

WHOIS Service Update

Byron Ellacott

Technical Director

APNIC





XI'AN, CHINA
20 - 30 August 2013

New software

APNIC



Collaboration with RIPE NCC

- Re-engineering of WHOIS server done by RIPE NCC
- Collaborative implementation of
 - APNIC's requirements
 - RDAP web API
- Exchange of expertise and knowledge between RIRs
- Both communities benefit from increased productivity



XI'AN, CHINA
20 - 30 August 2013

New attributes

APNIC



Location and Language

- Hints to content providers about the users of a network resource
- *'geoloc'* attribute is where the resources are used
 - Example: `geoloc: -27.473136 153.01412`
- *'language'* attribute is expected languages of users
 - Example: `language: zh`
- Available on the *'inetnum'* and *'inet6num'* objects now



XI'AN, CHINA
20 - 30 August 2013

History

APNIC



Previous versions of objects

`--list-versions`

Returns a list of historical versions of the object

`--diff-versions <version-number:version-number>`

Returns a difference between two versions of the object

`--show-version <version-number>`

Returns historical version of the object

Tips on using history

- Exact object names only
 - Eg, “202.12.28.0 – 202.12.29.255”, not “202.12.29.219”
- Not available for PERSON or ROLE objects
- Only limited information is currently available
 - More data is being converted and added in the coming months!



XI'AN, CHINA
20 - 30 August 2013

A New Web API

APNIC



Registration Data Access Protocol

- Access registration data using Web technologies
- Character encoding with UTF-8
- Common query and response formats
- Redirect to other servers
 - eg, ERX registrations
- In the process of standardization
 - But we have an early-access service now!

<http://www.apnic.net/rdap/>



XI'AN, CHINA
20 - 30 August 2013

Thank you!

APNIC

