

**NAME**

EVP\_MAC-Siphash - The Siphash EVP\_MAC implementation

**DESCRIPTION**

Support for computing Siphash MACs through the **EVP\_MAC** API.

**Identity**

This implementation is identified with this name and properties, to be used with **EVP\_MAC\_fetch()**:

"SIPHASH", "provider=default"

**Supported parameters**

The general description of these parameters can be found in "PARAMETERS" in **EVP\_MAC(3)**.

All these parameters can be set with **EVP\_MAC\_CTX\_set\_params()**. Furthermore, the "size" parameter can be retrieved with **EVP\_MAC\_CTX\_get\_params()**, or with **EVP\_MAC\_CTX\_get\_mac\_size()**. The length of the "size" parameter should not exceed that of **size\_t**.

"key" (**OSSL\_MAC\_PARAM\_KEY**) <octet string>

Sets the MAC key. Setting this parameter is identical to passing a *key* to **EVP\_MAC\_init(3)**.

"size" (**OSSL\_MAC\_PARAM\_SIZE**) <unsigned integer>

Sets the MAC size.

"c-rounds" (**OSSL\_MAC\_PARAM\_C\_ROUNDS**) <unsigned integer>

Specifies the number of rounds per message block. By default this is 2.

"d-rounds" (**OSSL\_MAC\_PARAM\_D\_ROUNDS**) <unsigned integer>

Specifies the number of finalisation rounds. By default this is 4.

**SEE ALSO**

**EVP\_MAC\_CTX\_get\_params(3)**, **EVP\_MAC\_CTX\_set\_params(3)**, "PARAMETERS" in **EVP\_MAC(3)**, **OSSL\_PARAM(3)**

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