

How to setup the POSTGRES and UMass-Bookshare

UMass-Bookshare Group

April 30, 2015

How to setup the POSTGRES server

0.

On Ubuntu, if you don't have postgres installed run these two commands otherwise install with your regular package manager.

```
sudo apt-get update
sudo apt-get install postgresql postgresql-contrib postgresql-client
```

1.

How to log into the server and begin setup. If you cannot access the server read troubleshooting. Remember to end SQL queries with a colon.

a.

```
psql -U postgres
```

b.

```
CREATE DATABASE yourpreferredDBname;
```

c.

```
\connect yourpreferredDBname
```

d.

```
\q
```

You will now be returned to the shell.

How to setup the UMass-Books server

If you are on Ubuntu or a distro that uses the same package manager run install.sh in the directory you want to install the server in. Follow the instructions when prompted.

If you are not on Ubuntu then proceed with the instructions below.

1.

Perform an update then install the following using your package manager.

- postgresql
- postgresql-contrib
- postgresql-client
- nodejs
- npm
- git
- nodejs-legacy

2

Copy over the server files.

```
git clone https://github.com/UMass-Bookshare/UMass-Bookshare.git
```

3

Inside ./UMass-Bookshare/bookapp/node_modules/ create server.conf with body

```
var exports = module.exports = {};
exports.db = "YOURDATABASE";
exports.user = "postgres";
exports.pass = "YOURPASSWORD";
```

4

cd to ./UMass-Bookshare/bookapp/ and run

```
npm install
```

5

Start the server with `npm start`

Troubleshooting

1. If you cannot connect to your DB you probably haven't set up a password yet.

Open "/etc/postgresql/[VERSION]/main/pg_hba.conf" as an admin.

eg. `sudo vim /etc/postgresql/[VERSION]/main/pg_hba.conf`

change:

```
local all postgres md5/peer
```

to:

```
local all postgres trust
```

Restart the PG server

```
sudo service postgresql restart
```

Connect to the database using "psql -U postgres" and run the install as normal. If you want to change it so you are prompted for a password do

```
ALTER ROLE postgres WITH PASSWORD 'yournewpassword';
```

and change the line in pg_hba.conf back to

```
local all postgres md5
```

then restart

```
sudo service postgresql restart
```

2. `npm start` fails with error code 127:

It's likely `nodejs-legacy` was not properly installed. Try installing it again and do an `npm install` before starting the server

3. `npm start` fails with error code 3/8:

Some module failed to install, run `npm install` in `UMass-Bookshare/bookapp/`