# 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)...

### Usernames

#### 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></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></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