Chrome Browser Update

CA/Browser Forum F2F 46
March 13, 2019
Cupertino, USA

chrome

Chrome Security User Interface

Philosophy: Security features should be helpful when you need them, and invisible when you don't need them.

We have concluded our large-scale study into Security UI that we discussed at F2F 44 in London. This study has been submitted for peer-review and we look forward to it being published in 2019.

Following up on our most recent report on Security UI changes, Chrome is running a very small % experiment showing red Not Secure chip on all HTTP pages and we will determine rollout plan after collecting metrics on this experiment.

chrome

Chrome Security User Interface

Emily Stark, a lead on the Chrome Security UI / Usable Security team, gave a talk on the challenges of URLs and site identity at USENIX Enigma 2019.

<u>https://youtu.be/RPoAc0ScdTM</u>

It's definitely worth a watch if you're interested in these topics!

chrome

TLS 1.0 and 1.1 Deprecation

Chrome, along with several other browsers, are continuing our effort to deprecate TLS versions 1.0 and 1.1 in early 2020. We expect this to hit early release channels in late 2019.

While not directly certificate-related, we know CAs sometimes field TLS-related questions and concerns from clients, so we want to share this information as widely as possible.

https://security.googleblog.com/2018/10/modernizing-transport-security.html

chrome

Certificate Transparency

Recent Log List changes:

- DigiCert Nessie 2019, 2020, 2021, 2022→ **Qualified** in Chrome 72
- Google Xenon 2019, 2020, 2021, 2022 → **Qualified** in Chrome 73
- DigiCert Symantec, Sirius, Vega → **Retired** in Chrome 73

As a reminder, **Qualified** Logs become **Usable** 10 weeks after the most recent build of the latest version without those Logs.

- Nessie: Est **June 2019**. Xenon: Est **Aug 2019**.

Old 2018 shards will be removed in an upcoming version of Chrome

chrome

PKI Ecosystem Shoutouts

Incident Reporting

- High quality and thorough incident reporting provides Root Programs assurances around the scope and magnitude of incidents
- Transparency and cooperation with follow-on questions provide confidence that the problem is fully understood, mitigated, and rectified

Linting

- We're seeing a greater adoption of pre-issuance linting and strongly encourage more to adopt this practice
- Consider contributing new lint tests back to trunk for vetting

chrome

Contact us at:
chrome-root-authority-program@google.com

chrome