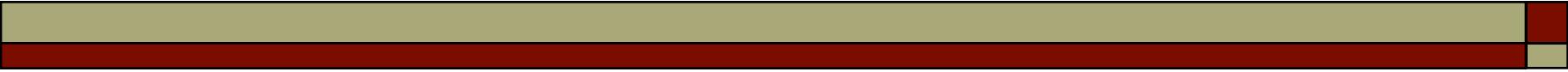


# key-cert owner search

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# Reason

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- 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

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- 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)

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## □ 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)

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## □ 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

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



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Questions?