A proposal for a RIPE database IPv6 site object

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Object description

ipv6-site:	[mandatory]	[single]
descr:	[mandatory]	[multiple]
gpos-location:	[optional]	[multiple]
country:	[optional]	[multiple]
prefix:	[mandatory]	[multiple]
application:	[optional]	[multiple]
tunnel:	[optional]	[multiple]
contact:	[mandatory]	[multiple]
url:	[optional]	[multiple]
remarks:	[optional]	[multiple]
changed:	[mandatory]	[multiple]
source:	[mandatory]	[single]

Attribute descriptions

❍ ipv6-site: <SITE-TAG>

name of the IPv6 site

Example: ‘ipv6-site: ISI’

❍ descr: <Free text>

more verbose description of the site

Example: ‘descr: Marina del rey, Los Angeles’

Attribute descriptions

❍ gpos-location: <LONGITUDE> <LATITUDE> <ALTITUDE> | <domain-name>

Example: ‘gpos-location: -32.6882 116.8652 10.0’
(Curtin University in Perth)

See also: RFC1712

❍ country: <ISO COUNTRY CODE>

❍ other location identifiers ?!?

Attribute descriptions

- prefix: <IPv6Prefix>

  Example: 'prefix: 5f0d:0500:c100::/6'

- application: <service|ping> <hostname> [port]

  Example: 'application: ftp ftp.ISI.EDU'

  Notes:
  - services as defined in the /etc/services file (easy syntax checking)
  - ipv6 services only

Attribute descriptions

- tunnel: <Protocol1> in <Protocol2> <src> -> <dst> [FreeText]

  Example:

  tunnel: IPv6 in IPv4 128.176.191.66 -> 130.225.231.5 IDRPv6

  Notes:
  - hostnames might be easier, one can find the IPv4 and IPv6 address by doing a DNS lookup!
  - other side of the tunnel can be found by database

Attribute descriptions

- contact: <E-mail address|NIC-hdl>

  Examples:
  - contact: David Kessens <davidk@ISI.EDU>
  - contact: DK13-RIPE

- url: <URL>

  Example: url: <http://www.iol.unh.edu>

- other attributes are standard ...