



ARIN 44

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IRR and RPKI Update

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Large Projects



- **Started Q2 2019:** ARIN Internet Routing Registry
- **Started Q3 2019:** RPKI Improvements

IRR Overview



- Project started Q2 - 2019
- Community stakeholders included in meetings
 - Jared Mauch
 - Nathan Newman
 - Rob Seastrom
 - Job Snijders
- Includes both easy (point-click-ship) and expert modes
- Objects to be supported:
 - route/route6
 - as-set
 - aut-num
 - inetnum/inet6num
- RPKI Integration
- Will require RSA/LRSA to participate in the new IRR

IRR Milestones

- Q3 2019: Routing and DNS pocs – deployed
 - ACSP 2018.15 and 2019.3
- Q2 2020: Users can create routes
- Q2 2020: Users can create as-sets
- Q2 2020: FTP access to IRRNG
- Q2 2020: RPKI integration
- Q4 2020: Query Information Service & NRTM

RPKI Overview



- Project started Q3 2019
- RRDP – RPKI Repository Delta Protocol
- Removing ROA signing requests
 - Lift the caps on manifest and CRL size
- IRR Integration
- ROA population from routing table
- Online ROA signing (no more queues)
- Incremental repository generation
- Improved REST provisioning

RPKI Milestones



- Q3 2019: RRDP(ACSP)
- Q3 2019: Incremental repository generation
- Q1 2020: Lifting the caps on manifest and CRL size (ACSP)
- Q1 2020: Online ROA signing(ACSP)
- Q1 2020: Improved REST provisioning (ACSP)
- Q2 2020: IRR integration (ACSP)
- Q2 2020: ROA Population from routing table

Updates to RPKI RPA



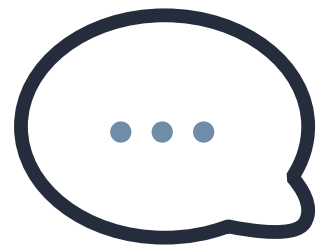
In response to community feedback, ARIN recently released an updated RPA with the following updates:

- Expanded ability to distribute ARIN RPKI information in machine-readable format for informational purposes
- Limited the scope of indemnification to exclude instances of ARIN gross negligence and willful misconduct
- Redistributor RPA is now available, under certain circumstances, for parties wishing to redistribute ARIN RPKI information for purposes other than those covered in the updated RPA

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Thank you.

Any Questions?



Discussion

