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

```
$ 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WARNING: this function is obsolete.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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