

Plik



Use cases

- Send large files
- Thunderbird integration

Pros

- Self hosted
- Password on file
- Time/download limits
- Reliable / can keep it around for a while

Installing

```
cd ~/src  
$ wget https://github.com/root-gg/plik/releases/download/1.3.6/plik-1.3.6-linux-amd64.tar.gz  
$ tar xzvf plik-1.3.6-linux-amd64.tar.gz  
$ cd plik-1.3.6-linux-amd64/server
```

Use

1. Run

```
./plikd
```

2. Access <http://localhost:8080>

3. Configure port as 8081 = configured in plikd.cfg

There are a lot of services which use 8080 by default so I like to move them.

Config

1. Change from 8080 to 8081
2. Port forward 8081
3. Give it a nice domain/subdomain
4. Configure https (let's encrypt)
5. Start automatically (systemd)

Apache setup

Proxy web server setup (could also use Nginx)

Setup sub domain

Through your DNS provider (I use dnsimple) setup
a sub domain A-record

EG: plik.mlug-au.org

Config port 80 for your subdomain

/etc/apache2/sites-enabled/000-default.conf

```
<VirtualHost *:80>
  ServerName plik.mlug-au.org
  ProxyPass          "/" "http://192.168.200.4:8081/"
  ProxyPassReverse  "/" "http://plik.mlug-au.org:8081/"

  DocumentRoot /var/www
</VirtualHost>
```

NOTE: ProxyPassReverse could be <http://plik.mlug-au.org>

Use certbot to create certificates

```
sudo certbot --apache
```

Check SSL Settings

/etc/apache2/sites-enabled/000-default-le-ssl.conf

```
<VirtualHost *:443>
  ServerName plik.mlug-au.org
  ProxyPass          "/" "http://192.168.200.4:8081/"
  ProxyPassReverse  "/" "http://plik.mlug-au.org:8081/"

  DocumentRoot /var/www

  ServerAlias plik.mlug-au.org
  SSLCertificateFile /etc/letsencrypt/live/plik.mlug-au.org/fullc
  SSLCertificateKeyFile /etc/letsencrypt/live/plik.mlug-au.org/pr
</VirtualHost>
```

Restart apache

```
sudo systemctl restart apache2.service
```

Test

<https://plik.mlug-au.org>

Thunderbird Plugin

Install

<https://addons.thunderbird.net/en-us/thunderbird/addon/filelink-for-plik/>

Config

1. Edit -> Preferences
2. Composition
3. Under **Attachments** Click 'Add Plik'
4. Setup

Server
URL

<your domain to plik>:8081

username

<recommended changing plik to
something else>

password

<recommended putting a
password>

-
5. Click on 'Offer to share for files larger than
5MB'

Creating a service

Move to /opt/plik

```
sudo mv plik* /opt/plik  
sudo chown -R <user>:<user> /opt/plik
```

Create `/usr/local/bin/<program>- start.sh`

```
#!/bin/bash  
# start your server  
cd /opt/plik/server  
./plikd &
```

Create `/usr/local/bin/<program>- stop.sh`

```
#!/bin/bash  
pkill -f plikd
```

Make executable

```
sudo chmod +x /usr/local/bin/<program>*.sh
```

Create /etc/systemd/<program name>.service

```
[Unit]
Description=<Program Name>
After=network.target
After=systemd-user-sessions.service
After=network-online.target
```

```
[Service]
User=<user>
Type=forking
ExecStart=<start script>
ExecStop=<stop script>
TimeoutSec=30
TimeoutStopSec=30
Restart=on-failure
RestartSec=30
StartLimitInterval=350
```

Enable Service

```
sudo systemctl enable /etc/systemd/<program name>.service
```


Start Service

```
sudo systemctl start /systemd/<program name>.service
```

Demo

References

GitHub - root-gg/plik: Plik is a temporary file upload system.

Questions

Email map7@fastmail.com

Twitter [@map7](https://twitter.com/map7)

Github [github: map7](https://github.com/map7)
