

**NAME**

openssl-pkcs7 - PKCS#7 command

**SYNOPSIS**

**openssl pkcs7** [-help] [-inform DER|PEM] [-outform DER|PEM] [-in *filename*] [-out *filename*] [-print] [-print\_certs] [-text] [-noout] [-engine *id*] [-provider *name*] [-provider-path *path*] [-propquery *propq*]

**DESCRIPTION**

This command processes PKCS#7 files. Note that it only understands PKCS#7 v 1.5 as specified in IETF RFC 2315. It cannot currently parse CMS as described in IETF RFC 2630.

**OPTIONS****-help**

Print out a usage message.

**-inform DER|PEM, -outform DER|PEM**

The input and formats; the default is **PEM**. See **openssl-format-options(1)** for details.

The data is a PKCS#7 Version 1.5 structure.

**-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**

Print out the full PKCS7 object.

**-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 certificate details in full rather than just subject and issuer names.

**-noout**

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

**-engine *id***

See "Engine Options" in **openssl(1)**. This option is deprecated.

**-provider** *name*

**-provider-path** *path*

**-propquery** *propq*

See "Provider Options" in **openssl(1)**, **provider(7)**, and **property(7)**.

## 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
```

## SEE ALSO

**openssl(1)**, **openssl-crl2pkcs7(1)**

## HISTORY

The **-engine** option was deprecated in OpenSSL 3.0.

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