

申请免费的 SSL 证书

申请免费的 SSL 证书

此段时间通过沃通申请了免费的 SSL 证书, 这两天发现 Chrome 提示证书不安全, Chrome 已经对沃通证书不认证了. 打开网站会出现红色的标志, 很烦的!!

我们通过 <https://www.sslforfree.com/> 来申请免费的 SSL 的证书, 并且各大浏览器都认证.



打开网站

sslforfree

网址: <https://www.sslforfree.com/>



SSL For Free

Free SSL Certificates in Minutes



[https://](#) enter your website to secure

Create Free SSL Certificate

Advanced Options



100% Free Forever

Never pay for SSL again. Thanks to **Letsencrypt** the first non-profit CA.



Widely Trusted

Our free SSL certificates are trusted in 99.9% of all major browsers.




Enjoy SSL Benefits

- Protect user data & gain trust
- Improve Search Engine Ranking
- Prevent forms of website hacking

输入自己的域名, 点击 [Create Free SSL Certificate](#)

认证域名

SSL FOR FREE

CertificatesLogoutNeed Help?

Free SSL Certificate Validation for "itjh.net, www.itjh.net"

(Add / Edit Domains | Regenerate Account)

Verify that you own the domain. This prevents other people from getting an *SSL certificate* for your domain. By continuing you agree to the [Lets Encrypt service agreement](#). You may need to whitelist 66.133.109.36 if your website is behind a firewall. If you have your own CSR use manual verification and input it after generating domain verification files. If you use IIS on Windows you may have to do [additional steps](#).

Automatic FTP Verification
Enter FTP information to automatically verify the domain

Manual Verification
Upload verification files manually to your domain to verify ownership.

Manually Verify Domain

If you do not have your FTP information then follow the following steps to verify domain ownership manually.

1. Get domain verification files by clicking the button below
2. Upload domain verification files to domain ([Need help?](#))
3. Download your **free ssl certificate**

Manually Verify Domain

选择手动认证. 点击 Verify Domain

If you do not have your FTP information then follow the following

1. Get domain verification files by clicking on the link
2. Upload domain verification files to your FTP
3. Download your **free ssl certificate**

Manually Verify Domain

Upload Verification Files

1. Download the following verification files by clicking on each link
 1. [Download File #1](#)
 2. [Download File #2](#)

按照提示下载两个文件, 放到你的网站的目录下, 然后点击 [Download SSL Certificate](#).

下载证书



SSL FOR FREE

Certi

You can download the files by clicking downlo
expire after 90 days so be sure to re

Domain added to you

Certificate:

-----BEGIN CERTIFICATE-----

MIIFAjCCA+qgAwIBAgISA7yqA...
MEoxC...
ExpMZ...
NzAyMDEwMjMwMD...

```
X4Po1QYz+3dszkDqMp4fkIxBwXRsw10KXzPMTZ+sOPAveyxindmjKW8IGy+Qs  
PfZ+G6Z6h7mjem0Y+iWlkYcV4PIWL1iwBi8saCbGS5jN2p8M+X+Q7UNKEkROl  
KOqkqm57TH2H3eDJAKSnh6/DNFu0Qg==  
-----END CERTIFICATE-----
```

[Download](#)

Installing your SSL certificate

The easiest way to install the SSL certificate is to contact your hosting provider.

Support

If you find this service useful please consider supporting it.

配置 Nginx

下载下来的证书有三个文件.

```
ca_bundle.crt
```

```
ca_bundle.crt
```

```
private.key
```

Nginx 配置 SSL

```
1ssl on;  
2ssl_certificate /data/itjh_net/ssl/sslforfree/cert_chain.crt;  
3ssl_certificate_key /data/itjh_net/ssl/sslforfree/private.key;
```

ssl_certificate 文件需要合并 ca_bundle.crt + ca_bundle.crt 文件. 执行命令

```
1cat certificate.crt ca_bundle.crt >> cert_chain.crt
```

△合并以后的文件会出现下面的错误

```
nginx: [emerg] PEM_read_bio_X509_AUX("/data/itjh_net/ssl/sslforfree/cert_chain.crt") failed (SSL: error:0906D066:PEM  
1 routines:PEM_read_bio:bad end line)
```

这是因为 cert_chain.crt 文件有问题, 文件中有

```
1-----END CERTIFICATE-----BEGIN CERTIFICATE-----
```

这样是错误的, 需要修改成

```
1-----END CERTIFICATE-----  
2-----BEGIN CERTIFICATE-----
```

然后保存, 重启 Nginx.

```
1service nginx restart
```

验证结果

打开网站 IT 江湖 www.itjh.net.

绿色的小图标又出现了. 好棒