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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'PKCS12\_pack\_p7encdata.3oss!' command**

```
$ man PKCS12_pack_p7encdata.3oss!
```

```
PKCS12_PACK_P7ENCADATA(3oss!)  OpenSSL  PKCS12_PACK_P7ENCADATA(3oss!)
```

### NAME

PKCS12\_pack\_p7encdata, PKCS12\_pack\_p7encdata\_ex - Pack a set of PKCS#12 safeBags into a PKCS#7 encrypted data object

### SYNOPSIS

```
#include <openssl/pkcs12.h>
```

```
PKCS7 *PKCS12_pack_p7encdata(int pbe_nid, const char *pass, int passlen,  
    unsigned char *salt, int saltlen, int iter,  
    STACK_OF(PKCS12_SAFEBAG) *bags);
```

```
PKCS7 *PKCS12_pack_p7encdata_ex(int pbe_nid, const char *pass, int passlen,  
    unsigned char *salt, int saltlen, int iter,  
    STACK_OF(PKCS12_SAFEBAG) *bags,  
    OSSL_LIB_CTX *ctx, const char *propq);
```

### DESCRIPTION

PKCS12\_pack\_p7encdata() generates a PKCS#7 ContentInfo object of encrypted-data type from the set of safeBags bags. The algorithm ID in pbe\_nid can be a PKCS#12 or PKCS#5 password based encryption algorithm, or a cipher algorithm. If a cipher algorithm is passed, the PKCS#5 PBES2 algorithm will be used with this cipher as a parameter. The

password pass of length passlen, salt salt of length saltlen and iteration count iter are inputs into the encryption operation.

PKCS12\_pack\_p7encdata\_ex() operates similar to the above but allows for a library context ctx and property query propq to be used to select the algorithm implementation.

## RETURN VALUES

A PKCS7 object if successful, or NULL if an error occurred.

## CONFORMING TO

IETF RFC 2315 (<<https://tools.ietf.org/html/rfc2315>>)

## SEE ALSO

PKCS12\_pbe\_crypt\_ex(3)

## HISTORY

PKCS12\_pack\_p7encdata\_ex() was added in OpenSSL 3.0.

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