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## RUSTSEC-2021-0073

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Conversion from `prost_types::Timestamp` to `SystemTime` can cause an overflow and panic

**Reported** July 8, 2021  
**Issued** July 8, 2021 (last modified: November 6, 2021)  
**Package** [prost-types](#) ([crates.io](#))  
**Type** Vulnerability  
**Categories** [denial-of-service](#)  
**Keywords** [#denial-of-service](#)  
**Aliases** [CVE-2021-38192](#)  
**Details** <https://github.com/tokio-rs/prost/issues/438>  
**Patched** `>=0.8.0`

| Affected Functions  | Version                 |
|---|-------------------------|
| <code>prost_types::Timestamp::Into&lt;SystemTime&gt;</code> | <code>&lt;=0.7.0</code> |

### Description

Affected versions of this crate contained a bug in which untrusted input could cause an overflow and panic when converting a `Timestamp` to `SystemTime`.

It is recommended to upgrade to `prost-types` v0.8 and switch the usage of `From<Timestamp>` for `SystemTime` to `TryFrom<Timestamp>` for `SystemTime`.

See [#438](#) for more information.