NAME

    CMS_data_create_ex, CMS_data_create - Create CMS Data object

SYNOPSIS

    #include <openssl/cms.h>

    CMS_ContentInfo *CMS_data_create_ex(BIO *in, unsigned int flags,
                     OSSL_LIB_CTX *libctx, const char *propq);
    CMS_ContentInfo *CMS_data_create(BIO *in, unsigned int flags);

DESCRIPTION

    CMS_data_create_ex() creates a **CMS_ContentInfo** structure with a type **NID_pkcs7_data**. The data is supplied via the *in* BIO. The library context *libctx* and the property query *propq* are used when retrieving algorithms from providers. The *flags* field supports the **CMS_STREAM** flag. Internally **CMS_final()** is called unless **CMS_STREAM** is specified.

    The **CMS_ContentInfo** structure can be freed using **CMS_ContentInfo_free**(3).

    CMS_data_create() is similar to **CMS_data_create_ex()** but uses default values of NULL for the library context *libctx* and the property query *propq*.

RETURN VALUES

    If the allocation fails, **CMS_data_create_ex()** and **CMS_data_create()** return NULL and set an error code that can be obtained by **ERR_get_error**(3). Otherwise they return a pointer to the newly allocated structure.

SEE ALSO

    ERR_get_error(3), **CMS_final**(3)

HISTORY

    The **CMS_data_create_ex()** method was added in OpenSSL 3.0.

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