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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'OSSL_STORE_expect.3ossl' command

`$ man OSSL_STORE_expect.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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