SSL

SSH Keygen

Generate new ssh keys using the unix ssh keygen:

ssh-keygen

* -b - bits: 2048, 4092
* -t - type: rsa
* -N - passphrase
* -C - comment
* -f - output filename

example:

ssh-keygen -t rsa -b 4092 -N password -C github -f github\_rsa\_id

Certificate Authority

In order for a browser to trust a website is who it says it is, a certificate is presented to the browser upon connection.

LetsEncrpyt

Lets encrpyt is a free SSL certificate authority, which provides software packages to automatically install and update SSL certificates to enable HTTPS.

To install on linux:

sudo apt-get update

sudo apt-get upgrade

sudo apt-get install certbot python-certbot-nginx

Check puma status and stop any server running:

pumactl status

pumactl stop

Generate certificates and install on nginx following the commands of:

sudo certbot --nginx

Check nginx server config is acceptable