![SECTIGO]

The evolution of TLS/SSL

Comodo is born — 1998

TLS 1.1 Improved protection against attacks yet no one pays attention — 2006

SSL 2.0 is born Thanks Netscape! Unfortunately, with many security flaws — 1994

First DV cert issued Less identity verification result in a more affordable cert — 2001

TLS 1.2 Supports extensions Another security update falling on deaf ears — 2008

Symantec acquires the VeriSign digital certificate business — 2010

Diginotar Attack Hacker gains access to Dutch CA & issues hundreds of fraudulent certs — Aug 2011

Heartbleed Attack 309,197 public web servers vulnerable & as of 06/2017 nearly 180,000 interconnected devices were still vulnerable — Apr 2014

Elliptic Curve Cryptography Launched launched — 2014

DROWN Attack Approximately 33% of HTTPS sites are affected — 2016

Digicert acquires Symantec CA — 2017

Sectigo introduces industry-first multi-year subscription certificates for up to 5 years — 2019

1990s & 2000s

Evolution of web encryption technologies

2010s

⚠ Battle against vulnerabilities ⚠

⚠ Battle against vulnerabilities ⚠

⚠ Battle against vulnerabilities ⚠

FUTURE

SSL 3.0 First commercial SSL priced at $349 — 1995

IEFT takes over Nice try calling SSL, TLS 1.0 — 1999

CA/Browser Forum is founded With Comodo CA as a founding member — 2005

First EV cert issued Guaranteed domain & entity connection - Touché DV certs — 2007

BEAST Attack Exploits predictable IVs in the predominantly used TLS 1.0 – 1st successful attack on rich browser functionality — Jun 2011

Baseline Requirements guidelines set a standard for all server certs — 2012

Poodle Attack Attack on SSL 3.0 results in its 2015 deprecation — Sep 2014

FREAK Attack Approximately 12% of HTTPS sites are affected — 2015

* SHA-1 deprecated * Google deprecates trust for all certificates on Symantec-owned roots — 2017

TLS 1.3 Removal of insecure features + added new Cipher Suites — 2018

⊘ Maximum certificate duration limited to 27 months

⊘ Comodo CA rebranded as Sectigo

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5 Multilayered Approach Required

- Web Detect
- Web Comply
- Web Patch
- Web Firewall
- Web Clean
- Web Backup and Restore
- Web Accelerate