



Rocky Enterprise Linux 9.2 Manual Pages on command 'openssl-pkcs7.1ssl'

C:\>man openssl-pkcs7.1ssl

PKCS7(1SSL) OpenSSL PKCS7(1SSL)

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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