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## RUSTSEC-2021-0068

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Soundness issue in `iced-x86` versions  $\leq 1.10.3$

**Reported** May 19, 2021

**Issued** May 22, 2021 (last modified: November 6, 2021)

**Package** `iced-x86` ([crates.io](#))

**Type** Vulnerability

**Keywords** `#soundness`

**Aliases** `CVE-2021-38188`

**Details** <https://github.com/icedland/iced/issues/168>

**Patched**  $>1.10.3$

Affected Functions	Version
<code>iced_x86::Decoder::new</code>	$\leq 1.10.3$

### Description

Versions of `iced-x86`  $\leq 1.10.3$  invoke undefined behavior which may cause soundness issues in crates using the `iced_x86::Decoder` struct. The `Decoder::new()` function made a call to `slice.get_unchecked(slice.length())` to get the end position of the input buffer. The flaw was fixed with safe logic that does not invoke undefined behavior.

More details can be found at <https://github.com/icedland/iced/issues/168>.