New issue Jump to bottom

Security Fix for Stored Cross-site Scripting (XSS) - huntr.dev #694

Merged dbuxton merged 2 commits into arachnys:master from 418sec:1-pip-cabot ☐ on Jan 5, 2021

Conversation 3 Commits 2 Checks 0 Files changed 2





Q|A

Version Affected | ALL

Bug Fix | YES

Original Pull Request | 418sec#1

 $Vulnerability\ README\ |\ https://github.com/418sec/huntr/blob/master/bounties/pip/cabot/1/README.md$

User Comments:

Metadata *

Bounty URL: https://www.huntr.dev/bounties/1-pypi-cabot/

Description *

Executed Persistent stored XSS in cabot check settings, as well as the address field.

Technical Description *

Fixed by using builtin django autoescape and URLValidator

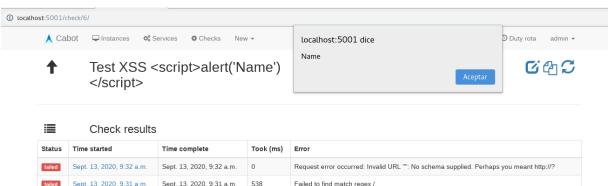
Altough Django has inbuilt protection agains XSS it was disabled for the test result.error by using {% autoescape off %}, just to be sure I wasn't breaking any needed functionality I inspected history to depict the porpouse of this change

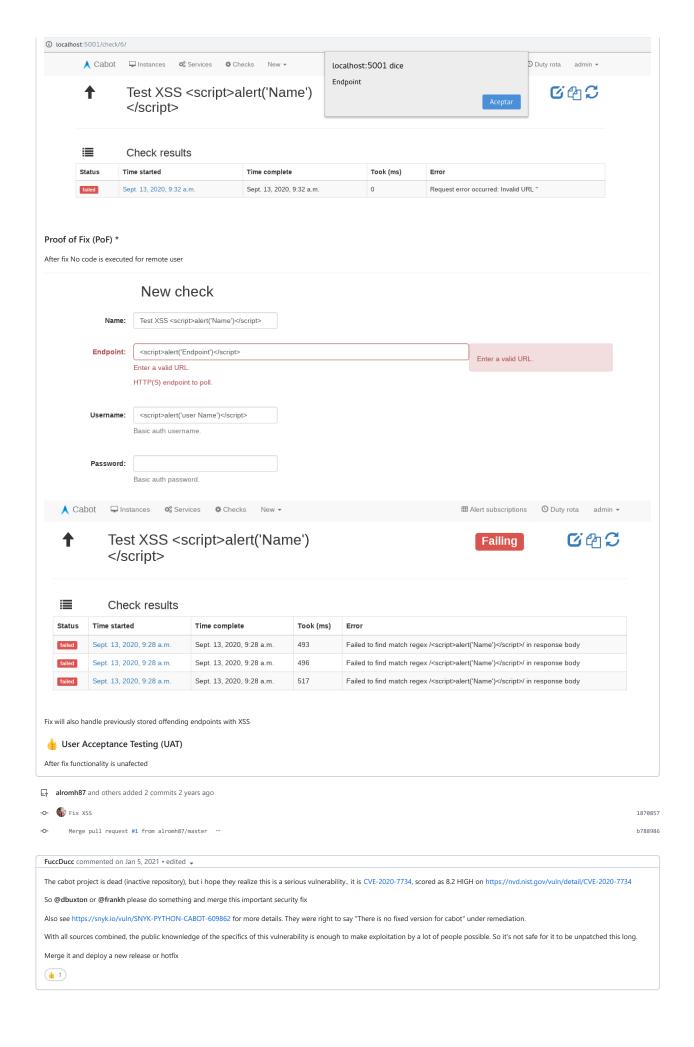
- Ofending line was introduced in 558f18c #diff-480f9da2f76d81e98bfb4c99316b90c6R52
- For allowing embeding links in the response 558f18c #diff-9ff30487dc763b21d6a7742d19eb2268R442
- Function was removed a few commits later making the use of {% autoescape off %} unnecesary

As an extra I added URLValidator in the Http test model

Proof of Concept (PoC) *

- 1. Setup cabot to reproduce the vulnerability
- 2. Create an account now login to the account
- 3. Go to checks Create and navigate to http check.
- 5. Now we can see a failed check now click run button in that checks
- 6. XSS triggered
- 7. XSS will trigger in check result for every time executed for both Test name and Endpoint





dbuxton commented on Jan 5, 2021

Contributor

Thanks for the feedback. Exploitation of this requires admin access, so we did not prioritize it, but as the fix is simple and uncontroversial it's now merged.



FuccDucc commented on Jan 5, 2021 • edited ▼

Nice..

The last release 0.11.7 dates back to 2017, and there's a lot of later commits in master.

How about making a new release that will include this security patch and also serve not to let all of those other updates go to waste? @dbuxton

No reviews

Assignees

No one assigned

Labels

Projects None yet

Milestone

Development

Successfully merging this pull request may close these issues.

None yet

4 participants



