

New issue

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Remove in-place optimizations of patch and merge #1217

Merged mfelsche merged 4 commits into main from remove_in_place on Sep 15, 2021

Conversation 4 Commits 4 Checks 15 Files changed 25



mfelsche commented on Sep 15, 2021 • edited

Member

Pull request

Description

This PR removes the patch and merge in-place optimizations, as they can lead to memory unsafety.

a script like:

```
# initialize state
let state = match state of
  case null => {}
  default state
end;
let state = merge state of event end;
emit state
```

will happily mutate state and insert values from event, which will no longer be valid after the event is gone, and so allow a view into freed up or reallocated memory via string keys or values. We try to get back to those optimizations in a safer way.

Related

- Related Issues: fixes transmute_in_place functions #1032

Checklist

- ☒ The RFC, if required, has been submitted and approved
- ☒ Any user-facing impact of the changes is reflected in docs.tremor.rs
- ☒ The code is tested
- ☒ Use of unsafe code is reasoned about in a comment
- ☒ Update CHANGELOG.md appropriately, recording any changes, bug fixes, or other observable changes in behavior
- ☒ The performance impact of the change is measured (see below)

Performance

mfelsche added 2 commits last year

Remove patch and merge in_place optimizations. ...

1a2efcd

Add proper state handling to 'tremor run'. ...

3bbb69d



Licenser previously approved these changes on Sep 15, 2021

View changes

Licenser left a comment

Member

Nice catch! 🚀

Update CHANGELOG ...

2f81288

mfelsche dismissed Licenser's stale review via 2f81288 last year



Licenser previously approved these changes on Sep 15, 2021

View changes

coveralls commented on Sep 15, 2021 • edited


Collaborator

coverage 85%


Coverage increased (+0.02%) to 85.244% when pulling 70f7e11 on remove_in_place into bffc2a5 on main.

Add merge in place and patch in place benches ...

70f7e11

×  mfelsche dismissed Licenser's stale review via 70f7e11 last year

🔍  mfelsche marked this pull request as ready for review last year

🔍  mfelsche requested review from anupdhml and darach as code owners last year



darach approved these changes on Sep 15, 2021

[View changes](#)

 darach left a comment


Member

LGTM 👍




Licenser approved these changes on Sep 15, 2021

[View changes](#)

 mfelsche merged commit **ec22294** into `main` on Sep 15, 2021
16 checks passed

[View details](#)

🗑️  mfelsche deleted the `remove_in_place` branch last year

mfelsche commented on Sep 15, 2021 • edited

Member

Author

For performance we see a slight increase for patch and merge with the optimization removed, which is honestly surprising.

📢  mfelsche mentioned this pull request on Sep 16, 2021

Backport Removal of `in_place` optimizations for 0.11 #1218

🔗 Merged

📋 6 tasks

Reviewers

 Licenser

👍 ✓

 darach

👍 ✓

 anupdhml

👍

Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

🔗 [transmute in _in_place functions](#)

4 participants

