

acme.sh 获取 Let's encrypt 证书

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原文链接: <https://ld246.com/article/1558574705062>

来源网站: [链滴](#)

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

Let's Encrypt是一款永久免费的SSL通配符证书，这篇文章介绍如何使用acme.sh来获取它

acme.sh项目地址: [acme.sh](https://github.com/acmesh-official/acme.sh)

官方中文文档地址: [acme.sh/wiki](https://github.com/acmesh-official/acme.sh/wiki)

DNS解析验证

获取证书，需要验证站点确实是归本人所有，常用的验证方式一般是通过DNS解析一条TXT记录来完成

ACME提供两种方式，一种是不指定DNS运营厂商，我们自己去修改txt解析记录即可，另外一种是指CloudFlare，也就是说您的域名DNS解析地址要由CloudFlare提供

经过实际测试，前者获取到的证书在浏览器上会被标识为不安全，而后者却会被标识为安全

不指定DNS运营厂商

首先输入以下命令获取txt记录值：

```
~/acme.sh/acme.sh --issue -d liumapp.com --dns --yes-I-know-dns-manual-mode-enough-go-ahead-please
```

没出意外，可以获取以下结果

```
[Wed May 22 16:28:54 CST 2019] Creating domain key
[Wed May 22 16:28:54 CST 2019] The domain key is here: /root/.acme.sh/liumapp.com/liumapp.com.key
[Wed May 22 16:28:54 CST 2019] Single domain='liumapp.com'
[Wed May 22 16:28:54 CST 2019] Getting domain auth token for each domain
[Wed May 22 16:28:56 CST 2019] Getting webroot for domain='liumapp.com'
[Wed May 22 16:28:56 CST 2019] Add the following TXT record:
[Wed May 22 16:28:56 CST 2019] Domain: '_acme-challenge.liumapp.com'
[Wed May 22 16:28:56 CST 2019] TXT value: 'tzh7--4EldLpZUJISAkxF6sZ63q7lxJdvnE2a-8lGF4'
[Wed May 22 16:28:56 CST 2019] Please be aware that you prepend _acme-challenge. before our domain
[Wed May 22 16:28:56 CST 2019] so the resulting subdomain will be: _acme-challenge.liumapp.com
[Wed May 22 16:28:56 CST 2019] Please add the TXT records to the domains, and re-run with -renew.
[Wed May 22 16:28:56 CST 2019] Please add '--debug' or '--log' to check more details.
[Wed May 22 16:28:56 CST 2019] See: https://github.com/Neilpang/acme.sh/wiki/How-to-debug-acme.sh
```

然后设置自己域名DNS解析记录即可，解析完成后输入下列命令：

```
/root/.acme.sh/acme.sh --renew -d liumapp.com -d www.liumapp.com --yes-I-know-dns-manual-mode-enough-go-ahead-please
```

不出意外就能发现我们的let's encrypt证书申请成功：

```
[Wed May 22 19:35:03 CST 2019] Renew: 'liumapp.com'
[Wed May 22 19:35:03 CST 2019] Single domain='liumapp.com'
[Wed May 22 19:35:03 CST 2019] Getting domain auth token for each domain
```

```
[Wed May 22 19:35:03 CST 2019] Verifying: liumapp.com
[Wed May 22 19:35:07 CST 2019] Success
[Wed May 22 19:35:07 CST 2019] Verify finished, start to sign.
[Wed May 22 19:35:08 CST 2019] Lets finalize the order, Le_OrderFinalize: https://acme-v02.ap
.letsencrypt.org/acme/finalize/57574781/464831689
[Wed May 22 19:35:10 CST 2019] Download cert, Le_LinkCert: https://acme-v02.api.letsencrypt
org/acme/cert/0356fc3fb0ba8c23ad634af914a823e9fa37
[Wed May 22 19:35:10 CST 2019] Cert success.
...
[Wed May 22 19:35:10 CST 2019] Your cert is in /root/.acme.sh/liumapp.com/liumapp.com.ce
[Wed May 22 19:35:10 CST 2019] Your cert key is in /root/.acme.sh/liumapp.com/liumapp.c
m.key
[Wed May 22 19:35:10 CST 2019] The intermediate CA cert is in /root/.acme.sh/liumapp.com/
a.cer
[Wed May 22 19:35:10 CST 2019] And the full chain certs is there: /root/.acme.sh/liumapp.co
/fullchain.cer
```

指定cloudflare

首先请去cloudflare官网: <https://dash.cloudflare.com>注册一个账号

然后在命令行中输入以下命令

```
export CF_Email="liumapp.com@gmail.com"
export CF_Key="123456"
/root/.acme.sh/acme.sh --issue --dns dns_cf -d liumapp.com -d www.liumapp.com
```

Email跟Key的信息在注册成功后可以获取到

提示成功后即可获取到证书