

NAME

openssl-crl, crl – CRL utility

SYNOPSIS

openssl crl [**-help**] [**-inform PEM|DER**] [**-outform PEM|DER**] [**-text**] [**-in filename**] [**-out filename**] [**-nameopt option**] [**-noout**] [**-hash**] [**-issuer**] [**-lastupdate**] [**-nextupdate**] [**-CAfile file**] [**-CApath dir**]

DESCRIPTION

The **crl** command processes CRL 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 CRL 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.

-text

Print out the CRL in text form.

-nameopt option

Option which determines how the subject or issuer names are displayed. See the description of **-nameopt** in **x509** (1).

-noout

Don't output the encoded version of the CRL.

-hash

Output a hash of the issuer name. This can be use to lookup CRLs in a directory by issuer name.

-hash_old

Outputs the "hash" of the CRL issuer name using the older algorithm as used by OpenSSL before version 1.0.0.

-issuer

Output the issuer name.

-lastupdate

Output the lastUpdate field.

-nextupdate

Output the nextUpdate field.

-CAfile file

Verify the signature on a CRL by looking up the issuing certificate in **file**.

-CApath dir

Verify the signature on a CRL by looking up the issuing certificate in **dir**. This directory must be a standard certificate directory; that is a hash of each subject name (using **x509 -hash**) should be linked to each certificate.

NOTES

The PEM CRL format uses the header and footer lines:

```
-----BEGIN X509 CRL-----  
-----END X509 CRL-----
```

EXAMPLES

Convert a CRL file from PEM to DER:

```
openssl crl -in crl.pem -outform DER -out crl.der
```

Output the text form of a DER encoded certificate:

```
openssl crl -in crl.der -inform DER -text -noout
```

BUGS

Ideally it should be possible to create a CRL using appropriate options and files too.

SEE ALSO

crl2pkcs7(1), **ca**(1), **x509**(1)

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