```
joe@www:/var/www/html$ echo "How to make a site secure"
How to make a site secure
joe@www:/var/www/html$ sudo apt install python3-certbot-apache
```

```
joe@www:/var/www/html$ sudo letsencrypt
```

```
joe@www:/var/www/html$ sudo letsencrypt
Saving debug log to /var/log/letsencrypt/letsencrypt.log
Enter email address (used for urgent renewal and security notices)
 (Enter 'c' to cancel): dixiejoe2020@gmail.com


- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Please read the Terms of Service at
https://letsencrypt.org/documents/LE-SA-v1.3-September-21-2022.pdf. You must
agree in order to register with the ACME server. Do you agree?
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
(Y)es/(N)o: Y


- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Would you be willing, once your first certificate is successfully issued, 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: N
Account registered.

Which names would you like to activate HTTPS for?
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
1: dewey.thegummibear.com
2: huey.thegummibear.com
3: louie.thegummibear.com
4: squishy.thegummibear.com
5: www.thegummibear.com
```
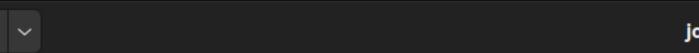
```
2: huey.thegummibear.com
3: louie.thegummibear.com
4: squishy.thegummibear.com
5: www.thegummibear.com
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Select the appropriate numbers separated by commas and/or spaces, or leave input
blank to select all options shown (Enter 'c' to cancel): 1
Requesting a certificate for dewey.thegummibear.com

Successfully received certificate.
Certificate is saved at: /etc/letsencrypt/live/dewey.thegummibear.com/fullchain.pem
Key is saved at:        /etc/letsencrypt/live/dewey.thegummibear.com/privkey.pem
This certificate expires on 2023-10-23.
These files will be updated when the certificate renews.
Certbot has set up a scheduled task to automatically renew this certificate in the ba
ckground.

Deploying certificate
Successfully deployed certificate for dewey.thegummibear.com to /etc/apache2/sites-av
ailable/dewey.thegummibear.com-le-ssl.conf
Congratulations! You have successfully enabled HTTPS on https://dewey.thegummibear.co
m


- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
joe@www:/var/www/html$
```

```
joe@www:/etc/apache2/sites-enabled$ ls
000-default.conf                   huey.thegummibear.com.conf
dewey.thegummibear.com.conf        louie.thegummibear.com.conf
dewey.thegummibear.com-le-ssl.conf squishy.thegummibear.com.conf
joe@www:/etc/apache2/sites-enabled$ echo "If you look at dewey and the new one create
d, you will see that ALL access is rewritten to force https"
If you look at dewey and the new one created, you will see that ALL access is rewritt
en to force https
joe@www:/etc/apache2/sites-enabled$
```

https://dewey.thegummibear.com

This is my dewey site