

key-cert owner search

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Reason

- there is no possibility to search key-cert objects using (important and human readable) owner attribute:

```
$ whois -t key-cert
key-cert:      [mandatory]  [single]      [primary/look-up key]
method:       [generated]  [single]      [ ]
owner:        [generated]  [multiple]    [ ]
```



Proposal

- Modify the DB software to enable look-up using owner attribute
- Search should be possible with:
 - email address (both X509 and PGP),
 - full name (PGP),
 - CN value (X509; both full and partial (from the beginning) values),
 - (option) full value of owner field.



Examples (1)

□ Two extracts from the DB dump:

1. `key-cert: X509-2572`
`method: X509`
`owner: /C=NL/O=RIPE NCC/OU=Members/CN=is.isnic.thorhs/`
`emailAddress=thorhs@basis.is`
2. `key-cert: PGPKEY-159560E6`
`method: PGP`
`owner: Christian Korte <korte@3cnet.de>`

Examples (2)

□ Proposed search methods:

- `$ whois -Tkey-cert thorhs@basis.is`
- `$ whois -Tkey-cert korte@3cnet.de`
- `$ whois -Tkey-cert "Christian Korte"`
- `$ whois -Tkey-cert is.isnic.thorhs`
- `$ whois -Tkey-cert is.isnic`

□ and as an option:

- `$ whois -Tkey-cert "/C=NL/O=RIPE NCC/OU=Members/
CN=is.isnic.thorhs/emailAddress=thorhs@basis.is"`
- `$ whois -Tkey-cert "Christian Korte <korte@3cnet.de>"`



Pros and cons

- (+) It will be easier to find certs
- (-) Current search is „full value”; some changes into software and/or new flag is necessary



Questions?