

SQL to NoSQL migration

This document records every solution/software encountered dealing with the matter of data migration.

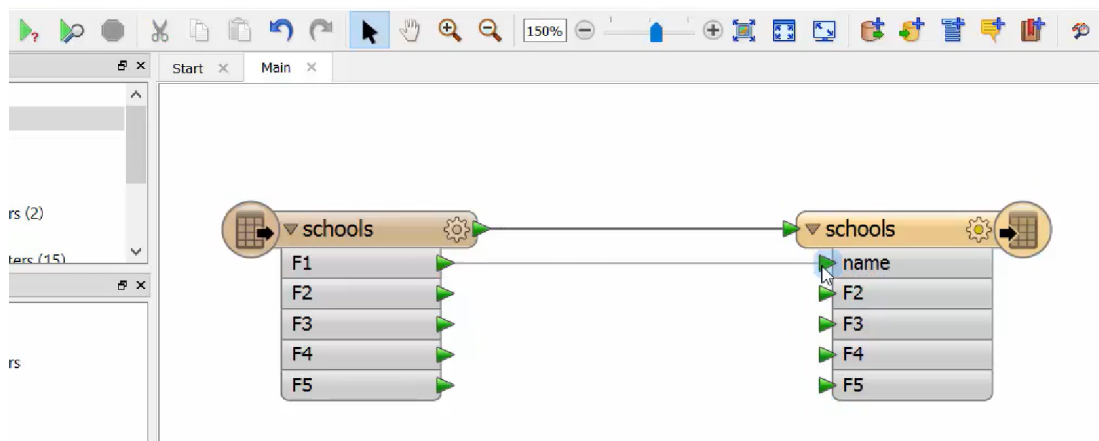
Safe FME Software

<https://www.safe.com/convert/sql-server/mongodb/>



Description

This software allows the building of a workflow between databases to better manage data migration and manipulation. Here's an example:



Price

This software is not free but has a 30 day free trial.

Test Status

Not tested.

mysql-mongo-migrate



<https://github.com/DannySofftie/mysql-mongo-migrate>

Description

A Node.js script to migrate MySQL data to MongoDB, mapping MySQL tables to MongoDB collections.

Will allow migrations from and to remote sites.

```
danny@danny:/mnt/Projects/work/mysql-mongo-migrate$ node .
✓ MySQL database host address? ... 127.0.0.1
✓ MySQL database authentication username? ... root
✓ MySQL database authentication password? ... *****
✓ MySQL database name? ... tekiriastore
✓ MySQL connection established. Press any key to continue.

✓ MongoDB database host address? ... 127.0.0.1
✓ MongoDB authentication username? ... danny
✓ MongoDB authentication password? ... *****
✓ MongoDB database name? ... tekiriadb
✓ MongoDB connection established. Press any key to continue.

✓ Generate Typescript Mongoose schema models? ... true
Found 4 models and wrote into json files in 24s and 476ms
Mapping into MongoDB collections ....
✓ Inserted 17 documents into the categories collection.
✓ Inserted 15 documents into the products collection.

✓ Complete! Dumped into MongoDB. Empty MySQL schemas were ignored.
```

Price

Free

Test Status

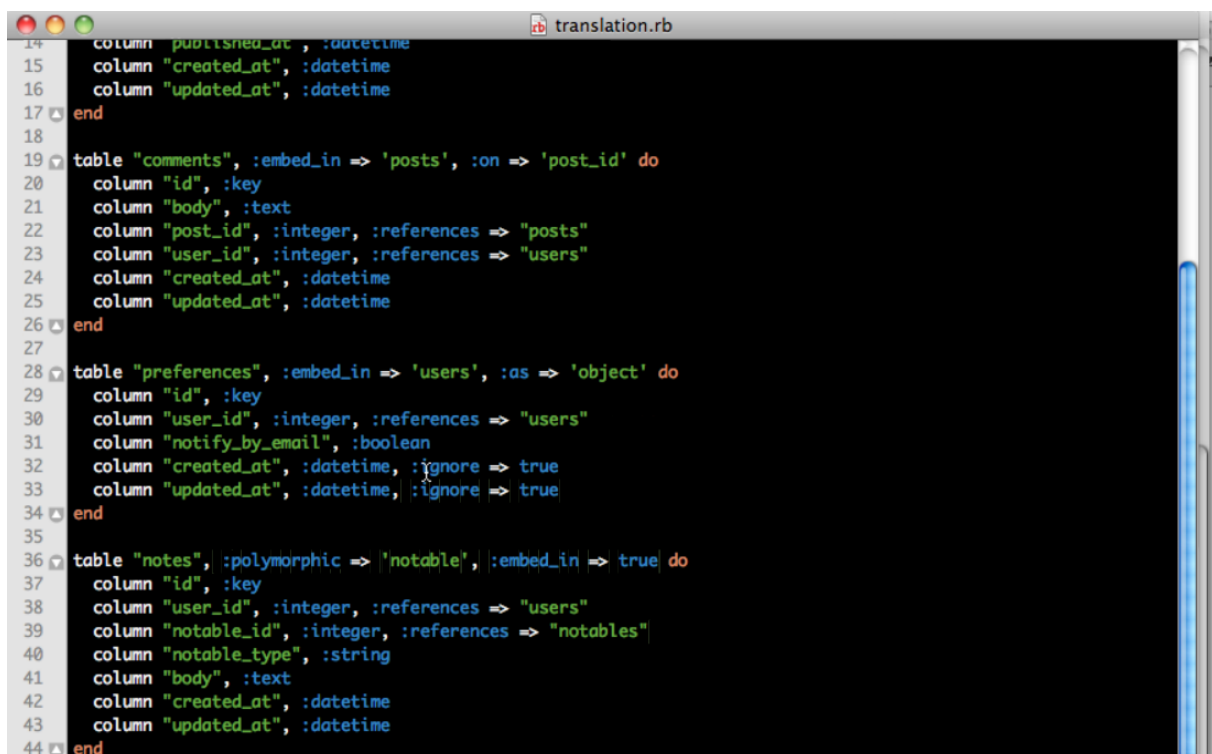
Ran into issues connecting to MongoDB database (needs creation of user and user authentication).



Description

Mongify is a data translator system for moving SQL data to MongoDB.

Mongify helps you move your data without worrying about the IDs or foreign IDs. It allows you to embed data into documents, including polymorphic associations. All this and more with just a few simple steps.



```
translation.rb
14 column :published_at, :datetime
15 column "created_at", :datetime
16 column "updated_at", :datetime
17 end
18
19 table "comments", :embed_in => 'posts', :on => 'post_id' do
20   column "id", :key
21   column "body", :text
22   column "post_id", :integer, :references => "posts"
23   column "user_id", :integer, :references => "users"
24   column "created_at", :datetime
25   column "updated_at", :datetime
26 end
27
28 table "preferences", :embed_in => 'users', :as => 'object' do
29   column "id", :key
30   column "user_id", :integer, :references => "users"
31   column "notify_by_email", :boolean
32   column "created_at", :datetime, :ignore => true
33   column "updated_at", :datetime, :ignore => true
34 end
35
36 table "notes", :polymorphic => 'notable', :embed_in => true do
37   column "id", :key
38   column "user_id", :integer, :references => "users"
39   column "notable_id", :integer, :references => "notables"
40   column "notable_type", :string
41   column "body", :text
42   column "created_at", :datetime
43   column "updated_at", :datetime
44 end
```

Price

Free

Test Status

Ran into installation issues (uses RubyGems) and did not manage to make it work.