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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'X509\_check\_ca.3ossl'***

***\$ man X509\_check\_ca.3ossl***

X509\_CHECK\_CA(3ossl)          OpenSSL          X509\_CHECK\_CA(3ossl)

#### NAME

X509\_check\_ca - check if given certificate is CA certificate

#### SYNOPSIS

```
#include <openssl/x509v3.h>
```

```
int X509_check_ca(X509 *cert);
```

#### DESCRIPTION

This function checks if given certificate is CA certificate (can be used to sign other certificates). The certificate must be a complete certificate otherwise an error is returned.

#### RETURN VALUES

Function return 0, if it is not CA certificate, 1 if it is proper

X509v3 CA certificate with basicConstraints extension CA:TRUE, 3, if it

is self-signed X509 v1 certificate, 4, if it is certificate with keyUsage extension with bit keyCertSign set, but without basicConstraints, and 5 if it has outdated Netscape Certificate Type extension telling that it is CA certificate.

This function will also return 0 on error.

Actually, any nonzero value means that this certificate could have been used to sign other certificates.

#### SEE ALSO

X509\_verify\_cert(3), X509\_check\_issued(3), X509\_check\_purpose(3)

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