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## RUSTSEC-2021-0080 Links in archive can create arbitrary directories

Reported

Issued

Package tar (crates.io ) Туре CVE-2021-38511 Aliases

https://github.com/alexcrichton/tar-rs/issues/238 Details

CVSS Score

CVSS Details

Attack vector

Attack complexity Low Privileges required None User interaction Scope

Confidentiality Integrity Availability

CVSS Vector CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:H/A:N

Patched >=0.4.36

Affected Functions tar::Archive::unpack <0.4.36

## Description

When unpacking a tarball that contains a symlink the tar crate may create directories outside of the directory it's supposed to unpack into.

```
use tar::{Archive, Builder, EntryType, Header};
let mut builder = Builder::new(&mut buf);
```

This has been fixed in https://github.com/alexcrichton/tar-rs/pull/259 and is published as tar 0.4.36. Thanks to Martin Michaelis (@mgjm) for discovering and reporting this, and Nikhil Benesch (@benesch) for the fix!