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***Rocky Enterprise Linux 9.2 Manual Pages on command 'EVP\_CIPHER-AES.7ssl'***

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

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

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

#### 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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