**root@NextCloud-server:~# sudo certbot --apache**

Saving debug log to /var/log/letsencrypt/letsencrypt.log

Plugins selected: Authenticator apache, Installer apache

Enter email address (used for urgent renewal and security notices) (Enter 'c' to

cancel): 153111fe@stu.teikyo-u.ac.jp

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

-------------------------------------------------------------------------------

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 our work

encrypting the web, EFF news, campaigns, and ways to support digital freedom.

-------------------------------------------------------------------------------

(Y)es/(N)o: Y

Starting new HTTPS connection (1): supporters.eff.org

No names were found in your configuration files. Please enter in your domain

name(s) (comma and/or space separated) (Enter 'c' to cancel): morilab.ics.teikyo-u.ac.jp

Obtaining a new certificate

Performing the following challenges:

http-01 challenge for morilab.ics.teikyo-u.ac.jp

Waiting for verification...

Cleaning up challenges

We were unable to find a vhost with a ServerName or Address of morilab.ics.teikyo-u.ac.jp.

Which virtual host would you like to choose?

(note: conf files with multiple vhosts are not yet supported)

-------------------------------------------------------------------------------

1: 000-default.conf | | | Enabled

2: nextcloud.conf | Multiple Names | | Enabled

-------------------------------------------------------------------------------

Select the appropriate number [1-2] then [enter] (press 'c' to cancel): 2

Created an SSL vhost at /etc/apache2/sites-available/nextcloud-le-ssl.conf

Enabled Apache socache\_shmcb module

Enabled Apache ssl module

Deploying Certificate to VirtualHost /etc/apache2/sites-available/nextcloud-le-ssl.conf

Enabling available site: /etc/apache2/sites-available/nextcloud-le-ssl.conf

Please choose whether or not to redirect HTTP traffic to HTTPS, removing HTTP access.

-------------------------------------------------------------------------------

1: No redirect - Make no further changes to the webserver configuration.

2: Redirect - Make all requests redirect to secure HTTPS access. Choose this for

new sites, or if you're confident your site works on HTTPS. You can undo this

change by editing your web server's configuration.

-------------------------------------------------------------------------------

Select the appropriate number [1-2] then [enter] (press 'c' to cancel): 2

Redirecting vhost in /etc/apache2/sites-enabled/nextcloud.conf to ssl vhost in /etc/apache2/sites-available/nextcloud-le-ssl.conf

-------------------------------------------------------------------------------

Congratulations! You have successfully enabled

https://morilab.ics.teikyo-u.ac.jp

You should test your configuration at:

https://www.ssllabs.com/ssltest/analyze.html?d=morilab.ics.teikyo-u.ac.jp

-------------------------------------------------------------------------------

IMPORTANT NOTES:

- Congratulations! Your certificate and chain have been saved at:

/etc/letsencrypt/live/morilab.ics.teikyo-u.ac.jp/fullchain.pem

Your key file has been saved at:

/etc/letsencrypt/live/morilab.ics.teikyo-u.ac.jp/privkey.pem

Your cert will expire on 2018-09-26. To obtain a new or tweaked

version of this certificate in the future, simply run certbot again

with the "certonly" option. 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

**root@NextCloud-server:~# sudo certbot renew --dry-run**

Saving debug log to /var/log/letsencrypt/letsencrypt.log

-------------------------------------------------------------------------------

Processing /etc/letsencrypt/renewal/morilab.ics.teikyo-u.ac.jp.conf

-------------------------------------------------------------------------------

Cert not due for renewal, but simulating renewal for dry run

Plugins selected: Authenticator apache, Installer apache

Starting new HTTPS connection (1): acme-staging-v02.api.letsencrypt.org

Renewing an existing certificate

Performing the following challenges:

http-01 challenge for morilab.ics.teikyo-u.ac.jp

Waiting for verification...

Cleaning up challenges

-------------------------------------------------------------------------------

new certificate deployed with reload of apache server; fullchain is

/etc/letsencrypt/live/morilab.ics.teikyo-u.ac.jp/fullchain.pem

-------------------------------------------------------------------------------

-------------------------------------------------------------------------------

\*\* DRY RUN: simulating 'certbot renew' close to cert expiry

\*\* (The test certificates below have not been saved.)

Congratulations, all renewals succeeded. The following certs have been renewed:

/etc/letsencrypt/live/morilab.ics.teikyo-u.ac.jp/fullchain.pem (success)

\*\* DRY RUN: simulating 'certbot renew' close to cert expiry

\*\* (The test certificates above have not been saved.)

-------------------------------------------------------------------------------

IMPORTANT NOTES:

- 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.