

Knowledgebase Access

Replace

```
mkoenig -> <user>
test -> <password>
```

mySQL setup

```
sudo apt-get install mysql-server
sudo apt-get install mysql-workbench
```

Login to database

```
mysql --user=root mysql --password=<pw>
```

Create user

```
CREATE USER 'mkoenig'@'localhost' IDENTIFIED BY 'test';
GRANT ALL PRIVILEGES ON *.* TO 'mkoenig'@'localhost' WITH GRANT OPTION;
```

Test access

```
mysql -u mkoenig -p -h localhost wholecellkb
```

Create database

```
CREATE DATABASE wholecellkb DEFAULT CHARACTER SET utf8 DEFAULT COLLATE
utf8_unicode_ci;
DROP DATABASE wholecellkb
```

Django setup

```
sudo pip install django==1.6.8
sudo pip install django-haystack xapian-haystack django-extensions
sudo pip install lxml2pdf httplib2 nose pisa hashlib huTools BeautifulSoup docutils
epydod odict
sudo apt-get install python-biopython
```

Code

Checkout the git. Important parts are the python/database folder and schema folder

<https://github.com/dagwa/wholecell-metabolism/mkoenig/python/database>

Path settings in bash.bashrc

```
export
PYTHONPATH=${PYTHONPATH}:/home/mkoenig/wholecell-metabolism/mkoenig/python/database/
export
PYTHONPATH=${PYTHONPATH}:/home/mkoenig/wholecell-metabolism/mkoenig/python/database/wh
olecellkb
export
PYTHONPATH=${PYTHONPATH}:/home/mkoenig/wholecell-metabolism/mkoenig/python/database/pu
blic
export DJANGO_SETTINGS_MODULE=wholecellkb.settings
```

Create Django DB schema

```
python manage.py syncdb
```

Import MySQL dump

Download the SQL dump (data.sql)

https://simtk.org/frs/download.php?file_id=3426

```
mysql -u mkoenig -p test -h localhost wholecellkb < data.sql
```

Can be necessary to import the SQL manually

Edit database settings `database/settings.py`

- DATABASES: edit host, user, password

Overview database schema

Overview of tables and relationships for navigation between table in subfolder. Highly recommended to look at this (you can click on the tables to follow the relationships)

`/schema/index.html`