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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'EVP\_rc4\_hmac\_md5.3oss1'***

***\$ man EVP\_rc4\_hmac\_md5.3oss1***

EVP\_RC4(3oss1)                      OpenSSL                      EVP\_RC4(3oss1)

#### NAME

EVP\_rc4, EVP\_rc4\_40, EVP\_rc4\_hmac\_md5 - EVP RC4 stream cipher

#### SYNOPSIS

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

```
const EVP_CIPHER *EVP_rc4(void);
```

```
const EVP_CIPHER *EVP_rc4_40(void);
```

```
const EVP_CIPHER *EVP_rc4_hmac_md5(void);
```

#### DESCRIPTION

The RC4 stream cipher for EVP.

#### EVP\_rc4()

RC4 stream cipher. This is a variable key length cipher with a default key length of 128 bits.

EVP\_rc4\_40()

RC4 stream cipher with 40 bit key length.

WARNING: this function is obsolete. Its usage should be replaced with the EVP\_rc4() and the EVP\_CIPHER\_CTX\_set\_key\_length() functions.

EVP\_rc4\_hmac\_md5()

Authenticated encryption with the RC4 stream cipher with MD5 as HMAC.

WARNING: this is not intended for usage outside of TLS and requires calling of some undocumented ctrl functions. These ciphers do not conform to the EVP AEAD interface.

## 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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