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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'EVP\_CIPHER-AES.7oss1' command**

**\$ man EVP\_CIPHER-AES.7oss1**

EVP\_CIPHER-AES(7oss1)          OpenSSL          EVP\_CIPHER-AES(7oss1)

### NAME

EVP\_CIPHER-AES - The AES EVP\_CIPHER implementations

### DESCRIPTION

Support for AES symmetric encryption using the EVP\_CIPHER API.

### Algorithm Names

The following algorithms are available in the FIPS provider as well as the default provider:

"AES-128-CBC", "AES-192-CBC" and "AES-256-CBC"

"AES-128-CBC-CTS", "AES-192-CBC-CTS" and "AES-256-CBC-CTS"

"AES-128-CFB", "AES-192-CFB", "AES-256-CFB", "AES-128-CFB1",

"AES-192-CFB1", "AES-256-CFB1", "AES-128-CFB8", "AES-192-CFB8" and

"AES-256-CFB8"

"AES-128-CTR", "AES-192-CTR" and "AES-256-CTR"

"AES-128-ECB", "AES-192-ECB" and "AES-256-ECB"

"AES-192-OFB", "AES-128-OFB" and "AES-256-OFB"

"AES-128-SIV", "AES-192-SIV" and "AES-256-SIV"

"AES-128-XTS" and "AES-256-XTS"

"AES-128-CCM", "AES-192-CCM" and "AES-256-CCM"

"AES-128-GCM", "AES-192-GCM" and "AES-256-GCM"  
"AES-128-WRAP", "AES-192-WRAP", "AES-256-WRAP", "AES-128-WRAP-PAD",  
"AES-192-WRAP-PAD", "AES-256-WRAP-PAD", "AES-128-WRAP-INV",  
"AES-192-WRAP-INV", "AES-256-WRAP-INV", "AES-128-WRAP-PAD-INV",  
"AES-192-WRAP-PAD-INV" and "AES-256-WRAP-PAD-INV"  
"AES-128-CBC-HMAC-SHA1", "AES-256-CBC-HMAC-SHA1",  
"AES-128-CBC-HMAC-SHA256" and "AES-256-CBC-HMAC-SHA256"

The following algorithms are available in the default provider, but not  
the FIPS provider:

"AES-128-OCB", "AES-192-OCB" and "AES-256-OCB"

#### Parameters

This implementation supports the parameters described in "PARAMETERS"  
in `EVP_EncryptInit(3)`.

#### SEE ALSO

`provider-cipher(7)`, `OSSL_PROVIDER-FIPS(7)`, `OSSL_PROVIDER-default(7)`

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