Certbot

Certbot

EPEL

```
# yum install certbot python-certbot-apache
```

SSL/TLS

Let's Encrypt

```
# certbot certonly --webroot -w /var/www/html -d hoge.jp
```

```
Saving debug log to /var/log/letsencrypt/letsencrypt.log
Plugins selected: Authenticator webroot, Installer None
Enter email address (used for urgent renewal and security notices) (Enter 'c' to
cancel):
```

```
Starting new HTTPS connection (1): acme-v01.api.letsencrypt.org

-------------------------------------------------------------------------------
Please read the Terms of Service at
https://letsencrypt.org/documents/LE-SA-v1.2-November-15-2017.pdf. You must
agree in order to register with the ACME server at
https://acme-v01.api.letsencrypt.org/directory
-------------------------------------------------------------------------------
(A)gree/(C)ancel: A
```

Electronic Frontier Foundation

N

```
-------------------------------------------------------------------------------
Would you be willing to share your email address with the Electronic Frontier
Foundation, a founding partner of the Let's Encrypt project and the non-profit
organization that develops Certbot? We'd like to send you email about EFF and
our work to encrypt the web, protect its users and defend digital rights.
-------------------------------------------------------------------------------
(Y)es/(N)o: N
```

```
Obtaining a new certificate
Performing the following challenges:
http-01 challenge for hoge.jp
Using the webroot path /var/www/html for all unmatched domains.
Waiting for verification...
Cleaning up challenges
```

```
IMPORTANT NOTES:
 - Congratulations! Your certificate and chain have been saved at:
   /etc/letsencrypt/live/hoge.jp/fullchain.pem
   Your key file has been saved at:
   /etc/letsencrypt/live/hoge.jp/privkey.pem
   Your cert will expire on 2018-04-13. To obtain a new or tweaked
   version of this certificate in the future, simply run certbot
   again. To non-interactively renew *all* of your certificates, run
   "certbot renew"
 - Your account credentials have been saved in your Certbot
   configuration directory at /etc/letsencrypt. You should make a
   secure backup of this folder now. This configuration directory will
   also contain certificates and private keys obtained by Certbot so
   making regular backups of this folder is ideal.
 - If you like Certbot, please consider supporting our work by:

   Donating to ISRG / Let's Encrypt:   https://letsencrypt.org/donate
   Donating to EFF:                    https://eff.org/donate-le
```

Apache

SSL

```
vim /etc/httpd/conf.d/ssl.conf
```

```
SSLCertificateFile /etc/letsencrypt/live/[               ]/cert.pem
SSLCertificateKeyFile /etc/letsencrypt/live/[              ]/privkey.pem
SSLCertificateChainFile /etc/letsencrypt/live/[               ]/chain.pem
```

apache

```
systemctl restart httpd
```

```
firewall-cmd --add-service=https --zone=public --permanent
firewall-cmd --reload
```

```
certbot renew
```

3   cron

```
certbot renew --post-hook "service httpd restart"
```

Apache   Apache

```
crontab -e
00 03 1 * * certbot renew --post-hook "service httpd restart"
```