New issue   Jump to bottom

EmailValidator catastrophic exponential-time regular expression #7757

⊘ Closed   **vaadin-bot** opened this issue on Jul 19, 2016 · 5 comments

Labels   bug   **Stale**   v7

Milestone   ⇨ 7.7.22

---

vaadin-bot commented on Jul 19, 2016   Collaborator

Originally by *jtomaszk*

Class com.vaadin.data.validator.EmailValidator is using unsafe validation regex

```
"^([a-zA-Z0-9_\\.\\-+])+@(([a-zA-Z0-9-])+\\.)+([a-zA-Z0-9]{2,4})+$"
```

example of potential malicious input that validation never ends:

```
a@a.m5qRt8zLxQG4mMeu9yKZm5qRt8zLxQG4mMeu9yKZm5qRt8zLxQG4mMeu9yKZ&
```

related info [http://www.regular-expressions.info/catastrophic.html]

Imported from https://dev.vaadin.com/ issue #20065

🏷 **vaadin-bot** added the bug label on Dec 10, 2016

fante76 commented on Jun 6, 2017

Current implementation on Vaadin8, gives validation error if value is an empty string, because it only test null value.

👍 1

cristian-aimi commented on Jun 23, 2017

this second bug notificated by fante76 it's more serious because blocks the form tha has an EmailValidator inside. Would be better to fix the problem first as possible.

stale [bot] commented on Mar 19, 2018

Hello there!

It looks like this issue hasn't progressed lately. There are so many issues that we just can't deal them all within a reasonable timeframe.

There are a couple of things you could help to get things rolling on this issue (this is an automated message, so expect that some of these are already in use):

- Check if the issue is still valid for the latest version. There are dozens of duplicates in our issue tracker, so it is possible that the issue is already tackled. If it appears to be fixed, close the issue, otherwise report to the issue that it is still valid.
- Provide more details how to reproduce the issue.
- Explain why it is important to get this issue fixed and politely draw others attention to it e.g. via the forum or social media.
- Add a reduced test case about the issue, so it is easier for somebody to start working on a solution.
- Try fixing the issue yourself and create a pull request that contains the test case and/or a fix for it. Handling the pull requests is the top priority for the core team.
- If the issue is clearly a bug, use the Warranty in your Vaadin subscription to raise its priority.

Thanks again for your contributions! Even though we haven't been able to get this issue fixed, we hope you to report your findings and enhancement ideas in the future too!

🏷 **stale** [bot] added the **Stale** label on Mar 19, 2018

↗ **vaadin-bot** mentioned this issue on Mar 21, 2018

getEmbedJs for normal embedding as well #1816
⊘ Closed

stale [bot] commented on Sep 12, 2020

The issue was automatically closed due to inactivity. If you found some new details to it or started working on it, comment on the issue so that maintainers can re-open it.

stale [bot] closed this as completed on Sep 12, 2020

TatuLund added the v7 label on Sep 14, 2020

TatuLund commented on Sep 14, 2020   Contributor

For some reason this ticket has been left open although it has been addressed in Vaadin version 8 newer frameworks. The regexp pattern has been update to

> framework/server/src/main/java/com/vaadin/data/validator/EmailValidator.java
> Line 29 in `bafab45`

```
29    private static final String PATTERN = "^" + "([a-zA-Z0-9_\\.\\-+])+" // local
```

I verified that problem with the given test pattern does not occur anymore.

**TatuLund** added a commit that referenced this issue on Sep 14, 2020

Update regexp pattern to safer one   ···   ✕ d352c7b

TatuLund mentioned this issue on Sep 14, 2020

Update regexp pattern to safer one #12104

⟩⟵ Merged

Ansku pushed a commit that referenced this issue on Sep 30, 2020

Update regexp pattern to safer one (#12104)   ···   17f5c1b

tarekoraby added this to the **7.7.22** milestone on Oct 6, 2020

StefanPenndorf mentioned this issue on Mar 12, 2021

Vaadin 7 Compatibility Server - EmailValidator catastrophic exponential-time regular expression #12240

⊘ Closed

glebfox mentioned this issue on Aug 9, 2021

Fix security alert: regular expression denial of service (ReDoS) cuba-platform/cuba#3216

⊘ Closed

Assignees

No one assigned

Labels

bug **Stale** v7

Projects

None yet

Milestone

7.7.22

Development

No branches or pull requests

---

5 participants