identified
  - **Non-repudiation & collusion**
  - **Needed new HSMs to handle new threats**
  - **Could not re-use RIPE NCC code as planned**



# Online Billing

- Before we could do anything, our billing system needed a big upgrade
  - **Done**
- Ability to see and modify invoice address for ORGs online
- Ability to see Invoices and Payments for ORGs online



# IRR

- Using RIPE NCC software
- Changes to enable PGP, Crypt-PW and notifications
  - **Will look more like how RIPE NCC manages their IRR**
  - **Maintainers will be mapped to ARIN ORGs**



# RESTful Provisioning

- First phase replicated all template functions into RESTful API
- Now looking at
  - **Changes to Delegations**
  - **Better discovery of resources by an ORG**



# Q&A

