

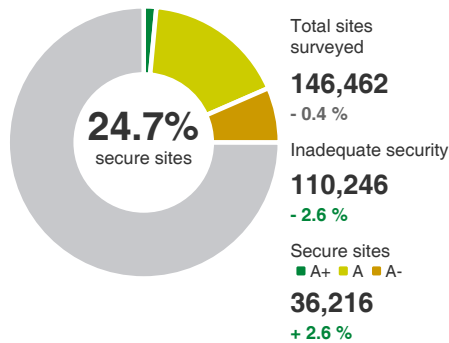
SSL Pulse

Survey of the SSL Implementation of the Most Popular Web Sites

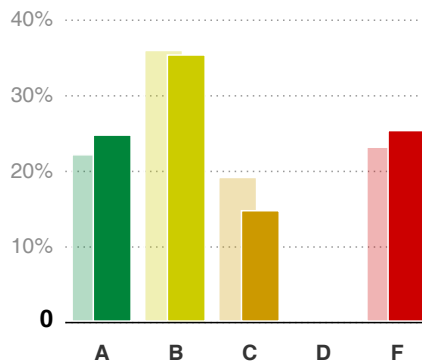
Summary

Published Date: **May 07, 2015**
Comparisons are made against the previous month's data.

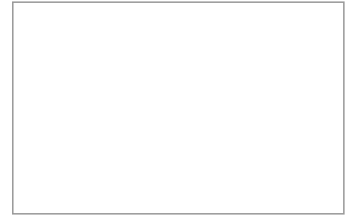
SSL Security Summary



SSL Labs Grade Distribution



SSL Server Test



Enter domain name for testing:

About This Project

Title: **SSL Pulse**
Created by: **SSL Labs**
Date Published: **April 25, 2012**

Details:

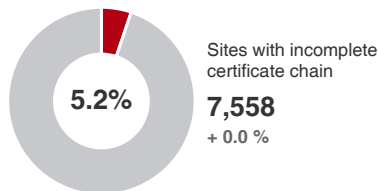
SSL Pulse is a continuous and global dashboard for monitoring the quality of SSL support across the top one million web sites. SSL Pulse is powered by the assessment technology of [SSL Labs](#), which is focused on auditing the SSL ecosystem, raising awareness, and providing tools and documentation to web site owners so they can improve their SSL implementations.

Read the [blog post](#).

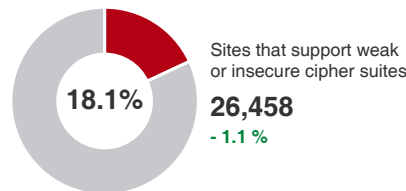
[Trustworthy Internet Movement Picks SSL Implementation and Governance as First Initiative](#)
April 26, 2012

Key Findings

Certificate Chain



Cipher Strength



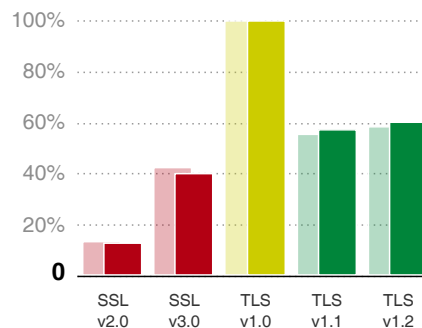
Heartbleed

416 Sites vulnerable to the **Heartbleed Bug**
0.3 % of sites surveyed
- 16 since previous month

Strict Transport Security

4,908 Sites that support **HTTP Strict Transport Security**
3.4 % of sites surveyed
+ 310 since previous month

Protocol Support



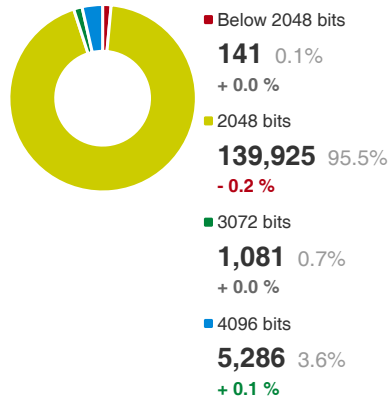
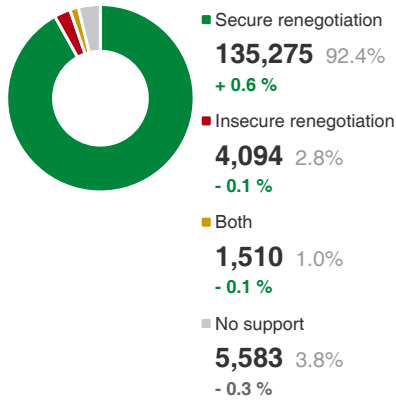
Methodology

The goal of the SSL Labs surveys is to measure the *effective security* of SSL. After some experimentation with an assessment of substantially all public SSL sites (about 1.5 million of them), we settled on a smaller list of about 200,000 SSL-enabled web sites, based on Alexa's list of most popular sites in the world. Working with a smaller list is more manageable and allows us to conduct the surveys more often. It also allows us to conduct more thorough analysis to look for application-layer issues that may subvert SSL security. In addition, focusing on popular sites – we believe – gives us more relevant results and also excludes abandoned sites.

Having worked with several data sets, each drawing from a different list of sites, we have come to understand that what we are presenting in our surveys is not a measurement, but a reasonable approximation of the state of SSL. More important than the

Renegotiation Support

Key Strength Distribution

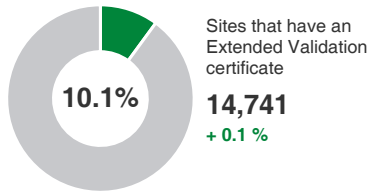


results from any one round of tests is how the measurements change over time. The adoption of a single selection methodology and a switch to monthly testing should give us an indicator of where we're heading, which is what we believe matters.

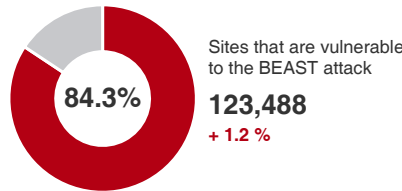
Documentation

- [SSL Server Rating Guide](#)
- [BEAST and How to Fix It](#)
- [Insecure Renegotiation and How to Fix It](#)
- [SSL/TLS Deployment Best Practices](#)

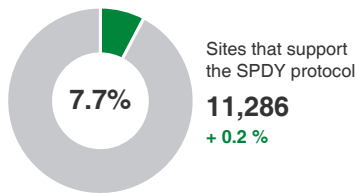
Extended Validation Certificates



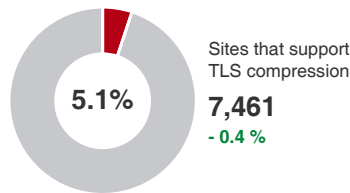
BEAST Attack



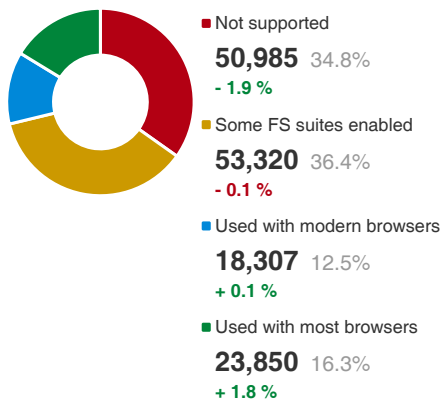
SPDY



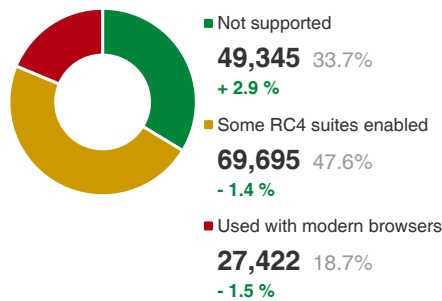
TLS Compression / CRIME



Forward Secrecy

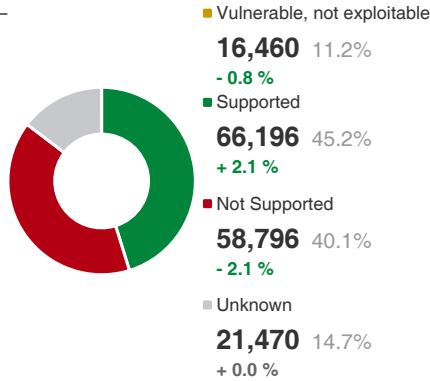
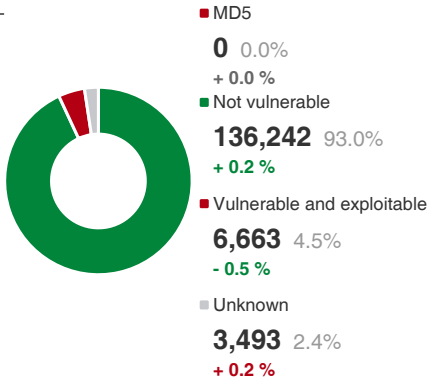
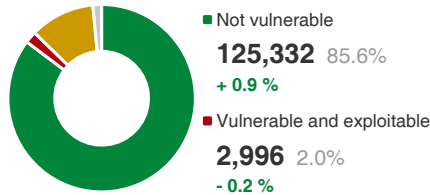
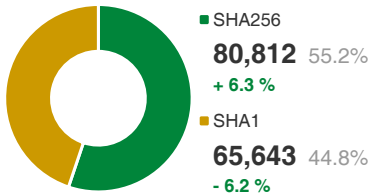


RC4



Certificate Signature Algorithms

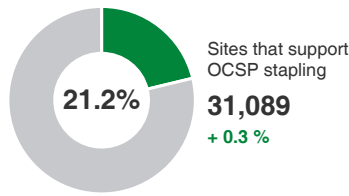
CVE-2014-0224



Sites that require RC4

1,218 Sites that support only RC4 cipher suites
 0.8 % of sites surveyed
 - 337 since previous month

OCSP Stapling



Key Exchange Strength

