NAME

openssl−crl2pkcs7, crl2pkcs7 − Create a PKCS#7 structure from a CRL and certificates

SYNOPSIS

openssl crl2pkcs7 [**−help**] [**−inform PEM|DER**] [**−outform PEM|DER**] [**−in filename**] [**−out filename**] [**−certfile filename**] [**−nocrl**]

DESCRIPTION

The **crl2pkcs7** command takes an optional CRL and one or more certificates and converts them into a PKCS#7 degenerate ‘‘certificates only’’ structure.

OPTIONS

−help

Print out a usage message.

−inform DER|PEM

This specifies the CRL input format. **DER** format is DER encoded CRL structure.**PEM** (the default) is a base64 encoded version of the DER form with header and footer lines. The default format is PEM.

−outform DER|PEM

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

−in filename

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

−out filename

Specifies the output filename to write the PKCS#7 structure to or standard output by default.

−certfile filename

Specifies a filename containing one or more certificates in **PEM** format. All certificates in the file will be added to the PKCS#7 structure. This option can be used more than once to read certificates from multiple files.

−nocrl

Normally a CRL is included in the output file. With this option no CRL is included in the output file and a CRL is not read from the input file.

EXAMPLES

Create a PKCS#7 structure from a certificate and CRL:

```
openssl crl2pkcs7 −in crl.pem −certfile cert.pem −out p7.pem
```

Creates a PKCS#7 structure in DER format with no CRL from several different certificates:

```
openssl crl2pkcs7 −nocrl −certfile newcert.pem
       −certfile demoCA/cacert.pem −outform DER −out p7.der
```

NOTES

The output file is a PKCS#7 signed data structure containing no signers and just certificates and an optional CRL.

This utility can be used to send certificates and CAs to Netscape as part of the certificate enrollment process. This involves sending the DER encoded output as MIME type application/x−x509−user−cert.

The **PEM** encoded form with the header and footer lines removed can be used to install user certificates and CAs in MSIE using the Xenroll control.

SEE ALSO

pkcs7 (1)

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