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***Rocky Enterprise Linux 9.2 Manual Pages on command 'CMS\_digest\_create\_ex.3ossl'***

***\$ man CMS\_digest\_create\_ex.3ossl***

CMS\_DIGEST\_CREATE(3ossl)      OpenSSL      CMS\_DIGEST\_CREATE(3ossl)

**NAME**

CMS\_digest\_create\_ex, CMS\_digest\_create - Create CMS DigestedData object

**SYNOPSIS**

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

```
CMS_ContentInfo *CMS_digest_create_ex(BIO *in, const EVP_MD *md,  
                                       unsigned int flags, OSSL_LIB_CTX *ctx,  
                                       const char *propq);
```

```
CMS_ContentInfo *CMS_digest_create(BIO *in, const EVP_MD *md,  
                                    unsigned int flags);
```

**DESCRIPTION**

CMS\_digest\_create\_ex() creates a CMS\_ContentInfo structure with a type

NID\_pkcs7\_digest. The data supplied via the in BIO is digested using md. The library context libctx and the property query propq are used when retrieving algorithms from providers. The flags field supports the CMS\_DETACHED and CMS\_STREAM flags, Internally CMS\_final() is called unless CMS\_STREAM is specified.

The CMS\_ContentInfo structure can be freed using CMS\_ContentInfo\_free(3).

CMS\_digest\_create() is similar to CMS\_digest\_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\_digest\_create\_ex() and CMS\_digest\_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\_digest\_create\_ex() method was added in OpenSSL 3.0.

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