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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'CMS_digest_create_ex.3openssl' command

\$ man CMS_digest_create_ex.3openssl

CMS_DIGEST_CREATE(3openssl) OpenSSL CMS_DIGEST_CREATE(3openssl)

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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3.0.7 2023-07-13 CMS_DIGEST_CREATE(3openssl)