

How to Host Multiple Mail Domains in iRedMail Full Featured Linux Mail Server

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Date: 3rd May 2021 Monday

Type of Publication: PDF Manual

Document Version: 20210503.01

*****IMPORTANT NOTICE*** Please note that Turritopsis Dohrnii Teo En Ming's guide is based on Xiao Guoan's guide at [linuxbabe.com](https://www.linuxbabe.com).**

Reference Guide Used by Teo En Ming: How to Host Multiple Mail Domains in iRedMail with Nginx

Link: <https://www.linuxbabe.com/mail-server/set-up-iredmail-multiple-domains-nginx>

Original Author: Xiao Guoan

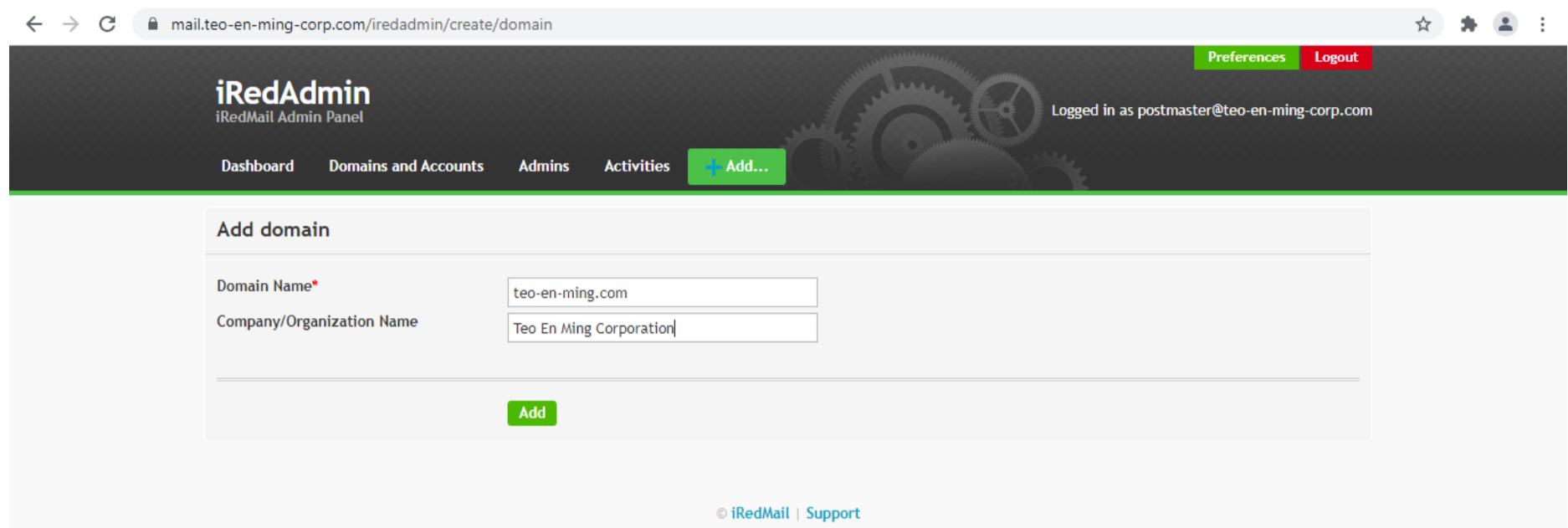
The following is a list of open-source software that will be automatically installed and configured by iRedMail.

- Postfix SMTP server
- Dovecot IMAP server
- Nginx web server to serve the admin panel and webmail
- OpenLDAP, MySQL/MariaDB, or PostgreSQL for storing user information
- Amavised-new for DKIM signing and verification
- SpamAssassin for anti-spam
- ClamAV for anti-virus
- Roundcube webmail
- SOGo groupware, providing webmail, calendar (CalDAV), contacts (CardDAV), tasks and ActiveSync services.
- Fail2ban for protecting SSH
- mlmmj mailing list manager
- Netdata server monitoring
- iRedAPD Postfix policy server for greylisting

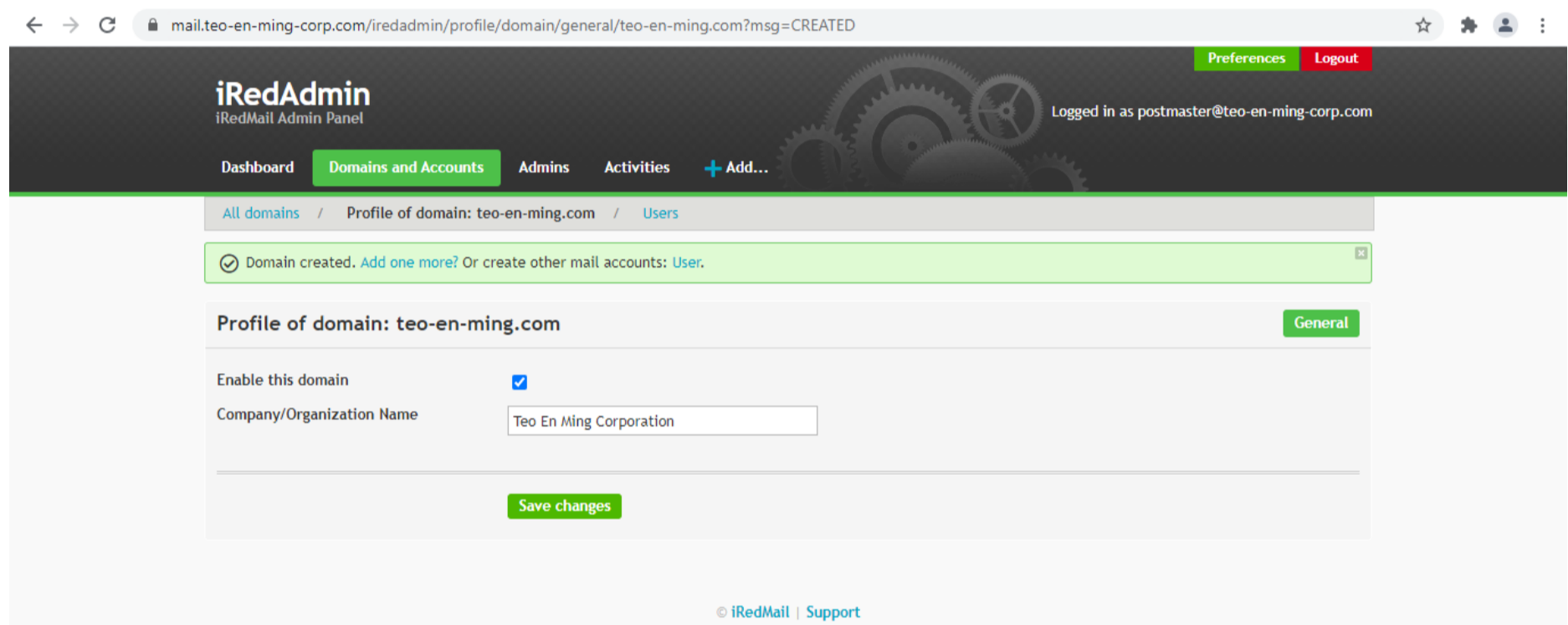
In addition, you need to add MX, A and TXT records to your ISC BIND DNS domain name server.

Step 1: Adding Additional Domains in iRedMail Admin Panel

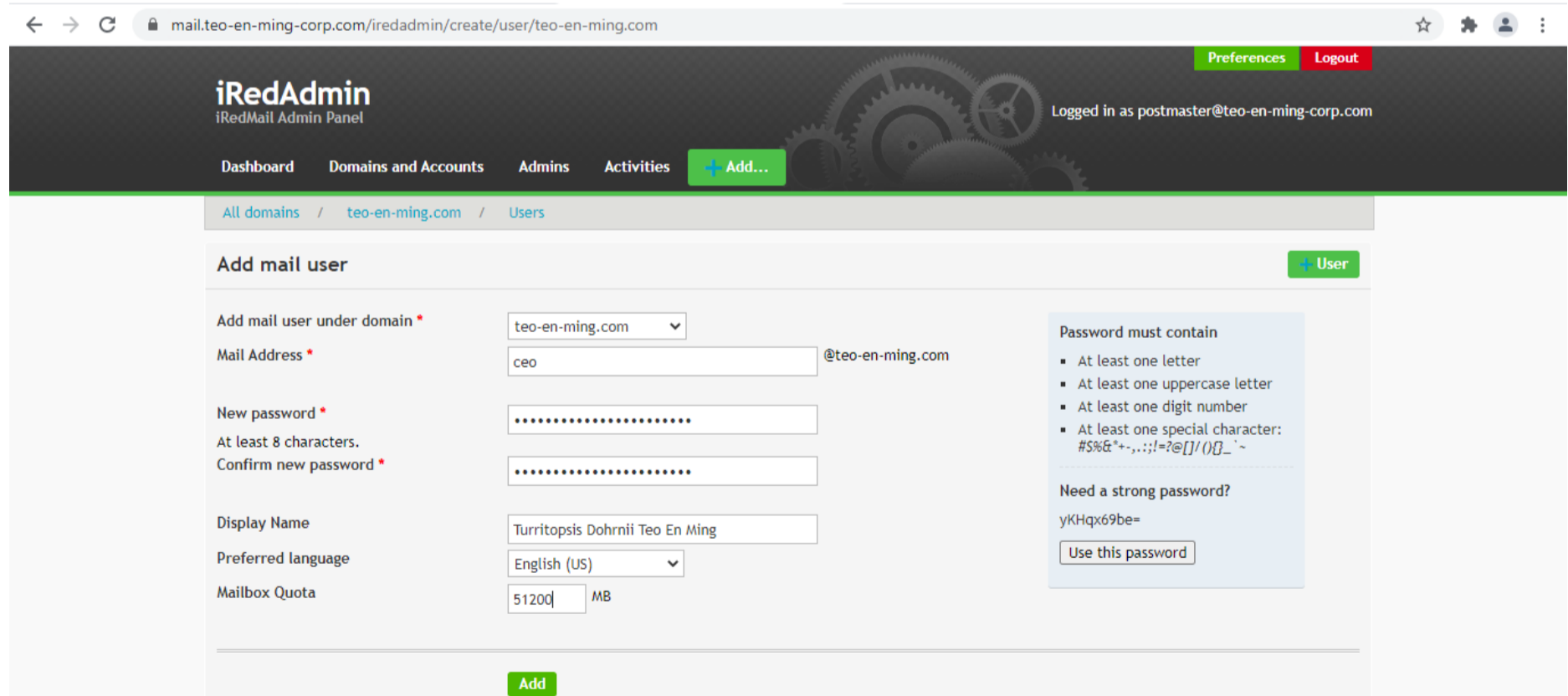
Go to <https://mail.teo-en-ming-corp.com/iredadmin>



The screenshot shows the 'Add domain' page in the iRedAdmin interface. The browser address bar displays 'mail.teo-en-ming-corp.com/iredadmin/create/domain'. The page header includes the iRedAdmin logo, navigation tabs (Dashboard, Domains and Accounts, Admins, Activities, Add...), and user information (Logged in as postmaster@teo-en-ming-corp.com). The main content area contains a form with the following fields: 'Domain Name*' (value: teo-en-ming.com), 'Company/Organization Name' (value: Teo En Ming Corporation), and an 'Add' button. A footer link for 'iRedMail | Support' is visible.



The screenshot shows the 'Profile of domain' page for 'teo-en-ming.com'. The browser address bar displays 'mail.teo-en-ming-corp.com/iredadmin/profile/domain/general/teo-en-ming.com?msg=CREATED'. A green notification banner at the top states 'Domain created. Add one more? Or create other mail accounts: User.' The page header is identical to the previous screenshot. The main content area shows the 'Profile of domain: teo-en-ming.com' with a 'General' tab. The form includes: 'Enable this domain' (checked), 'Company/Organization Name' (value: Teo En Ming Corporation), and a 'Save changes' button. A footer link for 'iRedMail | Support' is visible.



The screenshot shows the 'Add mail user' page in the iRedAdmin interface. The browser address bar displays 'mail.teo-en-ming-corp.com/iredadmin/create/user/teo-en-ming.com'. The page header is identical to the previous screenshots. The main content area contains a form for adding a mail user under the domain 'teo-en-ming.com'. The form fields are: 'Mail Address*' (value: ceo@teo-en-ming.com), 'New password*' (masked), 'Confirm new password*' (masked), 'Display Name' (value: Turritopsis Dohrnii Teo En Ming), 'Preferred language' (value: English (US)), and 'Mailbox Quota' (value: 51200 MB). A 'Password must contain' box lists requirements: at least one letter, one uppercase letter, one digit number, and one special character. A 'Need a strong password?' box shows a generated password 'yKHqx69be=' and a 'Use this password' button. An 'Add' button is at the bottom.

mail.teo-en-ming-corp.com/iredadmin/profile/user/general/ceo@teo-en-ming.com?msg=CREATED

iRedAdmin
iRedMail Admin Panel

Logged in as postmaster@teo-en-ming-corp.com

Dashboard Domains and Accounts Admins Activities + Add...

All domains / teo-en-ming.com / Users / Profile of user: ceo@teo-en-ming.com

✔ User created. Add one more?

Profile of user: ceo@teo-en-ming.com General Password

Enable this account

Display Name

Mailbox Quota MB (Mailbox is empty.)

Preferred language

Time zone

User/Employee ID

Save changes

Step 2: Creating MX, A and SPF record for the new mail domain

dns.godaddy.com/teo-en-ming.com/nameservers

GoDaddy | Domain Manager

Domains Buy & Sell DNS Settings Help

My Domains

DNS Management

teo-en-ming.com

Choose your nameservers[Ⓜ]

I'll use GoDaddy nameservers (recommended)

I'll use my own nameservers

Save Cancel

Type *

Host *

Points to *

Priority *

TTL *

Save Cancel

Type * **Host *** **Points to ***

TTL *

[Save](#) [Cancel](#)







Type * **Host *** **TXT Value ***

TTL *

[Save](#) [Cancel](#)

Records

Last updated 3/5/21 10:09 PM

Type	Name	Value	TTL	
A	@	Parked	600 seconds	
CNAME	www	@	1 Hour	
CNAME	_domainconnect	_domainconnect.gd.domaincontrol.com	1 Hour	
NS	@	ns73.domaincontrol.com	1 Hour	
NS	@	ns74.domaincontrol.com	1 Hour	
SOA	@	Primary nameserver: ns73.domaincontrol.co...	1 Hour	
MX	@	mail.teo-en-ming.com (Priority: 0)	1 Hour	
A	mail	194.233.66.226	1 Hour	
TXT	@	v=spf1 mx ~all	1 Hour	

[ADD](#)

Step 3: Setting up DKIM signing for the new domain

```
# nano /etc/amavis/conf.d/50-user
```

Find the following line,

```
dkim_key('teo-en-ming-corp.com', 'dkim', '/var/lib/dkim/teo-en-ming-corp.com.pem');
```

Add another line to specify the location of the private key of the second domain.

```
dkim_key('teo-en-ming.com', 'dkim', '/var/lib/dkim/teo-en-ming.com.pem');
```

In `@dkim_signature_options_bysender_maps` section, add the following line.

```
"teo-en-ming.com" => { d => "teo-en-ming.com", a => 'rsa-sha256', ttl => 10*24*3600 },
```

```
# amavisd-new genrsa /var/lib/dkim/teo-en-ming.com.pem 2048
```

```
# systemctl restart amavis
```

```
# amavisd-new showkeys
```

```
; key#2 2048 bits, i=dkim, d=teo-en-ming.com, /var/lib/dkim/teo-en-ming.com.pem
dkim._domainkey.teo-en-ming.com. 3600 TXT (
"v=DKIM1; p="
"MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAs8wFFC2/prfEkNM/brNZ4"
"t/BKsHBnEWnHuhIZaFS00bx+TRSDaa5MQ1yBucMjyUrbS4rnbI02AdphJOQIjMJX"
"IXhS3nLPVUJ+rd/JdQB9Ws9HeGGBJUKMSwOCEI0wIB0uYf4V8ZDKPcchi0Fn2+L"
"ffChBxXFMAso3qZdlv1akFgOrVYPRm2SKlcbiNmi2HBK1MLxvtK2aMGRIYo7yCaf"
"JNXK/r/EeNIIgNgtx1PDoMoe1TaaZ1tmzLmPeab6DU5tCOj0SJGeULpczBmY075i"
"5STC7xWnTyM6VORZ64cMLsZQvdcCOxjGV0wU1mtb9FStTY80L5TcMVXDZTESFqDs"
"MwIDAQAB")
```

Type *	Host *	TXT Value *
TXT	dkim._domainkey	v=DKIM1; p= MIIBIjANBgkqh
TTL *		
1 Hour		
		Save Cancel

```
# dig TXT dkim._domainkey.teo-en-ming.com
```

```
; <<>> DiG 9.11.3-1ubuntu1.14-Ubuntu <<>> TXT dkim._domainkey.teo-en-ming.com
```

```
;; global options: +cmd
```

```
;; Got answer:
```

```
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 7720
```

```
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1
```

```
;; OPT PSEUDOSECTION:
```

```
; EDNS: version: 0, flags:; udp: 65494
```

```
;; QUESTION SECTION:
```

```
;dkim._domainkey.teo-en-ming.com. IN TXT
```

```
;; ANSWER SECTION:
```

```
dkim._domainkey.teo-en-ming.com. 3600 IN TXT "v=DKIM1; p= MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAs8wFFC2/prfEkNM/brNZ4t/BKsHBnEWnHuhIZaFS00bx+TRSDaa5MQ1yBucMjyUrbS4rnbI02AdphJOQIjMJXIXhS3nLPVUJ+rd/JdQB9Ws9HeGGBJUKMSwOCEI0wIB0uYf4V8ZDKPcchi0Fn2+LffChBxXFMAso3qZdlv1akFgOrVYPRm2SKlcbiNmi2HBK1MLxvtK" "2aMGRIYo7yCafJNXK/r/EeNIIgNgtx1PDoMoe1TaaZ1tmzLmPeab6DU5tCOj0SJGeULpczBmY075i5STC7xWnTyM6VORZ64cMLsZQvdcCOxjGV0wU1mtb9FStTY80L5TcMVXDZTESFqDsMwIDAQAB"
```

```
;; Query time: 365 msec
```

```
;; SERVER: 127.0.0.53#53(127.0.0.53)
```

```
;; WHEN: Mon May 03 22:23:49 +08 2021
```

```
;; MSG SIZE rcvd: 478
```

```
# amavisd-new testkeys
```

```
TESTING#1 teo-en-ming-corp.com: dkim._domainkey.teo-en-ming-corp.com => pass
```

```
TESTING#2 teo-en-ming.com: dkim._domainkey.teo-en-ming.com => pass
```

Step4: Setting Up DMARC Record For the New Domain

v=DMARC1; p=none; pct=100; rua=mailto:dmarc@teo-en-ming.com

Type *	Host *	TXT Value *
<input type="text" value="TXT"/>	<input type="text" value="_dmarc"/>	<input type="text" value="v=DMARC1; p=none; pct=100"/>
TTL *		
<input type="text" value="1 Hour"/>		
		<input type="button" value="Save"/> <input type="button" value="Cancel"/>

Step 5: Setting up RoundCube, Postfix and Dovecot for Multiple Domains

```
# cd /etc/nginx/
```

```
# touch sites-enabled/mail.teo-en-ming.com.conf
```

```
# cat sites-enabled/00-default.conf | sudo tee -a sites-enabled/mail.teo-en-ming.com.conf
```

```
# cat sites-enabled/00-default-ssl.conf | sudo tee -a sites-enabled/mail.teo-en-ming.com.conf
```

```
# nano sites-enabled/mail.teo-en-ming.com.conf
```

Find the following line.

```
server_name _;
```

We need to change the server_name to mail.domain2.com, because later we need to use Certbot to generate a new SSL certificate.

```
server_name mail.teo-en-ming.com;
```

There are 2 instances of server_name, you need to change both of them. Save and close the file.

```
# nginx -t
```

```
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
```

```
# systemctl reload nginx
```

```
# certbot certonly --webroot --agree-tos -d mail.teo-en-ming-corp.com,mail.teo-en-ming.com --cert-name mail.teo-en-ming-corp.com --email ceo@teo-en-ming-corp.com -w /var/www/html
```

```
Saving debug log to /var/log/letsencrypt/letsencrypt.log
Plugins selected: Authenticator webroot, Installer None
```

```
-----
You are updating certificate mail.teo-en-ming-corp.com to include new domain(s):
+ mail.teo-en-ming.com
```

```
You are also removing previously included domain(s):
(None)
```

```
Did you intend to make this change?
```

```
-----
(U)pdate cert/(C)ancel: U
```

```
Renewing an existing certificate
Performing the following challenges:
http-01 challenge for mail.teo-en-ming.com
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/mail.teo-en-ming-corp.com/fullchain.pem
Your key file has been saved at:
/etc/letsencrypt/live/mail.teo-en-ming-corp.com/privkey.pem
Your cert will expire on 2021-08-01. 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"
- 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>








systemctl reload nginx

systemctl reload postfix dovecot

You can now go to <https://mail.teo-en-ming.com/mail>

Records

Last updated 3/5/21 10:27 PM

Type	Name	Value	TTL	
A	@	Parked	600 seconds	
CNAME	www	@	1 Hour	
CNAME	_domainconnect	_domainconnect.gd.domaincontrol.com	1 Hour	
NS	@	ns73.domaincontrol.com	1 Hour	
NS	@	ns74.domaincontrol.com	1 Hour	
SOA	@	Primary nameserver: ns73.domaincontrol.co...	1 Hour	
MX	@	mail.teo-en-ming.com (Priority: 0)	1 Hour	
A	mail	194.233.66.226	1 Hour	
TXT	@	v=spf1 mx ~all	1 Hour	
TXT	dkim._domainkey	v=DKIM1; p= MIIBljANBgkqhkiG9w0BAQEFA...	1 Hour	
TXT	_dmarc	v=DMARC1; p=none; pct=100; rua=mailto:dm...	1 Hour	