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***Rocky Enterprise Linux 9.2 Manual Pages on command 'EVP\_aria\_128\_gcm.3oss1'***

***\$ man EVP\_aria\_128\_gcm.3oss1***

EVP\_ARIA\_128\_GCM(3oss1)      OpenSSL      EVP\_ARIA\_128\_GCM(3oss1)

**NAME**

EVP\_aria\_128\_cbc, EVP\_aria\_192\_cbc, EVP\_aria\_256\_cbc, EVP\_aria\_128\_cfb,  
EVP\_aria\_192\_cfb, EVP\_aria\_256\_cfb, EVP\_aria\_128\_cfb1,  
EVP\_aria\_192\_cfb1, EVP\_aria\_256\_cfb1, EVP\_aria\_128\_cfb8,  
EVP\_aria\_192\_cfb8, EVP\_aria\_256\_cfb8, EVP\_aria\_128\_cfb128,  
EVP\_aria\_192\_cfb128, EVP\_aria\_256\_cfb128, EVP\_aria\_128\_ctr,  
EVP\_aria\_192\_ctr, EVP\_aria\_256\_ctr, EVP\_aria\_128\_ecb, EVP\_aria\_192\_ecb,  
EVP\_aria\_256\_ecb, EVP\_aria\_128\_ofb, EVP\_aria\_192\_ofb, EVP\_aria\_256\_ofb,  
EVP\_aria\_128\_ccm, EVP\_aria\_192\_ccm, EVP\_aria\_256\_ccm, EVP\_aria\_128\_gcm,  
EVP\_aria\_192\_gcm, EVP\_aria\_256\_gcm, - EVP ARIA cipher

**SYNOPSIS**

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

```
const EVP_CIPHER *EVP_ciphertype(void)
```

EVP\_ciphertype is used as a placeholder for any of the described cipher functions, such as EVP\_aria\_128\_cbc.

## DESCRIPTION

The ARIA encryption algorithm for EVP.

EVP\_aria\_128\_cbc(), EVP\_aria\_192\_cbc(), EVP\_aria\_256\_cbc(),  
EVP\_aria\_128\_cfb(), EVP\_aria\_192\_cfb(), EVP\_aria\_256\_cfb(),  
EVP\_aria\_128\_cfb1(), EVP\_aria\_192\_cfb1(), EVP\_aria\_256\_cfb1(),  
EVP\_aria\_128\_cfb8(), EVP\_aria\_192\_cfb8(), EVP\_aria\_256\_cfb8(),  
EVP\_aria\_128\_cfb128(), EVP\_aria\_192\_cfb128(), EVP\_aria\_256\_cfb128(),  
EVP\_aria\_128\_ctr(), EVP\_aria\_192\_ctr(), EVP\_aria\_256\_ctr(),  
EVP\_aria\_128\_ecb(), EVP\_aria\_192\_ecb(), EVP\_aria\_256\_ecb(),  
EVP\_aria\_128\_ofb(), EVP\_aria\_192\_ofb(), EVP\_aria\_256\_ofb()

ARIA for 128, 192 and 256 bit keys in the following modes: CBC, CFB with 128-bit shift, CFB with 1-bit shift, CFB with 8-bit shift, CTR, ECB and OFB.

EVP\_aria\_128\_ccm(), EVP\_aria\_192\_ccm(), EVP\_aria\_256\_ccm(),  
EVP\_aria\_128\_gcm(), EVP\_aria\_192\_gcm(), EVP\_aria\_256\_gcm(),

ARIA for 128, 192 and 256 bit keys in CBC-MAC Mode (CCM) and Galois Counter Mode (GCM). These ciphers require additional control operations to function correctly, see the "AEAD Interface" in EVP\_EncryptInit(3) section for details.

## 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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