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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