

Checking certificates and keys

Checking Using OpenSSL

If you need to check the information within a Certificate, CSR or Private Key, use these commands. You can also check CSRs and check certificates using our online tools.

Check a Certificate Signing Request (CSR)

```
openssl req -text -noout -verify -in CSR.csr
```

Check a private key

```
openssl rsa -in privateKey.key -check
```

Check a certificate

```
openssl x509 -in certificate.crt -text -noout
```

Check a PKCS#12 file (.pfx or .p12)

```
openssl pkcs12 -info -in keyStore.p12
```

Check the fingerprint of a certificate.

Get SHA-1 fingerprint:

```
openssl x509 -noout -in certificate.pem -fingerprint -sha1
```

Get SHA-256 fingerprint:

```
openssl x509 -noout -in certificate.pem -fingerprint -sha256
```

You can check if an SSL certificate matches a Private Key by using the 2 easy commands below.

```
For your SSL certificate: openssl x509 -noout -modulus -in <file>.crt |  
openssl md5
```

```
For your RSA private key: openssl rsa -noout -modulus -in <file>.key |  
openssl md5
```

Revision #2

Created 2026-02-11 12:30:21 UTC by Admin

Updated 2026-02-11 13:43:55 UTC by Admin