

**NAME**

EVP\_whirlpool - WHIRLPOOL For EVP

**SYNOPSIS**

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

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

**DESCRIPTION**

WHIRLPOOL is a cryptographic hash function standardized in ISO/IEC 10118-3:2004 designed by Vincent Rijmen and Paulo S. L. M. Barreto. This implementation is only available with the legacy provider.

**EVP\_whirlpool()**

The WHIRLPOOL algorithm that produces a message digest of 512-bits from a given input.

**NOTES**

Developers should be aware of the negative performance implications of calling this function multiple times and should consider using **EVP\_MD\_fetch(3)** instead. See "Performance" in **crypto(7)** for further information.

**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**

ISO/IEC 10118-3:2004.

**SEE ALSO**

**evp(7)**, **provider(7)**, **EVP\_DigestInit(3)**

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