

**NAME**

openssl-nseq, nseq – create or examine a Netscape certificate sequence

**SYNOPSIS**

**openssl nseq** [**-help**] [**-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.

**OPTIONS****-help**

Print out a usage message.

**-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 format 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.

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