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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'EVP_rc5_32_12_16_cbc.3oss1' command

```
$ man EVP_rc5_32_12_16_cbc.3oss1
```

```
EVP_RC5_32_12_16_CBC(3oss1)    OpenSSL    EVP_RC5_32_12_16_CBC(3oss1)
```

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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