

**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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