

Naming convention for Database Services at CERN

- Aim:
 - help account management
 - Allow experiments and users prepare apps
- Restrictions:
 - Max identifier length 30 characters

Project name

- Prefixed with experiment name
 - ALICE_, ATLAS_, CMS_, LHCB_
- Maximum of 18 characters (better max 15)
 - BOOKKEEPING (11), TRANSFERMNGM (12), PIXEL_DT (8)...

Username

– Integration

_OWNER	Same privileges as developer
_WRITE	Granted with insert/update/delete privileges Can create views/synonyms
_READ	Granted with select privileges Can create views/synonyms

- Example: CMS_TRACKER_OWNER, CMS_TRACKER_WRITER, CMS_TRACKER_READER

- Development

_DEV	Only one account needed/requested
DEV<NICE>	More than one account needed for same project

- Example: ATLAS_MUON_DT_DEV, ATLAS_MUON_DT_MANJO

Tablespaces

- Integration, production

_DATA	For tables/views etc
_INDX	For indexes
_<others>	If needed for special datatypes (eg. BLOBS)

- Example: CMS_TRACKER_DATA, CMS_TRACKER_INDX

- Development

DATA01 (shared for all users)	data
INDX01 (shared for all users)	indexes

Connection string

- Production

- One service_name per project

- With 10g client: EZ connect:

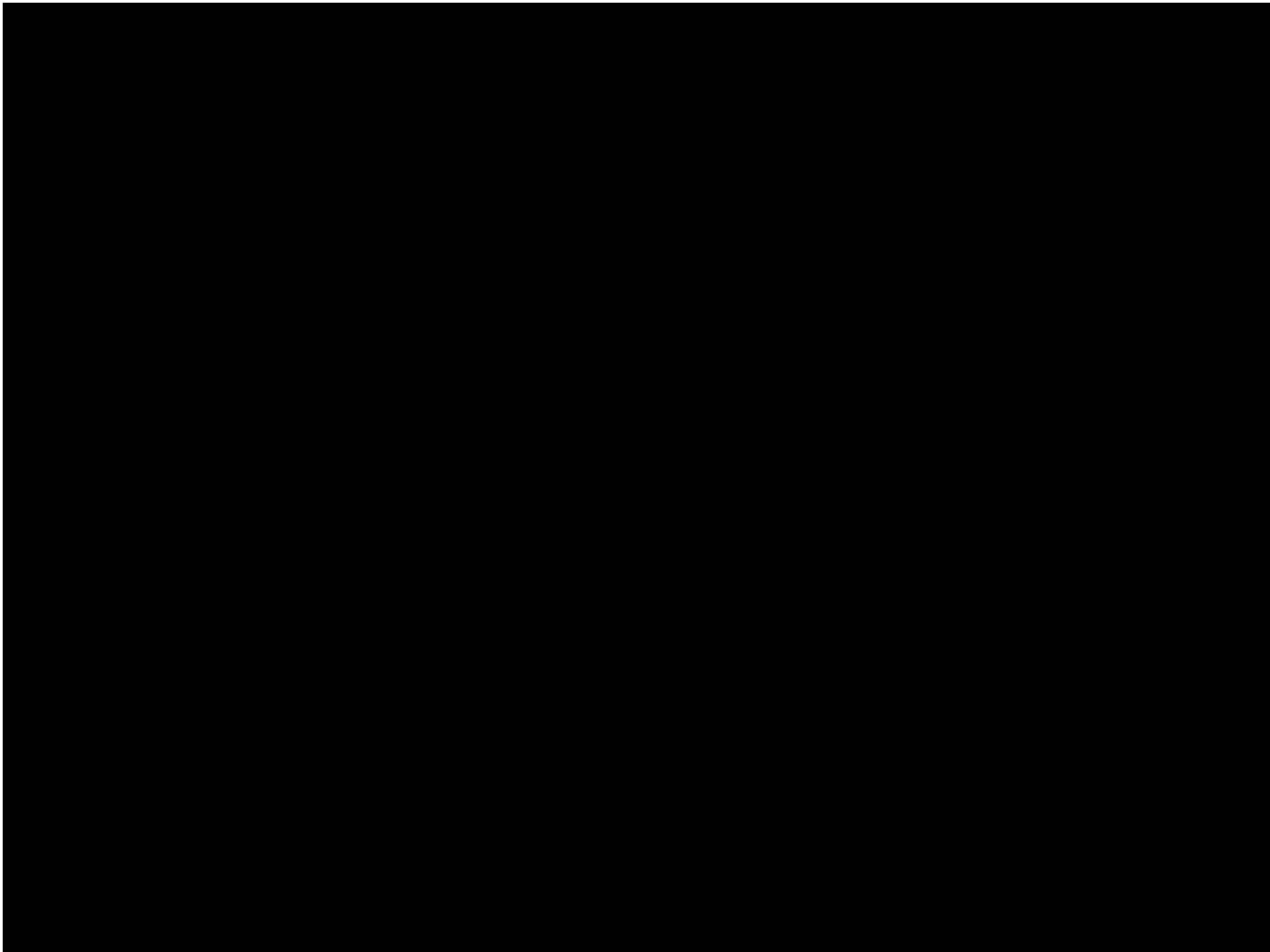
- user@host:port/service_name

- Example:

- lhcb_book_reader@pdb01/lhcb_book.cern.ch

- With tnsnames entry:

```
LHCB_BOOK =  
  (DESCRIPTION =  
    (ADDRESS = (PROTOCOL = TCP) (HOST =  
pdb01.cern.ch) (PORT = 1521))  
    (CONNECT_DATA =  
      (SERVER = DEDICATED)  
      (SERVICE_NAME = lhcb_book.cern.ch)  
    )  
  )  
)
```



Users roles and profiles

- Development (`_DEV`, `_OWNER`)
 - Password changes
 - 10 sessions max
 - Can create all objects
- Application (`_READER`, `_WRITER`)
 - No limit of sessions
 - Can only create views synonyms
 - Have to be granted to objects