

openssl

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openssl is a tool for
doing ***SSL things***
aka TLS

inspect certificates
create CSRs
sign certificates

It uses the OpenSSL
library (or LibreSSL)

inspect a certificate

```
$ openssl x509 -in  
FILE.crt -noout -text
```

this works for files ending
in .crt or .pem! Try it out:
you probably have certs in
/usr/share/ca-certificates

look at a website's
certificate

```
$ openssl s_client  
-showcerts -connect  
google.com:443
```



please upload
a CSR

certificate
authority

a WHAT?!



to get a SSL cert for your
website, you need to make a
file called a "certificate signing
request"

make a CSR

```
$ openssl req -new  
-sha256 -key FILE.key  
-out FILE.csr
```

you can
make one
with openssl
genrsa



openssl has 10
million subcommands
but these are the
only 3 things I've
ever used it for ♥