

APNIC Whois Version Upgrade

Elly Tawhai

Senior Internet Resource Analyst/Liaison Officer, Pacific



Overview

- Motivation
- Objective & challenges
- New object type
- New attributes
- Attribute changes
- New features
- New flags
- What next?



Motivation

- Motivation
 - To take advantage of enhanced syntax, new flags, and attributes
 - To have a better operational testing platform (dry-run updates)
 - To provide richer APNIC database query options to the public



Objective and challenges

- Objective
 - To upgrade the APNIC Whois Database to the latest version
- Challenges
 - User awareness
 - Data conversion
 - Policy difference



New object type

- Organization object
 - Provides information about organization delegated Internet resources
 - Contains business information only
 - Business name/contact information, location etc
 - Purpose is to map all delegated resources to an organization



New object type

- Organization object

Example:

organization: ORG-TBI1-APNIC
org-name: Taro Banking Interchange
org-type: OTHER
address: 1 Sunny Street
address: Brisbane
e-mail: bit-bucket@apnic.net
admin-c: HOHO15-AP
tech-c: HOHO15-AP
mnt-ref: APNIC-HM
mnt-by: MAINT-EXAMPLE-AP
changed: hm-changed@apnic.net 20040419
source: APNIC



New attributes

- “import-via” and “export-via”
 - Used within an aut-num object
 - To specify preferred routing policies
 - Inform intermediate autonomous system what routing policy should be applied towards other participants



New attributes

- “import-via” and “export-via”

aut-num: AS15562

import-via: AS6777

from AS15562

action pref = 2;

accept AS-EXAMPLE

export-via: AS6777

to AS15562

action community.={15562:40};

announce AS-EXAMPLE



New attributes

- “created” and “last modified”
 - The attribute “created” will reflect when an object was created
 - The attribute “last modified” indicates when an object was last updated
 - Both to replace “changed” attribute
 - Eventually lead to deprecation of the “changed” attribute



Attribute changes

- “referral-by” to be changed to “optional”
 - Purpose to list the maintainer used during new mntner object creation
 - Attribute cannot be altered once mntner object has been created
 - It will be eventually be deprecated
- Changed syntax for “role” object
 - Syntax has changed to be more like an organization object rather than a person’s name



New features

- Dry-run updates
 - Will allow you to test single or multiple object types within a live database
 - All business rules, syntax, and authentication checks will be performed
 - No change will be made within the database
 - Allow for questions to be answered such as ...
 - What would happen if an update was made? Would the update work? What would the change would look like?



New flags

- New query flags (`--valid-syntax` and `--no-valid-syntax`)
 - `--valid-syntax`
 - Filters out query results of any object that does not match syntax rules for current software version
 - `--no-valid-syntax`
 - Filters out all objects that do match current syntax checks
 - Objects that are left are those that require attention
 - These query flags have not have any impact on queries where not included



What next?

- We welcome feedback from the community
- The APNIC Whois Database upgrade is planned by end of this year



Questions?

elly@apnic.net

