

prop-025-v001

Proposal on IPv6 IRR service at APNIC

Project Update
DB SIG APNIC 19
24 February 2005
Kyoto, Japan

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Overview

- Proposal and status
- Implementation strategy
- New Features
- Schedule
- References
- Q & A



Proposal and status

- Proposed by TOYAMA, Katsuyasu
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 - (a) define a framework of IPv6 IRR and make consensus among all the RIRs
 - (b) launch IPv6 IRR service
 - (c) promote IPv6 IRR
- Consensus reached in APNIC-18 DB-SIG on 2 September 2004
- APNIC EC endorsement on 19 November 2004

Implementation strategy

- APNIC will extend its present IRR database service to include IPv6
- Support IETF RPSLNg Internet-Draft written by
 - Larry Blunk - Merit Network
 - Joao Damas – ISC
 - Florent Parent – Viagenie
 - Andrei Robachevsky - RIPE NCC
- Install the latest RIPE whois database software that supports RPSLNg



New features

- New class
 - route6
- route6 class attributes
 - route6
 - origin
 - member-of
 - inject
 - components
 - aggr-bndry
 - aggr-mtd
 - export-comps
 - holes
 - mnt-lower
 - mnt-routes



New features (cont)

- New attributes
 - aut-num class
 - mp-import
 - mp-export
 - mp-default
 - route-set class
 - mp-members
 - filter-set class
 - mp-filter
 - peering-set class
 - mp-peering
 - inet-rtr class
 - mp-peer
 - rtr-set class
 - mp-members



Schedule

24 Feb 2005

No	Task	Feb	Mar	April
1.1	Project planning	██████████		
1.2	Specification (business rules)		██████████	
1.3	Customisation & development		████████████████████	
1.4	Installation			████████████████████
1.4.1	Query servers			██████████
1.4.2	Master server			██████████
1.5	Completion announcement			██████████
1.6	Prepare report for APNIC 20			██████████



References

- RPSLNg IETF Internet-Draft
 - <http://www.ietf.org/internet-drafts/draft-blunk-rpslng-08.txt>
 - Status: in rfc editor queue
- RIPE whois database RPSLNg support
 - <http://www.ripe.net/db/news/rpslng-211204.html>



Questions?

- FAQ
 - Q: Will the RPSLng implementation affects existing IRR objects in APNIC database?
 - A: No, the new class and attributes extends RPSL. It will not affect existing objects. You may want to change the existing objects when you want to express IPv6 routing policy