

## Installing CA software

Maak een directory voor de keys en certs

```
592 cd /
593 mkdir CA
594 cd CA
```

Installeer openssl

```
604 yum install openssl
605 cd /usr/src
608 wget https://www.openssl.org/source/openssl-1.0.2-latest.tar.gz
609 ls
610 ls -la
611 rm openssl-1.0.2k.tar.gz
612 tar -zxf openssl-1.0.2-latest.tar.gz
613 cd openssl-1.0.2k/
614 ./config
620 yum install gcc
621 make
623 make test
624 make install
632 yum install openssl-perl
```

Maak CA key en cert

```
638 cd /CA
642 /etc/pki/tls/misc/CA.pl -newca
643 /etc/pki/tls/misc/CA.pl -newreq
```

Geef eventueel passphrase op

Maak een domein key en cert

```
644 /etc/pki/tls/misc/CA.pl -sign
645 ls -la
647 mv newcert.pem cdnas.creavidesign.nl.pem
648 mv cdnas.creavidesign.nl.pem cdnas.creavidesign.nl.crt
649 mv newkey.pem cdnas.creavidesign.nl.key
650 mv newreq.pem cdnas.creavidesign.nl.csr
```

Verwijder passphrase van de key

```
openssl rsa -in cdnas.creavidesign.nl.key -out
cdnas.creavidesign.nl.key2
```

Controleer of de key en cert matchen

```
660 openssl x509 -noout -modulus -in cdnas.creavidesign.nl.crt | openssl
md5
```

```
661 openssl rsa -noout -modulus -in cdnas.creavidesign.nl.key | openssl md5
```

De CA key en cert staan in de onderstaande directory

```
651 ls -la
652 ls -la /etc/pki/CA/private/
653 ls -la /etc/pki/CA/
654 ls -la /etc/pki/CA/newcerts/
655 cat /etc/pki/CA/newcerts/
656 cat /etc/pki/CA/newcerts/A0EA10A3F0DE1B37.pem
657 cat /etc/pki/CA/newcerts/A0EA10A3F0DE1B38
658 cat /etc/pki/CA/newcerts/A0EA10A3F0DE1B38.pem
```

scp de benodigde key(s) en cert(s) naar je werkstation

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