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Rocky Enterprise Linux 9.2 Manual Pages on command 'EVP_MD-SHAKE.7ssl'

\$ man EVP_MD-SHAKE.7ssl

EVP_MD-SHAKE(7SSL) OpenSSL EVP_MD-SHAKE(7SSL)

NAME

EVP_MD-SHAKE, EVP_MD-KECCAK-KMAC - The SHAKE / KECCAK family EVP_MD implementations

DESCRIPTION

Support for computing SHAKE or KECCAK-KMAC digests through the EVP_MD API.

KECCAK-KMAC is a special digest that's used by the KMAC EVP_MAC implementation (see EVP_MAC-KMAC(7)).

Identities

This implementation is only available with the default provider, and includes the following varieties:

KECCAK-KMAC-128

Known names are "KECCAK-KMAC-128" and "KECCAK-KMAC128"

KECCAK-KMAC-256

Known names are "KECCAK-KMAC-256" and "KECCAK-KMAC256"

SHAKE-128

Known names are "SHAKE-128" and "SHAKE128"

SHAKE-256

Known names are "SHAKE-256" and "SHAKE256"

Gettable Parameters

This implementation supports the common gettable parameters described in `EVP_MD-common(7)`.

Settable Context Parameters

These implementations support the following `OSSL_PARAM(3)` entries, settable for an `EVP_MD_CTX` with `EVP_MD_CTX_set_params(3)`:

"xoflen" (`OSSL_DIGEST_PARAM_XOFLEN`) <unsigned integer>

Sets the digest length for extendable output functions. The length of the "xoflen" parameter should not exceed that of a `size_t`.

SEE ALSO

`EVP_MD_CTX_set_params(3)`, `provider-digest(7)`, `OSSL_PROVIDER-default(7)`

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