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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'EVP\_rc5\_32\_12\_16\_ofb.3ossl'***

***\$ man EVP\_rc5\_32\_12\_16\_ofb.3ossl***

EVP\_RC5\_32\_12\_16\_CBC(3ossl)    OpenSSL    EVP\_RC5\_32\_12\_16\_CBC(3ossl)

#### NAME

EVP\_rc5\_32\_12\_16\_cbc, EVP\_rc5\_32\_12\_16\_cfb, EVP\_rc5\_32\_12\_16\_cfb64,  
EVP\_rc5\_32\_12\_16\_ecb, EVP\_rc5\_32\_12\_16\_ofb - EVP RC5 cipher

#### SYNOPSIS

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

```
const EVP_CIPHER *EVP_rc5_32_12_16_cbc(void);  
const EVP_CIPHER *EVP_rc5_32_12_16_cfb(void);  
const EVP_CIPHER *EVP_rc5_32_12_16_cfb64(void);  
const EVP_CIPHER *EVP_rc5_32_12_16_ecb(void);  
const EVP_CIPHER *EVP_rc5_32_12_16_ofb(void);
```

#### DESCRIPTION

The RC5 encryption algorithm for EVP.

EVP\_rc5\_32\_12\_16\_cbc(), EVP\_rc5\_32\_12\_16\_cfb(),  
EVP\_rc5\_32\_12\_16\_cfb64(), EVP\_rc5\_32\_12\_16\_ecb(),  
EVP\_rc5\_32\_12\_16\_ofb()

RC5 encryption algorithm in CBC, CFB, ECB and OFB modes respectively. This is a variable key length cipher with an additional "number of rounds" parameter. By default the key length is set to 128 bits and 12 rounds. Alternative key lengths can be set using EVP\_CIPHER\_CTX\_set\_key\_length(3). The maximum key length is 2040 bits.

The following rc5 specific ctrls are supported (see EVP\_CIPHER\_CTX\_ctrl(3)).

EVP\_CIPHER\_CTX\_ctrl(ctx, EVP\_CTRL\_SET\_RC5\_ROUNDS, rounds, NULL)

Sets the number of rounds to rounds. This must be one of RC5\_8\_ROUNDS, RC5\_12\_ROUNDS or RC5\_16\_ROUNDS.

EVP\_CIPHER\_CTX\_ctrl(ctx, EVP\_CTRL\_GET\_RC5\_ROUNDS, 0, &rounds)

Stores the number of rounds currently configured in \*rounds where \*rounds is an int.

## 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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