SSL Audit –
TLS / SSL Scanner

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About
SSL Audit scans web servers for SSL/TLS support; it implements its own rudimentary SSL/TLS Parser and is as such **not limited to ciphers supported by SSL engines such as OpenSSL or NSS** and can detect all known and RFC defined cipher suites.

Use
- Scan: Enter the host to be scanned and the appropriate port.
- Clear: Clears the results
- Option - Only display supported Cipher suites
- Experimental: Fingerprints the SSL engine (see “Fingerprint” Experimental)

Fingerprint (Experimental)
Included is an experimental fingerprint engine that tries to determine the SSL Stack used server side. It does so by **sending normal and malformed SSL packets that** can be interpreted in different ways.
It is able to distinguish

- IIS7.5 (Schannel)
- IIS7.0 (Schannel)
- IIS 6.0 (Schannel)
- Apache (Openssl)
- Apache (NSS)
- Certicom
- RSA BSAFE

The higher the Score the more likely the host is using that engine. Note: SSL accelerators/ load balancers will give unlikely results

**Known limitations**

- SSLv2 – SSLv2 detection is prone to false positives – Additional manual checks whether the server accepts HTTP request after negotiations are required.

  **This can be done manually:** `openssl s_client ssl2 -connect SERVERNAME:443 GET / HTTP1.0`

  Some servers answer correctly to an SSLv2 handshake but will output a 500 status request when actually asking for a resource over HTTPS. SSL audit is currently not able to detect this.

- Fingerprints – This is a behavioral fingerprint - False positives are common especially in environments where SSL accelerator or load balancers are used

**Change log**

**0.9 Version**

- Updated TLS 1.2 supported modes
- Added new CHACHA20 Ciphersuites (PSK, DHE, ECDHE)
- Added new ECDHE based PSK ciphersuites

**0.8 Version**
• Speed up SSLv2 discovery

• Added TLS 1.2 Camellia based cipher suites

• Added Aria based cipher suites (http://tools.ietf.org/html/draft-nsri-tls-aria-00)

Alpha Version

• Added option to export results to CSV

• Updated documentation

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