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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