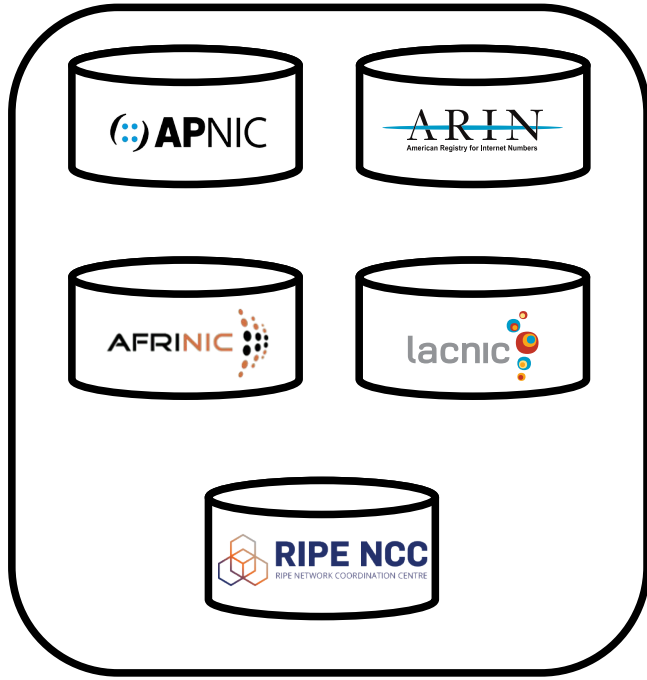


rpki-rtr updates

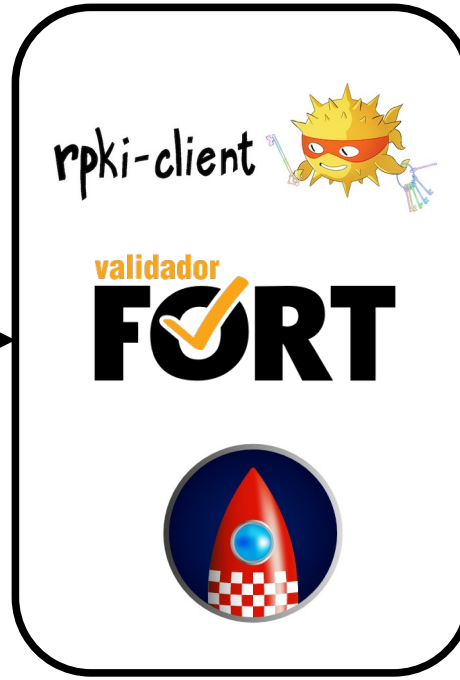


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IETF 121 Hackathon



RIR RPKI Repositories

- Mostly “which ASN can originate announcements for my addresses”
- Data provided by RIR account holders



RPKI Relying Parties

- Fetch data from repositories (via RRDP/rsync) for local use
- rpkgi-client, FORT, Routinator



Routers

- Fetch data from relying parties via rpkgi-rtr
- Use RPKI data to classify routes for acceptance/rejection

draft-ietf-sidrops-8210bis-16

- rpki-rtr v0: RFC 6810 (Jan 2013)
- rpki-rtr v1: RFC 8210 (Sep 2017)
- rpki-rtr v2: this draft
 - Support for new ASPA object type: account holder declares upstream ASNs, allowing routers to perform path validation
 - Various other fixes and improvements

Completed work

- Reference/demonstration implementation
- <https://github.com/APNIC-net/rpki-rtr-demo>
 - Updated ASPA PDU definition
 - Async server implementation
 - Client notifications on new updates
 - Long-lived connections
 - Serial number wraparound
 - Automate integration tests with existing projects