

NAME

ct – Certificate Transparency

SYNOPSIS

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

DESCRIPTION

This library implements Certificate Transparency (CT) verification for TLS clients, as defined in RFC 6962. This verification can provide some confidence that a certificate has been publicly logged in a set of CT logs.

By default, these checks are disabled. They can be enabled using **SSL_CTX_enable_ct(3)** or **SSL_enable_ct(3)**.

This library can also be used to parse and examine CT data structures, such as Signed Certificate Timestamps (SCTs), or to read a list of CT logs. There are functions for: – decoding and encoding SCTs in DER and TLS wire format. – printing SCTs. – verifying the authenticity of SCTs. – loading a CT log list from a CONF file.

SEE ALSO

d2i_SCT_LIST(3), **CTLOG_STORE_new(3)**, **CTLOG_STORE_get0_log_by_id(3)**, **SCT_new(3)**, **SCT_print(3)**, **SCT_validate(3)**, **SCT_validate(3)**, **CT_POLICY_EVAL_CTX_new(3)**, **SSL_CTX_set_ct_validation_callback(3)**

HISTORY

The ct library was added in OpenSSL 1.1.0.

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