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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'EVP\_des\_edc\_ofb.3ossl' command**

**\$ man EVP\_des\_edc\_ofb.3ossl**

EVP\_DES\_CBC(3ossl)            OpenSSL            EVP\_DES\_CBC(3ossl)

### NAME

EVP\_des\_cbc, EVP\_des\_cfb, EVP\_des\_cfb1, EVP\_des\_cfb8, EVP\_des\_cfb64,  
EVP\_des\_ecb, EVP\_des\_ofb, EVP\_des\_edc, EVP\_des\_edc\_cbc,  
EVP\_des\_edc\_cfb, EVP\_des\_edc\_cfb64, EVP\_des\_edc\_ecb, EVP\_des\_edc\_ofb,  
EVP\_des\_edc3, EVP\_des\_edc3\_cbc, EVP\_des\_edc3\_cfb, EVP\_des\_edc3\_cfb1,  
EVP\_des\_edc3\_cfb8, EVP\_des\_edc3\_cfb64, EVP\_des\_edc3\_ecb,  
EVP\_des\_edc3\_ofb, EVP\_des\_edc3\_wrap - EVP DES cipher

### SYNOPSIS

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

```
const EVP_CIPHER *EVP_ciphertype(void)
```

EVP\_ciphertype is used as a placeholder for any of the described cipher functions, such as EVP\_des\_cbc.

### DESCRIPTION

The DES encryption algorithm for EVP.

EVP\_des\_cbc(), EVP\_des\_ecb(), EVP\_des\_cfb(), EVP\_des\_cfb1(),  
EVP\_des\_cfb8(), EVP\_des\_cfb64(), EVP\_des\_ofb()

DES in CBC, ECB, CFB with 64-bit shift, CFB with 1-bit shift, CFB with 8-bit shift and OFB modes.

None of these algorithms are provided by the OpenSSL default provider. To use them it is necessary to load either the OpenSSL legacy provider or another implementation.

`EVP_des_ede()`, `EVP_des_ede_cbc()`, `EVP_des_ede_cfb()`,  
`EVP_des_ede_cfb64()`, `EVP_des_ede_ecb()`, `EVP_des_ede_ofb()`

Two key triple DES in ECB, CBC, CFB with 64-bit shift and OFB modes.

`EVP_des_ede3()`, `EVP_des_ede3_cbc()`, `EVP_des_ede3_cfb()`,  
`EVP_des_ede3_cfb1()`, `EVP_des_ede3_cfb8()`, `EVP_des_ede3_cfb64()`,  
`EVP_des_ede3_ecb()`, `EVP_des_ede3_ofb()`

Three-key triple DES in ECB, CBC, CFB with 64-bit shift, CFB with 1-bit shift, CFB with 8-bit shift and OFB modes.

`EVP_des_ede3_wrap()`

Triple-DES key wrap according to RFC 3217 Section 3.

## RETURN VALUES

These functions return an `EVP_CIPHER` structure that contains the implementation of the symmetric cipher. See `EVP_CIPHER_meth_new(3)` for details of the `EVP_CIPHER` structure.

## SEE ALSO

`evp(7)`, `EVP_EncryptInit(3)`, `EVP_CIPHER_meth_new(3)`

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