New issue

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Fix mem::uninitialized UB warning #100

⊷ **Merged** **Gankra** merged 1 commit into `contain-rs:master` from `SpaceManiac:fix-ub-warnings` ⧉ on Dec 17, 2019

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SpaceManiac commented on Dec 17, 2019   `Contributor`

Scary-looking warning fixable *as far as I can tell* with one-line patch

```
warning: use of deprecated item 'std::mem::uninitialized': use `mem::MaybeUninit` instead
  --> src/lib.rs:1138:29
   |
1138 |          self.map = unsafe { mem::uninitialized() };
   |                              ^^^^^^^^^^^^^^^^^^
   |
   = note: `#[warn(deprecated)]` on by default

warning: the type `std::collections::HashMap<KeyRef<K>, *mut Node<K, V>, S>` does not permit being left uninitialized
  --> src/lib.rs:1138:29
   |
1138 |          self.map = unsafe { mem::uninitialized() };
   |                              ^^^^^^^^^^^^^^^^^^
   |                              |
   |                              this code causes undefined behavior when executed
   |                              help: use `MaybeUninit<T>` instead
   |
   = note: `#[warn(invalid_value)]` on by default
note: std::ptr::NonNull<u8> must be non-null (in this struct field)
```

⊶ Fix mem::uninitialized UB warning   df65b33

Gankra approved these changes on Dec 17, 2019

View changes

Gankra left a comment   `Contributor`

woah yeah, weird whack code

Gankra merged commit **4f681be** into `contain-rs:master` on Dec 17, 2019

⌥ **SpaceManiac** deleted the `fix-ub-warnings` branch 3 years ago

RalfJung commented on May 3, 2020

Any chance of a release with this fix? The crate is still fairly widely used, and with [rust-lang/rust#71274](#) we are turning the UB here into a panic, which breaks the released version of this crate.

⎋ 🟠 **RalfJung** mentioned this pull request on May 3, 2020

might_permit_raw_init: also check aggregate fields rust-lang/rust#71274

⊷ **Merged**

Gankra commented on May 6, 2020   `Contributor`

Done.

RalfJung commented on May 6, 2020

@Gankra looks like something went wrong? I cannot see a new version at https://crates.io/crates/linked-hash-map.

Gankra commented on May 6, 2020   `Contributor`

whoops sorry, fixed

👍 1

RalfJung commented on May 6, 2020

Awesome, thanks. :)

RalfJung mentioned this pull request on May 14, 2020

linked-hash-map < 0.5.3 is unsound rustsec/advisory-db#298

⊘ Closed

RalfJung mentioned this pull request on Jul 5, 2020

ICE when calling mem::uninitialized for an enum with 256 variants. rust-lang/miri#1456

⊘ Closed

Dylan-DPC-zz commented on Jul 23, 2020

@Gankra is there any plan on yanking the older (unsound) versions? This crate has many reverse dependencies yanking the older ones would ensure that they obtain a sound version of this crate instead of bumping the minimum dependency to 0.5.3

👍 2   😕 1

Bobo1239 mentioned this pull request on Oct 4, 2020

new release of lru-disk-cache with updated dependicies on crates.io ? mozilla/sccache#813

⊘ Closed

This was referenced on Oct 5, 2020

Audit the sentinel node for Unsafe Code Guidelines Violations #97

⊘ Closed

Panic in Firefox (rusqlite/lru_cache/linked_hash_map) built with recent Rust nightlies rust-lang/rust#77585

⊘ Closed

Xanewok commented on Nov 11, 2020

@Gankra a friendly reminder - it'd be great to yank the previous version as I've been bitten by this as well when using the toml_edit crate and had to scan the backtrace and dig a bit to find that I should bump this transitive dependency to 0.5.3.

Pretty please 🙏 (if not that's fine too ofc, just let us know 🙂)

RalfJung commented on Nov 11, 2020

FWIW, `cargo audit` should also tell you that this update is necessary.

Xanewok added a commit to paritytech/cargo-unleash that referenced this pull request on Nov 13, 2020

🐢 Fix TOML parse panic in newer Rust toolchains ⋯   232564b

quodlibetor added a commit to quodlibetor/materialize that referenced this pull request on Nov 23, 2020

   Update linked-hash-map ⋯   3064858

Xanewok added a commit to paritytech/cargo-unleash that referenced this pull request on Nov 24, 2020

🐢 Fix TOML parse panic in newer Rust toolchains ⋯   2fa15ea

benesch pushed a commit to benesch/materialize that referenced this pull request on Nov 24, 2020

   Update linked-hash-map ⋯   41a8104

ash2x3zb9cy mentioned this pull request on Nov 30, 2020

sccache panic on linked_hash_map::Node being uninitialized mozilla/sccache#875

⊘ Closed

austinjones added a commit to austinjones/ttl_cache that referenced this pull request on Dec 4, 2020

   Require linked-hash-map v0.5.3 (or a newer patch version) ⋯   a2edfc0

austinjones mentioned this pull request on Dec 4, 2020

Require linked-hash-map v0.5.3 (or a newer patch version) stusmall/ttl_cache#22

⊘ Closed

teovoinea mentioned this pull request on Dec 30, 2020

Bump lopdf jrmuizel/pdf-extract#26

⤵ Merged

koba-e964 mentioned this pull request on Jan 14, 2021

Update linked-hash-map (0.5.1 -> 0.5.4) frugalos/frugalos#334

Merged

🗒 4 tasks

🔗 👤 **dywedir** mentioned this pull request on Apr 24, 2021

Crash on init dpc/rdedup#196

⊙ Open

🔗 👤 **dbaynard** mentioned this pull request on Nov 23, 2021

Runtime panic when attempting to run pdfbooklet on input dbaynard/booklet#2

⊙ Closed

Reviewers

👤 Gankra ✓

Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

None yet

5 participants