eBRS® Data Migration Procedures

Before syncing ensure that you have the following:

'main' database e.g. ebrs_dedza, have facility main database synced to this database 'local' database e.g. ebrs_local_dedza, have facility local database synced to this database 'audit' database e.g. ebrs_audit_dedza, have facility audit database synced to this database

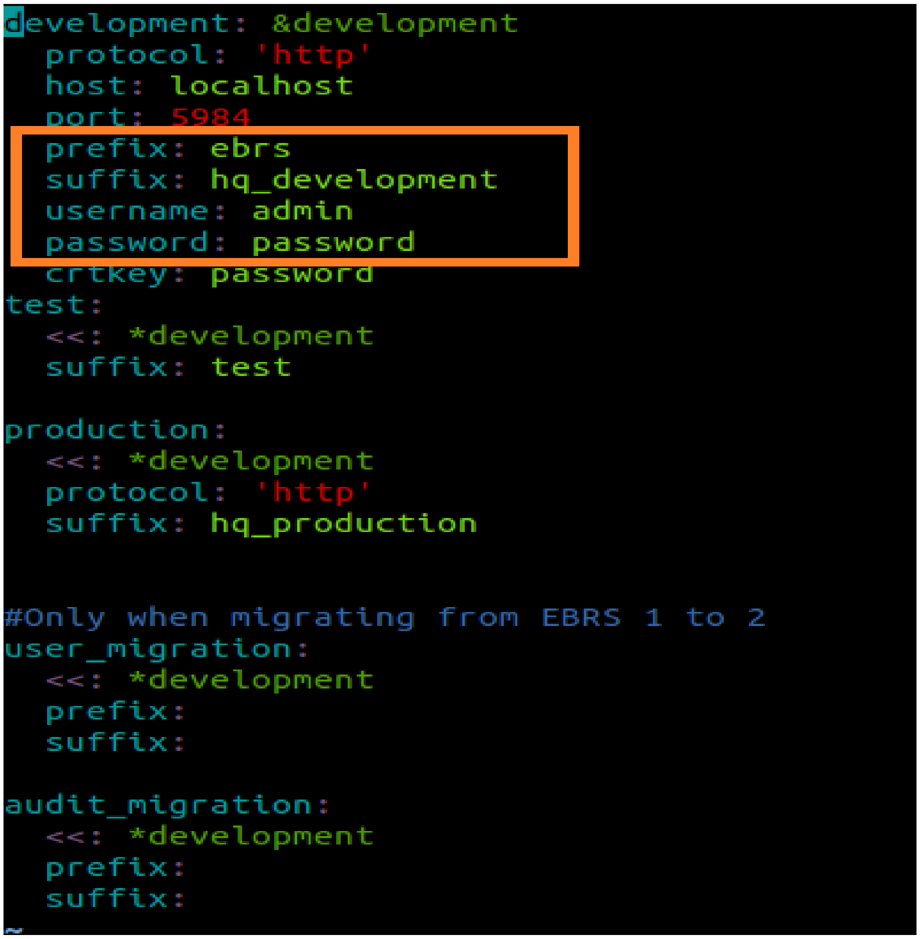
get a copy of metadata.sql from HQ get a copy of hq_users.sql from team members / developers and put it in this app root folder (this file is not pushed to Git-hub for security purposes).

Please follow the instructions properly

General

1. Copy all **.yml.example** files in config removing **.example**
2. Edit the configuration parameters properly In **couchdb.yml** specify source couch databases for child records, users and npids. leave crtkey to 'password'

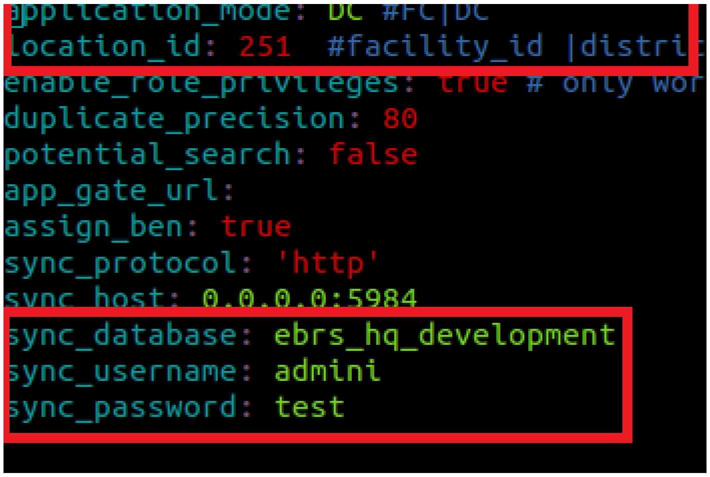
Fig. 1. **Couchdb.yml** Change the highlighted parameters



```
development: &development
  protocol: 'http'
  host: localhost
  port: 5984
  prefix: ebrs
  suffix: hq_development
  username: admin
  password: password
  crtkey: password
test:
  <<: *development
  suffix: test

production:
  <<: *development
  protocol: 'http'
  suffix: hq_production


#Only when migrating from EBRS 1 to 2
user_migration:
  <<: *development
  prefix:
  suffix:

audit_migration:
  <<: *development
  prefix:
  suffix:
~
```

Fig 2. **settings.yml.** Change the highlighted parameters to correctly reflect your environment

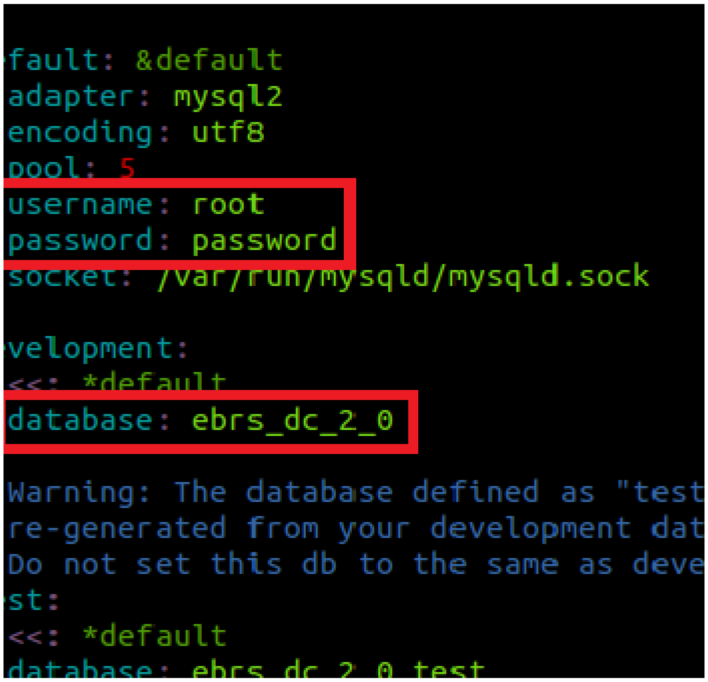
application_mode specifies which mode the eBRS application will be running. i.e. **DC** or **FC**. **location_id** is the value for each site you are running the application, for example 251 is site code for Lilongwe DC. The **sync_database** is the couchdb used for syncing data with a remote location. Put the **sync_username** and **sync_password** values respectively.



```
application_mode: DC #FC|DC
location_id: 251  #facility_id |distri
enable_role_privileges: true # only wor
duplicate_precision: 80
potential_search: false
app_gate_url:
assign_ben: true
sync_protocol: 'http'
sync_host: 0.0.0.0:5984
sync_database: ebrs_hq_development
sync_username: admini
sync_password: test
```

Fig 3. **database.yml.** Change the highlighted parameters to correctly reflect your environment.

These are the Mysql database settings.



```
fault: &default
adapter: mysql2
encoding: utf8
pool: 5
username: root
password: password
socket: /var/run/mysqld/mysqld.sock

velopment:
<<: *default
database: ebrs_dc_2_0

Warning: The database defined as "test
re-generated from your development dat
Do not set this db to the same as deve
st:
<<: *default
database: ebrs_dc_2_0_test
```

3. Get a copy **of private.pem** and **public.pem** script and paste in config/
4. Edit **elasticsearchsetting.yml** and add a line on **index** key to match one for the ebrs application running
5. Run **bundle install --local**

6. Sync all facility records to DC. Both FC and DC migration will be handled from DC database
7. Initialize mysql database by running following command

   ./setup.sh development | production

   choose one environment, i.e. **production** or **development**

Migration Process - FC

1. Start by migrating facility records For each facility get the corresponding facility **location_id** from **location_table** and set as value for the key **location_id** in **setting.yml** Also set value for the key **migration_mode** to **FC** in the same file.
2. Start the migration process **bundle exec rails runner bin/migration_data.rb**
3. After migration of FC, a dump will be automatically generated at root of the application

Migration Process - DC

1. Using the same couch db database, changes will be made only in **settings.yml**
2. In **settings.yml,** change **location_id** to **location_id** of district, for example **261** for **Machinga**
3. In **settings.yml**, also change **migration_mode** to **DC**
4. Re-run migration script with same command **bundle exec rails runner bin/migration_data.rb**
5. After script has finished another dump with district name will be generated

What to do with these dumps?

1. The first dump will be loaded in corresponding Facility database
2. The second dump for district will be loaded in two databases, the DC and the HQ