1139 - cloudflare: Cloudflare Reverse Proxies are Dumping Uninitialized Memory - project-zero

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Content

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1139 - cloudflare: Cloudflare Reverse Proxies are Dumping Uninitialized Memory - project-zero - Monorail

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| | | | |

| Status: | Fixed | | | Owner: |

taviso@google.com

| | | Closed: | Today | | | Cc: |

taviso@google.com

project-...@google.com

- | |

|

Deadline-90

Finder-taviso

Severity-Critical

CCProjectZeroMembers

Restrict-AddIssueComment-EditIssue

Reported-2017-Feb-17

Vendor-cloudflare

Product-cloudflare

| |

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(It took every ounce of strength not to call this issue "cloudbleed")

Corpus distillation is a procedure we use to optimize the fuzzing we do by analyzing publicly available datasets. We've

[https://security.googleblog.com/2011/08/fuzzing-at-scale.html](https://security.googleblog.com/2011/08/fuzzing-at-scale.htr
[http://taviso.decsystem.org/making_software_dumber.pdf#page=11](http://taviso.decsystem.org/making_software_dumber.

On February 17th 2017, I was working on a corpus distillation project, when I encountered some data that didn't matc

It became clear after a while we were looking at chunks of uninitialized memory interspersed with valid data. The prog

A while later, we figured out how to reproduce the problem. It looked like that if an html page hosted behind cloudflar

We fetched a few live samples, and we observed encryption keys, cookies, passwords, chunks of POST data and even H

This situation was unusual, PII was actively being downloaded by crawlers and users during normal usage, they just di

https://twitter.com/taviso/status/832744397800214528

After I explained the situation, cloudflare quickly reproduced the problem, told me they had convened an incident and

"You definitely got the right people. We have killed the affected services"

This bug is subject to a 90 day disclosure deadline. After 90 days elapse
or a patch has been made broadly available, the bug report will become
visible to the public.

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