

CMS_ENCRYPTEDDATA_DECRYPT(3openssl) OpenSSL CMS_ENCRYPTEDDATA_DECRYPT(3openssl)

NAME

CMS_EncryptedData_decrypt - Decrypt CMS EncryptedData

SYNOPSIS

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

```
int CMS_EncryptedData_decrypt(CMS_ContentInfo *cms,  
                             const unsigned char *key, size_t keylen,  
                             BIO *dcont, BIO *out, unsigned int flags);
```

DESCRIPTION

CMS_EncryptedData_decrypt() decrypts a *cms* EncryptedData object using the symmetric *key* of size *keylen* bytes. *out* is a BIO to write the content to and *flags* is an optional set of flags. *dcont* is used in the rare case where the encrypted content is detached. It will normally be set to NULL.

The following flags can be passed in the *flags* parameter.

If the **CMS_TEXT** flag is set MIME headers for type "text/plain" are deleted from the content. If the content is not of type "text/plain" then an error is returned.

RETURN VALUES

CMS_EncryptedData_decrypt() returns 0 if an error occurred otherwise it returns 1.

SEE ALSO

ERR_get_error(3), **CMS_EncryptedData_encrypt(3)**

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