Turtl API Server and Client Installation CentOS 7

Turtl API

Clone and Configure Turtl API

1. Create a user for turtl API: `sudo useradd turtl`
2. Switch user to `turtl`: `sudo su turtl`
3. Change directory to `turtl`'s home: `cd ~`
4. Install Clozure CL
5. Install RethinkDB and create an instance for Turtl API
6. Install `libuv`: `sudo yum install libuv`
7. Clone Turtl repo: `git clone https://github.com/turtl/api.git`
8. Copy Turtl API config: `cp config/config.default.lisp config/lisp`
9. Edit and configure `config/config.lisp`, make sure to update the following parameters:

```
(defvar *local-upload* "<local upload directory>"
(defvar *local-upload-url* "<upload url>"
```

Setup Up Service

Create a service file at `/usr/lib/systemd/system/turtl.service` with the following entry:

```
[Unit]
Description=Turtl API Server

[Service]
User=turtl
Group=turtl
ExecStart=/usr/local/bin/ccl64 --load /home/turtl/api/start.lisp
```

```
KillMode=process

[Install]
WantedBy=multi-user.target
```

Start and enable the service:

```
sudo systemctl start turtl
sudo systemctl enable turtl
```

(OPTIONAL) Configure Reverse Proxy in Apache

Create `httpd` virtual host configuration `/etc/httpd/conf.d/turtl.conf` with the following content, make sure to change `<turtl domain>` to your own domain name:

```
<VirtualHost *:80>
    #Server name configuration
    ServerName <turtl domain>
    ServerAdmin webmaster@<turtl domain>

    #Proxy configuration
    ProxyPreserveHost on
    ProxyRequests off
    ProxyPass / https://wiki.twcloud.tech:8181/
    ProxyPassReverse / https://wiki.twcloud.tech:8181/

    #Logging configuration
    ErrorLog /var/log/httpd/turtl.err
    LogLevel warn
</VirtualHost>
```

(OPTIONAL) Restrict User Registration

Add the following lines in your Turtl API Virtual Hosts configuration:

```
    #Restrict Registration
    <LocationMatch  "^/users[/]?$">
```

```
        AuthType Basic
        AuthName "Restricted"
        AuthUserFile /home/turtl/.htpasswd
        Require valid-user
    </LocationMatch>
```

Then generate a `.htpasswd` password file in `/home/turtl`: `sudo htpasswd -c /etc/apache2/.htpasswd <whatever username>`. Make sure that it's in the right permission and owner: `chmod 640 /home/turtl/.htpasswd && chown turtl:apache /home/turtl/.htpasswd`

Installing JS Client

1. Clone `turtl/js` repo to webserver webroot: `sudo mkdir /var/www/turtl && cd /var/www/turtl && sudo git clone https://github.com/turtl/js.git .`
2. Install NodeJS dependencies: `npm install`
3. Copy default config: `cp config/config.js.default config.js`
4. Edit `config/config.js`
5. Update owner and group: `chown -R apache:apache .`
6. Generate assets: `make`

Revision #7
Created 28 April 2017 04:23:25 by Tingwai
Updated 28 April 2017 08:08:43 by Tingwai