

GNU/Linux Administration - Support #353

Setting Up A Self-Hosted HabitRPG Node

03/31/2014 07:42 AM - Daniel Curtis

Status:	Closed	Start date:	03/31/2014
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	100%
Category:		Estimated time:	3.00 hours
Target version:		Spent time:	3.00 hours

Description

This guide is to document setting up a self-hosted HabitRPG node. It is assumed that the node is setup and configured as an ISPConfig web server node, as covered in Issue [#177](#).

Install and set up MongoDB

```
apt-get install mongodb
```

Install and set up NodeJS and NPM

Because Ubuntu's software repositories may run a few months behind the latest revisions, Ubuntu users will want to install node from an updated repository:

```
apt-get update
apt-get install python-software-properties
apt-add-repository ppa:chris-lea/node.js
apt-get update
apt-get install nodejs
```

(Optional) Building NodeJS from source

Since I am not running an Ubuntu system, I had to resort to compiling the latest NodeJS from source.

Resolve prerequisite packages

```
apt-get install python g++ make checkinstall
```

Make, then change into a temporary build folder

```
src=$(mktemp -d) && cd $src
```

Get latest NodeJS source

```
wget -N http://nodejs.org/dist/node-latest.tar.gz
```

Extract NodeJS source

```
tar xzvf node-latest.tar.gz && cd node-v*
```

Configure build variables

```
./configure
```

Build a .deb package

```
fakeroot checkinstall -y --install=no --pkgversion $(echo $(pwd) | sed -n -re 's/\.+node-v(.+)$/\1/p') make -j$(($(nproc)+1)) install
```

- Install the NodeJS .deb

```
sudo dpkg -i node_*
```

Install and set up Git

Fork the repository on your computer

```
git clone https://github.com/HabitRPG/habitrpg.git
```

Make sure you are on the develop branch where all the development, this should be the default branch if you are forking from github. You can check with `git branch`, the branch with a star next to it is the branch you are currently on. If you are not on the develop branch switch to it

```
cd /path/to/habitrpg
git checkout develop
```

Install grunt-cli npm package globally

Note: On some systems you may need to add `sudo` in front of this command

```
npm install -g grunt-cli bower
```

Install the npm and bower packages:

```
npm install
```

Create a config file from the example one:

```
cp config.json.example config.json
```

Edit `config.json` with your values for:

- **ADMIN_EMAIL**
- **SMTP_USER**
- **SMTP_PASS**
- **SMTP_SERVICE**

Ensure that Mongo is running:

```
service mongod start
```

Then seed the database with initial settings:

```
node ./src/seed.js
```

Run HabitRPG

There are two ways to start the web application:

1. Using grunt

```
grunt run:dev
```

2. **OR** Using NPM

```
npm start
```

Autostart HabitRPG at boot time

I wanted to have HabitRPG start at boot, and unfortunately there wasn't any documentation on how to do this. Nevertheless, I found that adding the following line to /etc/rc.local started the server at boot time:

```
cd /usr/local/habitrpg && npm start &
```

This will start an HTTP server on port 3000, so pointing a web browser there will access the HabitRPG site

Troubleshooting

I encountered a couple of errors while starting the web application.

Failure to start grunt

```
failed to locate @import file ../bower_components/angular-loading-bar/build/loading-bar.css Warning: Stylus failed to compile.
Used --force, continuing.
```

You need to update bower and restart the command:

```
bower update
grunt run:dev
```

bower update fails

```
Error: EEXIST, rename '.bower-cache/ef2188def21eb1bbd1f1792311942a53/1.2.15-build.2360%2Bsha.6b18a56'
```

If you encounter this or a similar error when issuing a bower update, perform the following:

```
cd .bower-cache/ef2188def21eb1bbd1f1792311942a53/
rm -rf 1.2.15-build.2360%2Bsha.6b18a56
```

The actual names of these directories may differ on your system.

Resources

- http://habitrpg.wikia.com/wiki/Setting_up_HabitRPG_locally
- http://habitrpg.wikia.com/wiki/Guidance_for_Blacksmiths#Git
- http://habitrpg.wikia.com/wiki/Installation_troubleshooting
- <https://github.com/joyent/node/wiki/Installing-Node.js-via-package-manager>

Related issues:

Copied to FreeBSD Administration - Support #565: Install -HabitRPG- Habitica ...

Closed

03/31/2014

History

#1 - 03/31/2014 07:43 AM - Daniel Curtis

- Description updated

#2 - 04/01/2014 08:17 AM - Daniel Curtis

- Status changed from In Progress to Closed

#3 - 05/19/2014 07:09 AM - Daniel Curtis

- Description updated

#4 - 12/26/2014 06:46 PM - Daniel Curtis

- Project changed from 86 to GNU/Linux Administration

#5 - 02/19/2015 04:57 PM - Daniel Curtis

- Copied to Support #565: Install -HabitRPG- Habitica on FreeBSD added