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Apache 2 HTTP2 Module Concurrent Pool Usage

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Apache 2 suffers from an issue with concurrent pool usage in the http2 module.

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One example is core generate log id. As some of the code in h2 mplx.c is executed on a worker thread, it is possible that the main thread performs a parallel allocation and corrupts the pool. (apr memory pools are not thread-safe)

Most logging calls are using DEBUG and TRACC levels and can't be exploited in a production environment. However, the task done function calls aplog cerror with APLOG_INFO when throttling tasks, which can be triggered by a malicious client: h2_mplx.c:809
ap_log_cerror(APLOG_MARK, APLOG_INFO, 0, m->c,
HZ_STRM_MSG(stream, \"redo, added to q\")); This bug is subject to a 90 day disclosure deadline. After 90 days elapse, the bug report will become visible to the public. The scheduled disclosure date is 2020-09-14. Disclosure at an earlier date is also possible if agreed upon by all parties. Related CVE Numbers: CVE-2020-11993. Found by: fwilhelm@google.com

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