



RIPE Database IRIS Prototype

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Background & Overview

- IETF working group formed to replace WHOIS
- CRISP produced the IRIS protocol
 - Solves problems with WHOIS
 - Separate core, transport, and registry types
 - Transports include BEEP, XPC, and LWZ
 - Registry types include dreg, dchk, and areg
- areg is address registry
 - Registry type for IP addresses and AS numbers
 - In working group last call



Prototype Server

- Goals
 - Serve as a technology test-bed
 - Discover operational issues
- Answers areg queries
- Based on FlowerBed
 - VeriSign Labs reference server implementation
- Acts as a proxy to the RIPE Whois Database

`test-iris.ripe.net:3434`

Proxy Details

- Not all attributes present in IRIS
 - “country:”, “rev-srv:”, “remarks:”, “changed:”, “source:”
 - “notify:”, “mnt-by:”, “mnt-lower:”, “mnt-domains:”, ...
 - Routing attributes
- Most mapping straightforward
 - start/end addresses
 - network type, organization, e-mail
 - handles (“nic-hdl:”, “netname:”, “as-name:”, ...)
- Contacts do not map 1:1
 - “tech-c:” becomes “technical contact”
 - “admin-c:” becomes “other contact”
 - person/role documented in “common name”



Clients

- Web interface
 - <http://www.ripe.net/cgi-bin/test-iris/areg-query.pl>
- Pimmit
 - GUI client by VeriSign Labs
- Perl module
 - `use Net::IRIS::Areg1;`



Project Information

<http://www.ripe.net/db/iris-pilot/>

Thanks

- Peter Banik was the engineer for this prototype.
 - Did programming & co-ordination with Verisign
 - Set up service
 - Wrote draft of this presentation
 - Left the RIPE NCC