

Citadel

Install Citadel:

```
curl https://easyinstall.citadel.org/install | bash
```

Answer questions during automated install:

- admin: ##### (admin for webcit)
- admin password: ##### (admin webcit password)
- user: ##### (internal use citadel user)
- port: 504 (internal use citadel port)
- http: 4480 (to keep behind VPN)
- https: 4434

Open ports to VPN only (for now):

```
sudo ufw allow in on <vpn_interface> to any port 4480  
sudo ufw allow in on <vpn_interface> to any port 4434
```

WebCit configuration:

- Login via HTTP over VPN (browser, 4480)
- Reduce privileges of default registered user
- Set up accounts and mail forwarding
- Configure `site configuration` > `fully qualified domain name` and `node name` to `<domain_name>`
- Configure `domain names` > `local host aliases` to receive email to `<domain_name>` and `mail.<domain_name>`

Symbolic links to Let's Encrypt certificate:

```
ln -sfv /etc/letsencrypt/live/wilsons.life/privkey.pem /usr/local/citadel/keys/citadel.key
ln -sfv /etc/letsencrypt/live/wilsons.life/fullchain.pem /usr/local/citadel/keys/citadel.cer
```

Configure nginx reverse proxy:

```
location /citadel/ {
    proxy_set_header Host $host;
    proxy_pass http://127.0.0.1:4480/;
    proxy_redirect off;
}

location /static/ {
    proxy_set_header Host $host;
    proxy_pass http://127.0.0.1:4480/static/;
    proxy_redirect off;
}
```

Open external ports:

```
sudo ufw allow <port_to_open>/<protocol>
```

Double check with `sudo netstat -tunlp` to make sure citadel is serving on all ports before opening them. Sometimes it takes a `sudo systemctl restart citadel` to get it going.

SMTP:

25/tcp
465/tcp
587/tcp

IMAP:

143/tcp
993/tcp

XMPP:

5222

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