Database Development

Report

What did we do?

- new version 1.1 software is ready (not published yet) but runs on the TEST database.

  new features (since previous report):
  - hierarchical authorization is running now on the test database
  - extended ‘country:’ attribute implemented
  - inetnum updates may use prefix notation
  - line continuation with \
  - many changes to ease installation
  - again: less memory consumption
  - many bug fixes

Database stats(960419)

- as-macro: 55 (37)
- aut-num: 721 (653)
- community: 7 (7)
- domain: 32168 (21812) (!!!!!!)
- dom-prefix: 6 (6)
- inetnum: 47513 (42069)
- inet-rtr: 93 (76)
- mntner: 562 (478)
- person: 65339 (53779)
- route: 12306 (12593) (!!!!!!)

total number of objects: 158770 (960126: 131510)

Hierarchical authorization

- works for creation of ‘domain:’ & ‘inetnum:’ objects
- ‘route:’ objects will follow shortly
- we need advise of the RIPE working groups on some issues...

Hierarchical authorization - Domain objects

- ❍ looks only one level higher
- ❍ creation of TLDs cannot be done

Hierarchical authorization - Inetnum objects

- ❍ what happens if there is no object above the to be created object ?

Hierarchical authorization - Route objects

- ❍ object above is smallest less specific route
- ❍ what happens if there is no object above the to be added object ?
  - ❍ Proposal:

    Do the authorization as specified by the ‘mnt-by:’ attribute of the origin AS

NIC handles

- ❍ NIC handle will be auto generated when not specified, with possibility to be more specific:
  - ❍ ‘nic-hdl: Initials-AUTO’ (use Initials for auto generation)
  - ❍ ‘nic-hdl: Initials#-AUTO’ (use Initials for auto generation, Initials#-AUTO can be used in other objects in the same update message for referencing the person object)
- ❍ in production before next RIPE meeting

RIPE ncc

ROLE/NOC object

- same as person object with some small changes:
  - proposed name: ‘role:’
  - special NIC handle
  - addition of ‘trouble:’ attribute
- how to reference the object ?
  - can be used in ‘tech-c:’ attribute only
  - recursive lookups go only one level deep

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Cengiz’ proposal

- stop use of RIPE-181 line continuation

  What did Marten say in the source code:

  # Did I really think this was a good idea ??
- make the syntactic sugar words mandatory
- keep syntactic sugar words in the raw database files

RIPE ncc

Active proposals & Priorities

- reverse delegation request integration
- role object
- inverse lookup
- whois -tv
- referral mechanism