

Automated renewals

Before starting test that the renewal process works

```
/opt/letsencrypt/letsencrypt-auto renew --dry-run
```

Make sure the path is accessible from cron

```
sudo chmod go+x /etc/letsencrypt/archive  
sudo chmod go+x /etc/letsencrypt/live
```

Make a script file

```
sudo nano /usr/bin/tsrefreshcerts.sh
```

.... containing the following commands

```
/opt/letsencrypt/letsencrypt-auto renew  
cd /etc/letsencrypt/live/letsencrypt.tempusserva.dk  
openssl pkcs12 -export -out bundle.pfx -inkey privkey.pem -in cert.pem -certfile chain.pem -password  
pass:TempusServaSecret  
/usr/bin/tstomcatrestart.sh
```

Now add a job to the crontab

```
sudo crontab -l > tempcron  
echo "0 0 1 * * /usr/bin/tsrefreshcerts.sh" >> tempcron  
sudo crontab tempcron  
rm tempcron
```

Problems with Amazon Linux?

In case the autorenewal process fails try updating the dependencies and pip

```
sudo /opt/eff.org/certbot/venv/bin/pip2 install cryptography zope interface  
sudo /opt/eff.org/certbot/venv/bin/pip2 install --upgrade pip
```

```
sudo rsync -avz /opt/eff.org/certbot/venv/lib64/python2.7/dist-packages/  
/opt/eff.org/certbot/venv/lib/python2.7/dist-packages/
```

Still got problems with Amazon Linux?

In case certbot cant find the root folder try and run it manually

```
sudo /opt/letsencrypt/letsencrypt-auto certonly
```

Choose the following values when prompted

```
2: Place files in webroot directory (webroot)  
<domain>  
2: Renew & replace the cert (may be subject to CA rate limits)  
/usr/share/tomcat7/webapps/ROOT/
```

Need manual crontab install?

Steps

- sudo crontab -e
- press INSERT
- move to bottom of file
- paste this

```
0 0 1 * * /usr/bin/tsrefreshcerts.sh
```

- press ESC
- press :wq

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