

OpenSSL Certificate Commands

OpenSSL Certificates

Requesting

- We can request a new certificate with a new key (there is an option to use an existing key as well if we already had one)

```
openssl req -newkey rsa:2048 -nodes -keyout cwru.key -out cwru.csr
```

- If you cat out cwru.csr, you will see the certificate request. This is what you would send.
- We can also create a self signed cert with the new key:

```
openssl req -newkey rsa:2048 -nodes -keyout cwru.key -x509 -days 365 -out cwru.crt
```

- You can then verify that the cert is indeed valid, which is odd to do this because the cert signed itself:

```
openssl verify -verbose -CAfile cwru.crt cwru.crt
```

Viewing Information in a Cert

- We can view the information in a certificate request

```
openssl req -text -noout -in cwru.csr
```

- We can also view the information in the cert

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