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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'X509_check_ca.3oss1' command

\$ man X509_check_ca.3oss1

X509_CHECK_CA(3oss1) OpenSSL X509_CHECK_CA(3oss1)

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if it is certificate with keyUsage extension with bit keyCertSign set, but without basicConstraints, and 5 if it has outdated Netscape Certificate Type extension telling that it is CA certificate.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