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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'SSL\_get0\_peer\_certificate.3oss!' command**

```
$ man SSL_get0_peer_certificate.3oss!
```

```
SSL_GET_PEER_CERTIFICATE(3oss)  OpenSSL  SSL_GET_PEER_CERTIFICATE(3oss)
```

### NAME

SSL\_get\_peer\_certificate, SSL\_get0\_peer\_certificate,  
SSL\_get1\_peer\_certificate - get the X509 certificate of the peer

### SYNOPSIS

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

```
X509 *SSL_get_peer_certificate(const SSL *ssl);  
X509 *SSL_get0_peer_certificate(const SSL *ssl);  
X509 *SSL_get1_peer_certificate(const SSL *ssl);
```

### DESCRIPTION

These functions return a pointer to the X509 certificate the peer presented. If the peer did not present a certificate, NULL is returned.

### NOTES

Due to the protocol definition, a TLS/SSL server will always send a certificate, if present. A client will only send a certificate when explicitly requested to do so by the server (see SSL\_CTX\_set\_verify(3)). If an anonymous cipher is used, no certificates are sent.

That a certificate is returned does not indicate information about the verification state, use `SSL_get_verify_result(3)` to check the verification state.

The reference count of the X509 object returned by `SSL_get1_peer_certificate()` is incremented by one, so that it will not be destroyed when the session containing the peer certificate is freed. The X509 object must be explicitly freed using `X509_free()`.

The reference count of the X509 object returned by `SSL_get0_peer_certificate()` is not incremented, and must not be freed.

`SSL_get_peer_certificate()` is an alias of `SSL_get1_peer_certificate()`.

## RETURN VALUES

The following return values can occur:

### NULL

No certificate was presented by the peer or no connection was established.

Pointer to an X509 certificate

The return value points to the certificate presented by the peer.

## SEE ALSO

`ssl(7)`, `SSL_get_verify_result(3)`, `SSL_CTX_set_verify(3)`

## HISTORY

`SSL_get0_peer_certificate()` and `SSL_get1_peer_certificate()` were added in 3.0.0. `SSL_get_peer_certificate()` was deprecated in 3.0.0.

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