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## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'EVP\_sha1.3oss1' command***

***\$ man EVP\_sha1.3oss1***

EVP\_SHA1(3oss1)            OpenSSL            EVP\_SHA1(3oss1)

### NAME

EVP\_sha1 - SHA-1 For EVP

### SYNOPSIS

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

```
const EVP_MD *EVP_sha1(void);
```

### DESCRIPTION

SHA-1 (Secure Hash Algorithm 1) is a cryptographic hash function standardized in NIST FIPS 180-4. The algorithm was designed by the United States National Security Agency and initially published in 1995.

#### EVP\_sha1()

The SHA-1 algorithm which produces a 160-bit output from a given input.

### RETURN VALUES

These functions return a EVP\_MD structure that contains the implementation of the message digest. See EVP\_MD\_meth\_new(3) for details of the EVP\_MD structure.

## CONFORMING TO

NIST FIPS 180-4.

## SEE ALSO

evp(7), EVP\_DigestInit(3)

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3.0.7

2023-07-13

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