

If you have built and deployed a product that incorporates Chrome's network code, it may begin failing network requests with `ERR_CERTIFICATE_TRANSPARENCY_REQUIRED` 10 weeks (70 days) after its original build date, even if it is currently working today.

Problem description

See [this bug](#) for more info.

Chromium code requires that all certificates issued by Symantec Corporation after 1 June 2016 comply with the [Certificate Transparency](#) (CT) policy. This was announced at <https://security.googleblog.com/2015/10/sustaining-digital-certificate-security.html>.

Chromium's Certificate Transparency code stops trusting the built-in CT logs 10 weeks after the build date as specified by the `BUILD_DATE` macro. As a consequence of not trusting any CT logs, no certificate meets that CT policy.

Between June 30 and Nov 12, the behavior in Chromium was to fail-close. 10 weeks after the build, certificates would not meet the CT policy, and certificate verification would fail with `ERR_CERTIFICATE_TRANSPARENCY_REQUIRED`.

A commit on Nov 12 changed the behavior to fail-open. 10 weeks after the build, Certificate Transparency validation would fail, but certificate verification ignores that result.

This impacts HTTP/1.1-and-below connections over TLS, HTTP/2 connections over TLS, and QUIC connections.

Patches and how to test

The [commit](#) (c77495f99003b06f5e9d6ac750b6ffb0afdb582a) which introduced CT requirements for Symantec Certificates was made on June 30. The [commit](#) (ec8e431e9a0f80ace76368ce7edce006f3d409f2) which changed Chromium's behavior to fail-open was made on Nov 12. These impacted the M53 and M54 Chrome releases, as well as the M55 release prior to .54 and M56 prior to 56.0.2917.0

To test manually, set the system clock at least 70 days in the future to trigger this behavior. At the time of this message, that would be at least Feb 14, 2017. Try to reach a site which uses a certificate that fits within the CT-required policy described above - <https://symbeta.symantec.com> is one example. If this fails with `ERR_CERTIFICATE_TRANSPARENCY_REQUIRED`, then your product is likely impacted by this change.