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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'ossl\_store.7ossl' command**

**\$ man ossl\_store.7ossl**

OSSL\_STORE(7ossl)            OpenSSL            OSSL\_STORE(7ossl)

### NAME

ossl\_store - Store retrieval functions

### SYNOPSIS

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

### DESCRIPTION

#### General

A STORE is a layer of functionality to retrieve a number of supported objects from a repository of any kind, addressable as a filename or as a URI.

The functionality supports the pattern "open a channel to the repository", "loop and retrieve one object at a time", and "finish up by closing the channel".

The retrieved objects are returned as a wrapper type OSSL\_STORE\_INFO, from which an OpenSSL type can be retrieved.

#### URI schemes and loaders

Support for a URI scheme is called a STORE "loader", and can be added dynamically from the calling application or from a loadable engine.

Support for the 'file' scheme is built into "libcrypto". See ossl\_store-file(7) for more information.

#### UI\_METHOD and pass phrases

The OSSL\_STORE API does nothing to enforce any specific format or encoding on the pass phrase that the UI\_METHOD provides. However, the

pass phrase is expected to be UTF-8 encoded. The result of any other encoding is undefined.

## EXAMPLES

A generic call

```
OSSL_STORE_CTX *ctx = OSSL_STORE_open("file:/foo/bar/data.pem");
/*
 * OSSL_STORE_eof() simulates file semantics for any repository to signal
 * that no more data can be expected
 */
while (!OSSL_STORE_eof(ctx)) {
    OSSL_STORE_INFO *info = OSSL_STORE_load(ctx);
    /*
     * Do whatever is necessary with the OSSL_STORE_INFO,
     * here just one example
     */
    switch (OSSL_STORE_INFO_get_type(info)) {
    case OSSL_STORE_INFO_CERT:
        /* Print the X.509 certificate text */
        X509_print_fp(stdout, OSSL_STORE_INFO_get0_CERT(info));
        /* Print the X.509 certificate PEM output */
        PEM_write_X509(stdout, OSSL_STORE_INFO_get0_CERT(info));
        break;
    }
}
OSSL_STORE_close(ctx);
```

## SEE ALSO

OSSL\_STORE\_INFO(3), OSSL\_STORE\_LOADER(3), OSSL\_STORE\_open(3),  
OSSL\_STORE\_expect(3), OSSL\_STORE\_SEARCH(3)

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