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Rocky Enterprise Linux 9.2 Manual Pages on command 'OSSL_STORE_supports_search.3ossl'

\$ man OSSL_STORE_supports_search.3ossl

OSSL_STORE_EXPECT(3ossl) OpenSSL OSSL_STORE_EXPECT(3ossl)

NAME

OSSL_STORE_expect, OSSL_STORE_supports_search, OSSL_STORE_find -

Specify what object type is expected

SYNOPSIS

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

```
int OSSL_STORE_expect(OSSL_STORE_CTX *ctx, int expected_type);
```

```
int OSSL_STORE_supports_search(OSSL_STORE_CTX *ctx, int criterion_type);
```

```
int OSSL_STORE_find(OSSL_STORE_CTX *ctx, OSSL_STORE_SEARCH *search);
```

DESCRIPTION

OSSL_STORE_expect() helps applications filter what OSSL_STORE_load()

returns by specifying a OSSL_STORE_INFO type. By default, no

expectations on the types of objects to be loaded are made.

`expected_type` may be 0 to indicate explicitly that no expectation is made, or it may be any of the known object types (see "SUPPORTED OBJECTS" in `OSSL_STORE_INFO(3)`) except for `OSSL_STORE_INFO_NAME`. For example, if "file:/foo/bar/store.pem" contains several objects of different type and only certificates are interesting, the application can simply say that it expects the type `OSSL_STORE_INFO_CERT`.

`OSSL_STORE_find()` helps applications specify a criterion for a more fine grained search of objects.

`OSSL_STORE_supports_search()` checks if the loader of the given `OSSL_STORE` context supports the given search type. See "SUPPORTED CRITERION TYPES" in `OSSL_STORE_SEARCH(3)` for information on the supported search criterion types.

`OSSL_STORE_expect()` and `OSSL_STORE_find` must be called before the first `OSSL_STORE_load()` of a given session, or they will fail.

NOTES

If a more elaborate filter is required by the application, a better choice would be to use a post-processing function. See `OSSL_STORE_open(3)` for more information.

However, some loaders may take advantage of the knowledge of an expected type to make object retrieval more efficient, so if a single type is expected, this method is usually preferable.

RETURN VALUES

`OSSL_STORE_expect()` returns 1 on success, or 0 on failure.

`OSSL_STORE_supports_search()` returns 1 if the criterion is supported, or 0 otherwise.

OSSL_STORE_find() returns 1 on success, or 0 on failure.

SEE ALSO

ossl_store(7), OSSL_STORE_INFO(3), OSSL_STORE_SEARCH(3),

OSSL_STORE_load(3)

HISTORY

OSSL_STORE_expect(), OSSL_STORE_supports_search() and OSSL_STORE_find()

were added in OpenSSL 1.1.1.

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