



RIPE
NCC

Personalised Authorisation for the RIPE Database

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- Concept of **mntner** is not intuitive
- It's a box holding passwords of unidentifiable people
- A **mntner** has no obvious link to the people who maintain the data
- Training courses and RS Request Forms show 100s users mis-understand **mntner** every year
- Questions to ripe-dbm have not changed in last 10 years
- People think "I" maintain this data, so “mnt-by: denis” or for the more enlightened “mnt-by: dw-ripe”
- Users naturally assume what we are now proposing

- Move "auth:" attribute to **person** object
- Group **person** objects in **role** object
- Use **role** object as maintainer
- Can be operated in parallel with current **mntner** system
- add optional "auth:" to **person**
- allow reference to **mntner** or **role** as maintainer
- Later - Delete **mntner** objects

- In engineering terms – small, simple change
- For understanding – massive improvement

“What you say”.....“Direct translation to database”

My colleagues and I	(person objects with auth:)
take on the role	(grouped into a role object)
within our organisation	(has “org:” attribute)
to maintain this data	(referenced as “mnt-by:”)

- Intuitive
- Direct translation of your business setup to the database setup
- Fits well with personalised SSO (key to future)
- Easy to explain, Easy to understand, Less problems, Less questions, Less business delays
- **person** object can be self maintaining using it's own "auth:"
 - No more chicken & egg startup situation

- Find relevant "mnt-xyz:" attr(s) (same as now)
- Find referenced **role(s)** (now it's referenced **mntner(s)**)
- Find referenced **person(s)** (extra step in our software)
- Get list of credentials (same as now)
- If any 1 credential matches, authorised (same as now)



- Add optional attribute "auth:" to **person** object
- New optional attribute "auth-c:" in **role** object references nic-hdl of **person** object
- All attrs "mnt-xyz:" reference nic-hdl of **role**

- Take each **mntner**
- create **person** for each “auth:” value
- create **role** referencing each **person** with “auth-c:”
- replace all refs to **mntner** with **role** nic-hdl
- delete **mntner**