

**NAME**

EVP\_rc2\_cbc, EVP\_rc2\_cfb, EVP\_rc2\_cfb64, EVP\_rc2\_ecb, EVP\_rc2\_ofb, EVP\_rc2\_40\_cbc, EVP\_rc2\_64\_cbc - EVP RC2 cipher

**SYNOPSIS**

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

```
const EVP_CIPHER *EVP_rc2_cbc(void);
const EVP_CIPHER *EVP_rc2_cfb(void);
const EVP_CIPHER *EVP_rc2_cfb64(void);
const EVP_CIPHER *EVP_rc2_ecb(void);
const EVP_CIPHER *EVP_rc2_ofb(void);
const EVP_CIPHER *EVP_rc2_40_cbc(void);
const EVP_CIPHER *EVP_rc2_64_cbc(void);
```

**DESCRIPTION**

The RC2 encryption algorithm for EVP.

**EVP\_rc2\_cbc(), EVP\_rc2\_cfb(), EVP\_rc2\_cfb64(), EVP\_rc2\_ecb(), EVP\_rc2\_ofb()**

RC2 encryption algorithm in CBC, CFB, ECB and OFB modes respectively. This is a variable key length cipher with an additional parameter called "effective key bits" or "effective key length". By default both are set to 128 bits.

**EVP\_rc2\_40\_cbc(), EVP\_rc2\_64\_cbc()**

RC2 algorithm in CBC mode with a default key length and effective key length of 40 and 64 bits.

**WARNING:** these functions are obsolete. Their usage should be replaced with the **EVP\_rc2\_cbc()**, **EVP\_CIPHER\_CTX\_set\_key\_length()** and **EVP\_CIPHER\_CTX\_ctrl()** functions to set the key length and effective key length.

**NOTES**

Developers should be aware of the negative performance implications of calling these functions multiple times and should consider using **EVP\_CIPHER\_fetch(3)** instead. See "Performance" in **crypto(7)** for further information.

**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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