

**NAME**

X509\_STORE\_get0\_param, X509\_STORE\_set1\_param, X509\_STORE\_get0\_objects,  
X509\_STORE\_get1\_all\_certs - X509\_STORE setter and getter functions

**SYNOPSIS**

```
#include <openssl/x509_vfy.h>
```

```
X509_VERIFY_PARAM *X509_STORE_get0_param(const X509_STORE *ctx);  
int X509_STORE_set1_param(X509_STORE *ctx, const X509_VERIFY_PARAM *pm);  
STACK_OF(X509_OBJECT) *X509_STORE_get0_objects(const X509_STORE *ctx);  
STACK_OF(X509) *X509_STORE_get1_all_certs(X509_STORE *st);
```

**DESCRIPTION**

**X509\_STORE\_set1\_param()** sets the verification parameters to **pm** for **ctx**.

**X509\_STORE\_get0\_param()** retrieves an internal pointer to the verification parameters for **ctx**. The returned pointer must not be freed by the calling application

**X509\_STORE\_get0\_objects()** retrieves an internal pointer to the store's X509 object cache. The cache contains **X509** and **X509\_CRL** objects. The returned pointer must not be freed by the calling application.

**X509\_STORE\_get1\_all\_certs()** returns a list of all certificates in the store. The caller is responsible for freeing the returned list.

**RETURN VALUES**

**X509\_STORE\_get0\_param()** returns a pointer to an **X509\_VERIFY\_PARAM** structure.

**X509\_STORE\_set1\_param()** returns 1 for success and 0 for failure.

**X509\_STORE\_get0\_objects()** returns a pointer to a stack of **X509\_OBJECT**.

**X509\_STORE\_get1\_all\_certs()** returns a pointer to a stack of the retrieved certificates on success, else NULL.

**SEE ALSO**

**X509\_STORE\_new(3)**

**HISTORY**

**X509\_STORE\_get0\_param** and **X509\_STORE\_get0\_objects** were added in OpenSSL 1.1.0.

**X509\_STORE\_get1\_certs** was added in OpenSSL 3.0.

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