

Get Certificates for Webserver

Use letsencrypt

https ssl install

Instruction from <https://certbot.eff.org/lets-encrypt/centosrhel7-apache>

Once installed, **add** certificate with: `sudo certbot --apache`

Renew certificates: `sudo certbot renew`

crontab (auto renew) `sudo crontab -e`

#	Minute	Hour	Day of Month	Month	Day of Week	Command
#	(0-59)	(0-23)	(1-31)	(1-12 or Jan-Dec)	(0-6 or Sun-Sat)	
1	7	*	*	1		/usr/bin/certbot renew --quiet

Ubuntu

DNS

A Record: @ 12.13.14.15

CNAME Record: www domain.com

vhost

Rewrite Engine added by certbot

```
<VirtualHost>
ServerName domain.com
ServerAlias www.domain.com
DocumentRoot /var/www/domain
ErrorLog ${APACHE_LOG_DIR}/error.log
```

```
CustomLog ${APACHE_LOG_DIR}/access.log combined
RewriteEngine on
RewriteCond %{SERVER_NAME} =www.domain.com [OR]
RewriteCond %{SERVER_NAME} =domain.com
RewriteRule ^ https://%{SERVER_NAME}%{REQUEST_URI} [END,NE,R=permanent]
</VirtualHost>
```

certbot

Eén domein heeft meerdere sub-domeinen: meldt ze in één keer aan.

Komt er één bij dan de complete regel opnieuw invoeren.

```
sudo certbot --apache -d domain.com -d www.domain.com
```

certbot - other

```
// delete
sudo certbot delete

//list
sudo certbot certificates
```

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