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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