

NAME

nseq - create or examine a netscape certificate sequence

SYNOPSIS

```
openssl nseq [-in filename] [-out filename] [-toseq]
```

DESCRIPTION

The **nseq** command takes a file containing a Netscape certificate sequence and prints out the certificates contained in it or takes a file of certificates and converts it into a Netscape certificate sequence.

COMMAND OPTIONS**-in filename**

This specifies the input filename to read or standard input if this option is not specified.

-out filename

specifies the output filename or standard output by default.

-toseq

normally a Netscape certificate sequence will be input and the output is the certificates contained in it. With the **-toseq** option the situation is reversed: a Netscape certificate sequence is created from a file of certificates.

EXAMPLES

Output the certificates in a Netscape certificate sequence

```
openssl nseq -in nseq.pem -out certs.pem
```

Create a Netscape certificate sequence

```
openssl nseq -in certs.pem -toseq -out nseq.pem
```

NOTES

The **PEM** encoded form uses the same headers and footers as a certificate:

```
-----BEGIN CERTIFICATE-----
```

```
-----END CERTIFICATE-----
```

A Netscape certificate sequence is a Netscape specific form that can be sent to browsers as an alternative to the standard PKCS#7 format when several certificates are sent to the browser: for example during certificate enrollment. It is used by Netscape certificate server for example.

BUGS

This program needs a few more options: like allowing DER or PEM input and output files and allowing multiple certificate files to be used.