draft-ietf-tls-delegated-credentials

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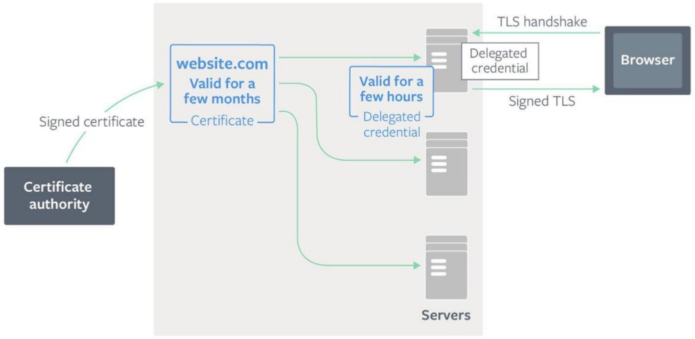
Running code

Delegated credentials: Improving the security of TLS certificates



By Subodh Iyengar Kyle Nekritz Alex Guzman

NOV 1 2019

Validating Delegated Credentials for TLS in Firefox

Kevin Jacobs J.C. Jones Thyla van der Merwe

Delegated Credentials for TLS

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Nick Sullivan Watson Ladd

November 1, 2019 9:00 PM

Proposal: Added algorithm flexibility

Problem: The Client Hello supported_algorithms extension is overloaded to apply to both DC SPKIs and leaf certificate SPKIs, PKIX stack is intolerant of unknown SPKIs.

Proposed solution:

Advertise set of “supported_algorithms” for use with delegated credential handshakes in the delegated credentials extension.

Alternative: Live with it.

Next Steps

Security analysis underway (J Hoyland)

WGLC in conjunction with security analysis?

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