

NAME

openssl-pkcs7, pkcs7 – PKCS#7 utility

SYNOPSIS

openssl pkcs7 [**-help**] [**-inform PEM|DER**] [**-outform PEM|DER**] [**-in filename**] [**-out filename**]
[**-print_certs**] [**-text**] [**-noout**] [**-engine id**]

DESCRIPTION

The **pkcs7** command processes PKCS#7 files in DER or PEM format.

OPTIONS**-help**

Print out a usage message.

-inform DER|PEM

This specifies the input format. **DER** format is DER encoded PKCS#7 v1.5 structure. **PEM** (the default) is a base64 encoded version of the DER form with header and footer lines.

-outform DER|PEM

This specifies the output format, the options have the same meaning and default as the **-inform** option.

-in filename

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

-out filename

Specifies the output filename to write to or standard output by default.

-print_certs

Prints out any certificates or CRLs contained in the file. They are preceded by their subject and issuer names in one line format.

-text

Prints out certificates details in full rather than just subject and issuer names.

-noout

Don't output the encoded version of the PKCS#7 structure (or certificates is **-print_certs** is set).

-engine id

Specifying an engine (by its unique **id** string) will cause **pkcs7** to attempt to obtain a functional reference to the specified engine, thus initialising it if needed. The engine will then be set as the default for all available algorithms.

EXAMPLES

Convert a PKCS#7 file from PEM to DER:

```
openssl pkcs7 -in file.pem -outform DER -out file.der
```

Output all certificates in a file:

```
openssl pkcs7 -in file.pem -print_certs -out certs.pem
```

NOTES

The PEM PKCS#7 format uses the header and footer lines:

```
-----BEGIN PKCS7-----  
-----END PKCS7-----
```

For compatibility with some CAs it will also accept:

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

RESTRICTIONS

There is no option to print out all the fields of a PKCS#7 file.

This PKCS#7 routines only understand PKCS#7 v 1.5 as specified in RFC2315 they cannot currently parse,

for example, the new CMS as described in RFC2630.

SEE ALSO

crl2pkcs7(1)

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