

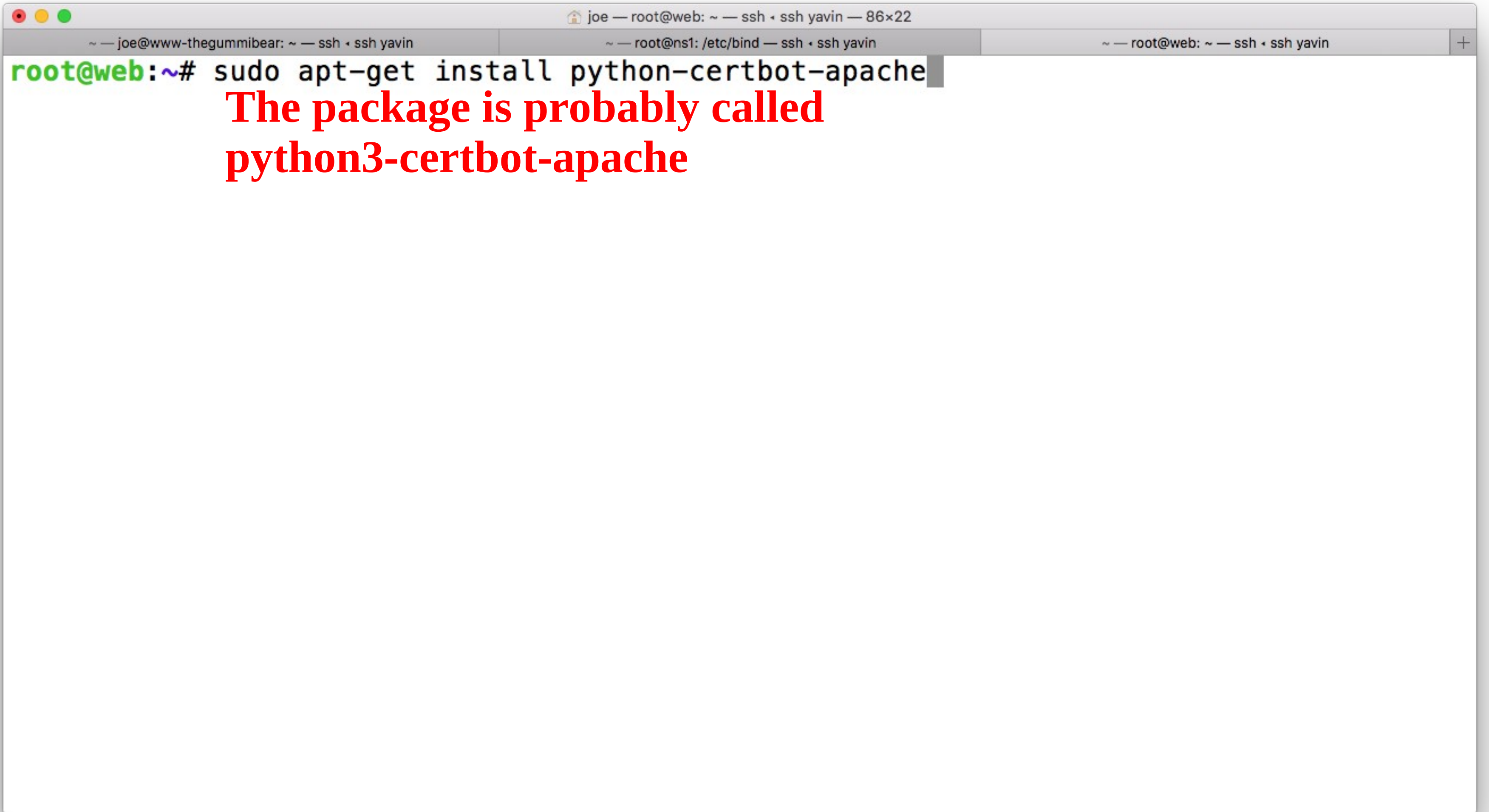
```
[root@web:~# echo "To easily create SSL enabled website"  
To easily create SSL enabled website  
root@web:~# █
```

```
root@web:~# sudo add-apt-repository ppa:certbot/certbot
```

Skip this part

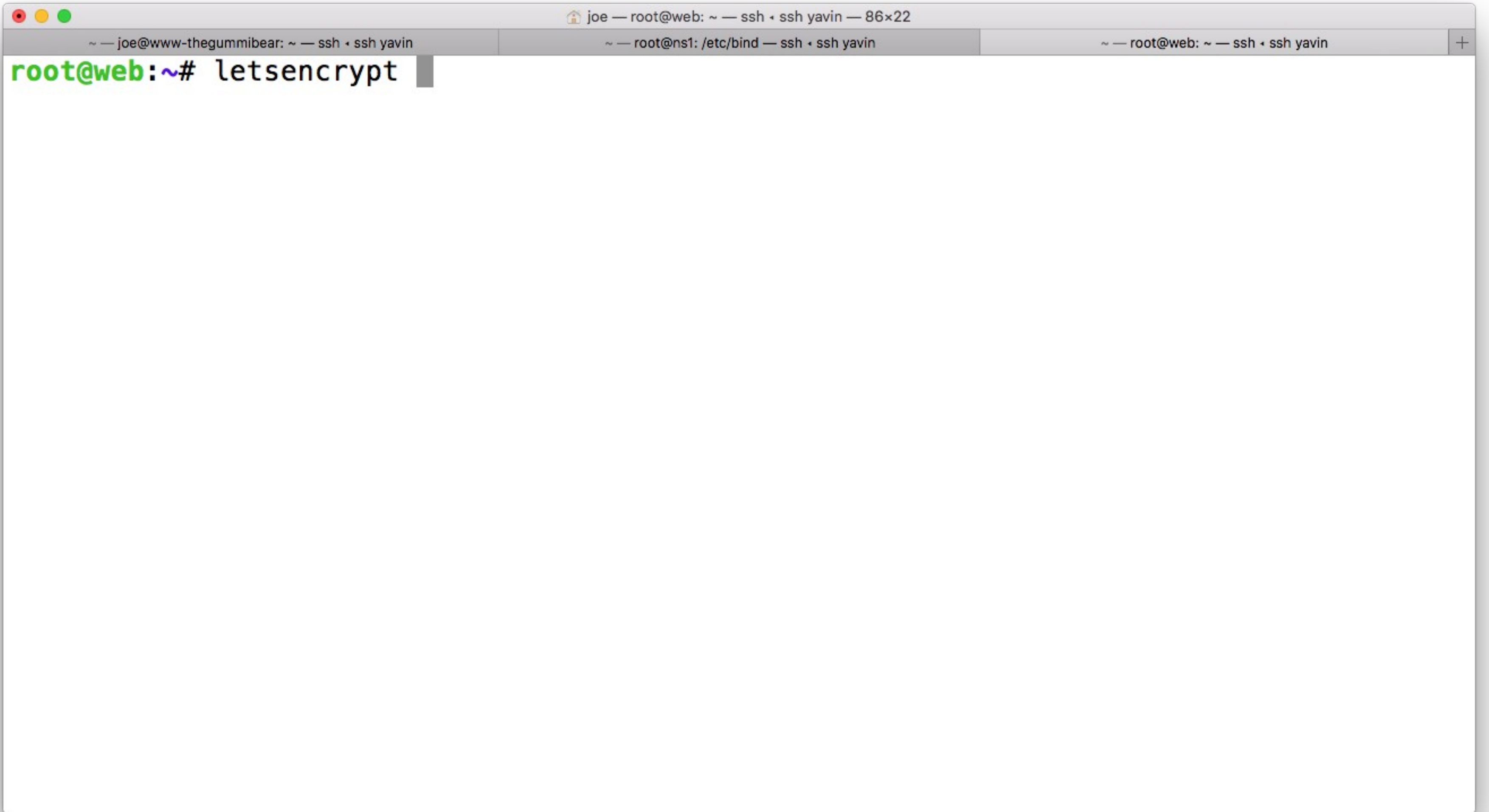
```
joe — root@web: ~ — ssh • ssh yavin — 86x22
~ — joe@www-thegummibear: ~ — ssh • ssh yavin
~ — root@ns1: /etc/bind — ssh • ssh yavin
~ — root@web: ~ — ssh • ssh yavin
[ root@web: ~# sudo add-apt-repository ppa:certbot/certbot^C
root@web: ~# sudo apt-get update
```

Skip this part too



```
root@web:~# sudo apt-get install python-certbot-apache
```

**The package is probably called
python3-certbot-apache**



joe — root@web: ~ — ssh · ssh yavin — 86x22

~ — joe@www-thegummibear: ~ — ssh · ssh yavin

~ — root@ns1: /etc/bind — ssh · ssh yavin

~ — root@web: ~ — ssh · ssh yavin



root@web:~# letsencrypt

```
root@web:/etc/letsencrypt# letsencrypt
```

```
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): joe@cs.dixie.edu
```

```
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: █
```

```
root@web: /etc/letsencrypt# letsencrypt
```

```
Saving debug log to /var/log/letsencrypt/letsencrypt.log
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Plugins selected: Authenticator apache, Installer apache
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-----
```

```
(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 EFF and  
our work to encrypt the web, protect its users and defend digital rights.  
-----
```

```
(Y)es/(N)o: N
```

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 EFF and our work to encrypt the web, protect its users and defend digital rights.

[(Y)es/(N)o: N

Which names would you like to activate HTTPS for?

- 1: ipv6.mojojojo.ml
 - 2: web.mojojojo.ml
 - 3: www.mojojojo.ml
 - 4: fajita.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): 3


```
joe — root@web: /etc/letsencrypt — ssh • ssh yavin — 86x22
~ — joe@www-thegummibear: ~ — ssh • ssh yavin
~ — root@ns1: /etc/bind — ssh • ssh yavin
~ — root@web: /etc/letsencrypt — ssh • ssh yavin +

[blank to select all options shown (Enter 'c' to cancel): 3
Obtaining a new certificate
Performing the following challenges:
http-01 challenge for www.mojojojo.ml
Enabled Apache rewrite module
Waiting for verification...
Cleaning up challenges
Created an SSL vhost at /etc/apache2/sites-available/www.mojojojo.ml-le-ssl.conf
Enabled Apache socache_shmcb module
Enabled Apache ssl module
Deploying Certificate to VirtualHost /etc/apache2/sites-available/www.mojojojo.ml-le-ssl.conf
Enabling available site: /etc/apache2/sites-available/www.mojojojo.ml-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): █
```

```
joe — root@web: /etc/letsencrypt — ssh • ssh yavin — 86x22
~ — joe@www-thegummibear: ~ — ssh • ssh yavin
~ — root@ns1: /etc/bind — ssh • ssh yavin
~ — root@web: /etc/letsencrypt — ssh • ssh yavin +

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Obtaining a new certificate
Performing the following challenges:
http-01 challenge for www.mojojojo.ml
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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
```

IMPORTANT NOTES:

- Congratulations! Your certificate and chain have been saved at:
/etc/letsencrypt/live/www.mojojojo.ml/fullchain.pem
Your key file has been saved at:
/etc/letsencrypt/live/www.mojojojo.ml/privkey.pem
Your cert will expire on 2018-06-25. 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@web: /etc/letsencrypt# █

Yay this is the www.mojo index page

```
[root@web:/etc/letsencrypt# echo "Yay, it is secure"
```

```
Yay, it is secure
```

```
root@web:/etc/letsencrypt# █
```