- 1-login to gitlab account

- 1-login to glida account
 2-open your project
 3-open Wiki page.
 4-Click Twen yage 'button.
 5-attach png file which contain below code.

 <
- 6-Click "Create page" button.
 7-Click on green triangle
 8-if The alert dialog not appears from first time just click on it one more time

If whici pages created by using this vulnerability are visible to everyone (Wiki Visibility setting is set to "Everyone With Access") in "Public" project, there is a possibility that a considerable number of Gittab users and visitors click a malicious link.

Examples

gitlab.com

https://qitlab.com/semsemhacker123/semsemtest/-/wikis/ssaa-home

https://qitlab.com/semsemhacker123/semsemtest/-/wikis/uploads/1308853a75502f77b3e22a2f9b0cc88a/1111111.png

What is the current bug behavior?

The alert dialog appears after clicking "green triangle" in created page.

What is the expected correct behavior?

the png file it must be not executed as image/svg+xml

An attacker can use XSS to send a malicious script to an unsuspecting user. The end user's browser has no way to know that the script should not be trusted, and will execute the script. Because it thinks the script came from a trusted source, the malicious script can access any cookies, session tokens other sensitive information retained by the browser and used with that site. These scripts can even rewrite the content of the HTML page

Attachments

Warning: Attachments received through HackerOne, please exercise caution!

- <u>1111111.png</u> <u>gitlab_poc.png</u>
- ⚠ Drag your designs here or click to upload.

No tasks are currently assigned. Use tasks to break down this issue into smaller parts. Link issues together to show that they're related or that one is blocking others. <u>Learn more.</u> Activity GitLab SecurityBot added priority 2 severity 2 scoped labels 2 years ago

- GitLab SecurityBot added HackerOne security labels 2 years ago
- GitLab SecurityBot added security-group-missing security-triage-appsec labels 2 years ago
- O Vitor Meireles De Sousa added priority 3 severity 3 scoped labels 2 years ago



Vitor Meireles De Sousa @vdesousa · 2 years ago



- Vitor Meireles De Sousa added 1 deleted label 2 years ago
- Vitor Meireles De Sousa added devops create scoped label 2 years ago



<u>Vitor Meireles De Sousa</u> <u>@vdesousa</u> · <u>2 years ago</u>

@cdybenko @dsatcher SVG XSS on Wiki attachments using the following endpoint /api/v4/projects/<id> Requires the user to click on the SVG.

GitLab SecurityBot removed security-group-missing security-triage-appsec labels 2 years ago

Markus Koller @toupeira · 2 years ago

Looks like the problem is that we're sending wiki attachments with <code>Content-Disposition</code>: <code>inline</code>, but should use <code>attachs</code> force a download in the browser. We can fix this by passing <code>inline</code>: <code>false</code> in <a href="https://qitlab.com/qitlab.c org/gitlab/blob/5a66b453f3b3ff6ccb52eadd5186551bd7b6280d/app/controllers/projects/wikis_controller.rb#L49

I'm curious why the same exploit doesn't work in other cases, e.g. Projects::RawController#show also uses send_blob with inline: true by default, and it looks like we have some special processing in Workhorse to force attachment for unsafe content types like SVG:

For some reason this doesn't apply for wiki attachments, not sure if this requires more investigation @vdesousa Edited by Markus Koller 2 years ago



<u>Luke Duncalfe</u> @.luke · 2 years ago

<u>Stroupera</u> @dsatcher This is extremely related to https://gitlab-org/gitlab/-/issues/213310 which has a grownert methods of handling SVG XSS vulnerabilities (and the pitfalls).





Workhorse will ensure a Content-Disposition of 'attachment' on a 200 but not a 304.

I checked the wiki attachments again and when the SVG is not cached it's indeed sent with attachment, so this explains the Workhorse behaviour from my comment above

It also looks like we're already doing everything correctly from the Rails side and sending max-age=60, public, must-revalidate, no-store (or private for private projects) but Cloudflare is overriding this on .com with public, max-age=14400 https://gitlab.com/gitlab-org/gitlab/-rissues/213310#note_316944578

On staging we have Respect Existing Headers enabled, and I do get the correct cache headers there and can't reproduce this



