

**NAME**

EVP\_MD-MD5-SHA1 – The MD5-SHA1 EVP\_MD implementation

**DESCRIPTION**

Support for computing MD5-SHA1 digests through the **EVP\_MD** API.

MD5-SHA1 is a rather special digest that's used with SSLv3.

**Identity**

This implementation is only available with the default provider, and is identified with the name "MD5-SHA1".

**Gettable Parameters**

This implementation supports the common gettable parameters described in **EVP\_MD-common**(7).

**Settable Context Parameters**

This implementation supports the following **OSSL\_PARAM**(3) entries, settable for an **EVP\_MD\_CTX** with **EVP\_MD\_CTX\_set\_params**(3):

"ssl3-ms" (**OSSL\_DIGEST\_PARAM\_SSL3\_MS**) <octet string>

This parameter is set by libssl in order to calculate a signature hash for an SSLv3 CertificateVerify message as per RFC6101. It is only set after all handshake messages have already been digested via **OP\_digest\_update**() calls. The parameter provides the master secret value to be added to the digest. The digest implementation should calculate the complete digest as per RFC6101 section 5.6.8. The next call after setting this parameter should be **OP\_digest\_final**().

**SEE ALSO**

**EVP\_MD\_CTX\_set\_params**(3), **provider-digest**(7), **OSSL\_PROVIDER-default**(7)

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