New issue

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Hardcoded Flask Secrets Key - "Privilege Escalation" #292

Closed **Securitybits-io** opened this issue on Feb 16 · 1 comment

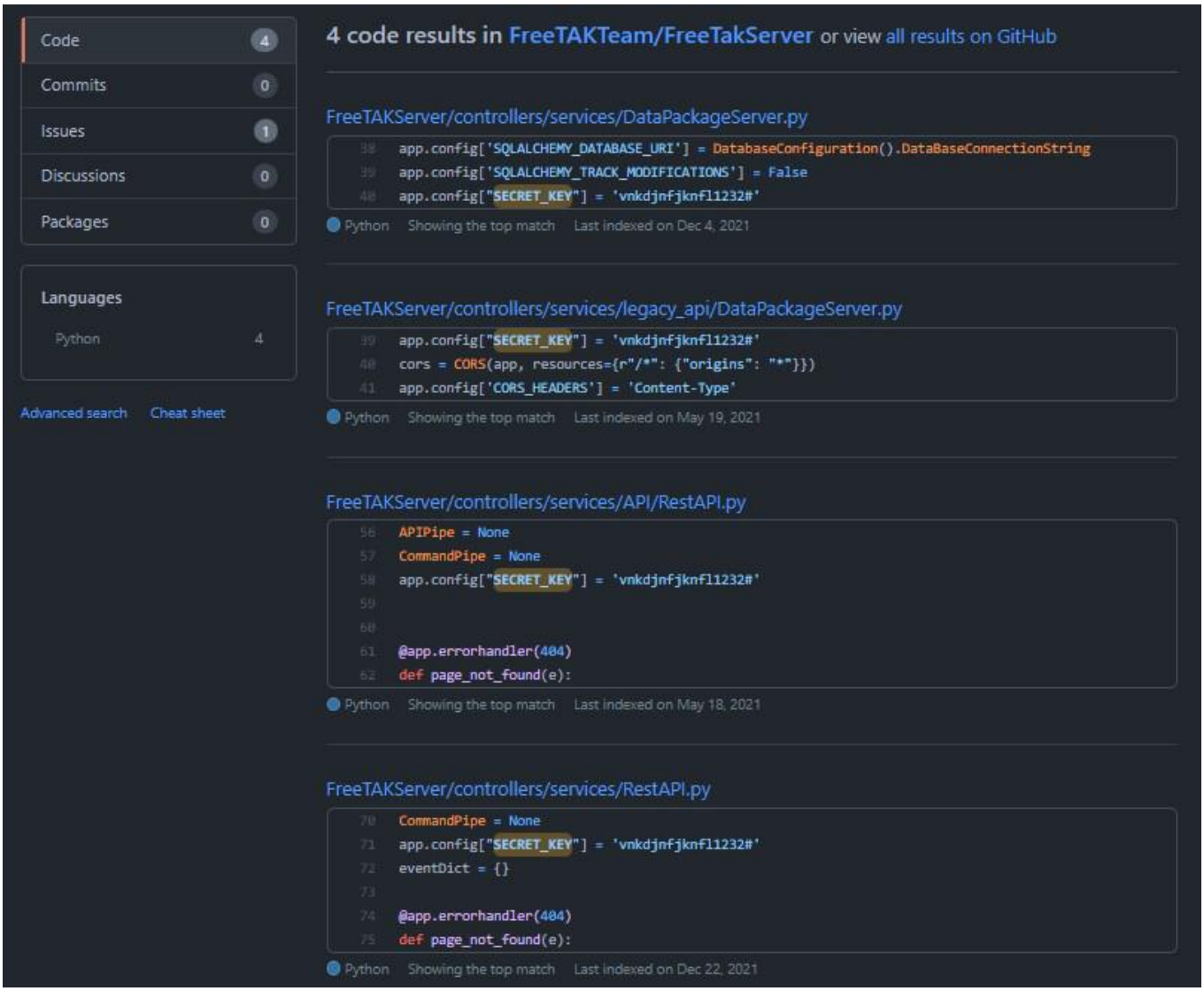
Assignees

Labels bug_Normal

Projects 1.9.9

Securitybits-io commented on Feb 16

In the sourcecode there are 3 relevant places that the Flask Secrets Key are hardcoded. Flask signs all their client sessions with this secret key, usually defined in an *Environment Variable*. In this case though there's these three places that these are hardcoded into.



This gives a malicious user the ability to sign their own cookies (using for example: Flask-Unsign), and internally change the UID of the current user and assume any other user, for example UID 1 which is the Admin. (Privilege Escalation)

Another interessting issue that you run into aswell is that having two Flask servers with the same *secret key* makes it possible for a user to reuse a UID 1 cookie from Server A, and apply that cookie to Server B logging in to the same UID 1. (Lateral movement/Authentication bypass).

brothercorvo assigned **naman108**, **jonaugustine** and **brothercorvo** on Feb 16

brothercorvo added the bug_Normal label on Feb 16

brothercorvo added this to **To do** in **1.9.9** via automation on Feb 16

naman108 added a commit that referenced this issue on Feb 16

`addressed issues #293 and #292` `33180eb`

naman108 mentioned this issue on Feb 16

Syntax updates, xml reception, fixed security vulnerabilities #294

Merged

brothercorvo commented on Mar 12 — Collaborator

fixed in 1.9.8.5

brothercorvo closed this as completed on Mar 12

1.9.9 automation moved this from **To do** to **Done** on Mar 12

Assignees

naman108

brothercorvo

jonaugustine

Labels

bug_Normal

Projects

No open projects

1 closed project

Milestone

No milestone

Development

No branches or pull requests

4 participants