New issue

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Add integer overflow check to the malloc wrappers #14408

⑂ Merged   adbridge merged 1 commit into ARMmbed:mbed-os-5.15 from LDong-Arm:malloc_wrapper_fix-5.15 ⧉ on Mar 22, 2021

Conversation 18   Commits 1   Checks 2   Files changed 1

LDong-Arm commented on Mar 10, 2021   Contributor

Summary of changes

Backport of #14407

Add a check that the combined size of the buffer to allocate and `alloc_info_t` does not exceed the maximum integer value representable by `size_t`.

Impact of changes

Migration actions required

Documentation

None.

Pull request type

```
[x] Patch update (Bug fix / Target update / Docs update / Test update / Refactor)
[] Feature update (New feature / Functionality change / New API)
[] Major update (Breaking change E.g. Return code change / API behaviour change)
```

Test results

```
[] No Tests required for this change (E.g docs only update)
[x] Covered by existing mbed-os tests (Greentea or Unittest)
[x] Tests / results supplied as part of this PR
```

Manual check: `malloc(SIZE_MAX)` now fails as expected.

Reviewers

@evedon @donatieng

─○─ Add integer overflow check to the malloc wrappers   ···   ✓ 151ebfc

🏷 **mergify** (bot) added the **Release review required** label on Mar 10, 2021

👁 ciarmcom requested review from **donatieng**, **evedon** and **a team** last year

ciarmcom commented on Mar 10, 2021   Member

@LDong-Arm, thank you for your changes.
@evedon @donatieng @ARMmbed/mbed-os-maintainers please review.

🏷 ciarmcom added the **needs: review** label on Mar 10, 2021

adbridge approved these changes on Mar 10, 2021
View changes

evedon approved these changes on Mar 10, 2021
View changes

🏷 **mergify** (bot) added **needs: CI** and removed **needs: review** labels on Mar 10, 2021

✓ **donatieng** approved these changes on Mar 10, 2021
View changes

🏷 **donatieng** left a comment   Contributor

LGTM, thanks **@LDong-Arm** !

0xc0170 commented on Mar 12, 2021   Member

We should schedule 5.15 jobs after we close the next 6.x release

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mbed-ci commented on Mar 17, 2021

Test run: FAILED

Summary: 1 of 10 test jobs failed
Build number : 1
Build artifacts

Failed test jobs:

- jenkins-ci/mbed-os-ci_greentea-test-lts

LDong-Arm commented on Mar 17, 2021   Contributor   Author

The failures don't look related to this PR, but I can check on my local K64F and DISCO_L475VG_IOT01A (I don't have a NUCLEO_F429ZI).

👍 1

0xc0170 commented on Mar 17, 2021   Member

CI restarted

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mbed-ci commented on Mar 17, 2021

Test run: FAILED

Summary: 1 of 10 test jobs failed
Build number : 2
Build artifacts

Failed test jobs:

- jenkins-ci/mbed-os-ci_greentea-test-lts

🏷 **m** **mergify** `bot` added   **needs: work**   and removed   **needs: CI**   labels on Mar 17, 2021

LDong-Arm commented on Mar 18, 2021 • edited ▾   Contributor   Author

I locally checked on a K64F - the TLS socket test failures have nothing to do with this PR.
It also fails on mbed-os-5.15.6 - did it pass during the previous release? Does this test also exist in the mbed-os-6.x.x release workflow?
If it did pass last time, the failures could be related to the server this test suite talks to?

0xc0170 commented on Mar 22, 2021   Member

CI restarted

🏷 **0xc0170** added   **needs: CI**   and removed   **needs: work**   labels on Mar 22, 2021

👁 **0xc0170** requested a review from **andypowers** last year

🏷 **0xc0170** added the   **release-version: 5.15.7**   label on Mar 22, 2021

✓ **andypowers** approved these changes on Mar 22, 2021

    View changes

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andypowers left a comment

Approved.

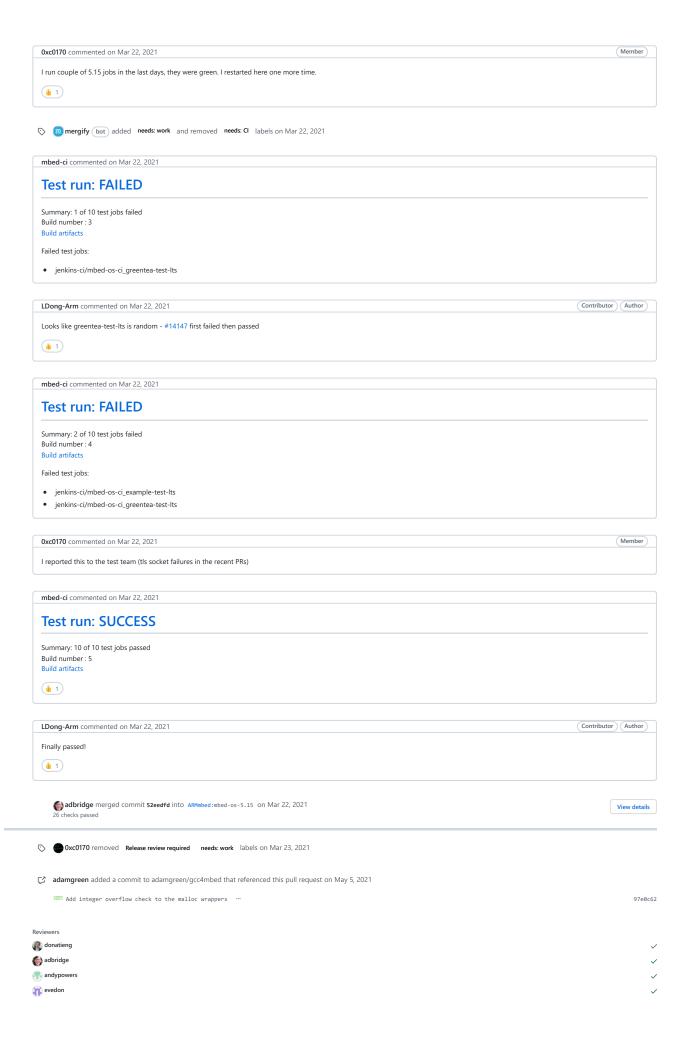**LDong-Arm** commented on Mar 22, 2021   Contributor   Author

> I locally checked on a K64F - the TLS socket test failures have nothing to do with this PR.
> It also fails on mbed-os-5.15.6 - did it pass during the previous release? Does this test also exist in the mbed-os-6.x.x release workflow?
> If it did pass last time, the failures could be related to the server this test suite talks to?

I meant, it's *not* a CI issue because I can reproduce it locally.

0xc0170 commented on Mar 22, 2021 · Member

I run couple of 5.15 jobs in the last days, they were green. I restarted here one more time.

👍 1

🏷️ Ⓜ️ **mergify** (bot) added **needs: work** and removed **needs: CI** labels on Mar 22, 2021

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mbed-ci commented on Mar 22, 2021

Test run: FAILED

Summary: 1 of 10 test jobs failed
Build number : 3
Build artifacts

Failed test jobs:

- jenkins-ci/mbed-os-ci_greentea-test-lts

LDong-Arm commented on Mar 22, 2021 · Contributor Author

Looks like greentea-test-lts is random - #14147 first failed then passed

👍 1

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mbed-ci commented on Mar 22, 2021

Test run: FAILED

Summary: 2 of 10 test jobs failed
Build number : 4
Build artifacts

Failed test jobs:

- jenkins-ci/mbed-os-ci_example-test-lts
- jenkins-ci/mbed-os-ci_greentea-test-lts

0xc0170 commented on Mar 22, 2021 · Member

I reported this to the test team (tls socket failures in the recent PRs)

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mbed-ci commented on Mar 22, 2021

Test run: SUCCESS

Summary: 10 of 10 test jobs passed
Build number : 5
Build artifacts

👍 1

LDong-Arm commented on Mar 22, 2021 · Contributor Author

Finally passed!

👍 1

🔀 **adbridge** merged commit **52eedfd** into **ARMmbed**:mbed-os-5.15 on Mar 22, 2021
26 checks passed

[View details]

🏷️ ⚫ **0xc0170** removed **Release review required** **needs: work** labels on Mar 23, 2021

↗️ **adamgreen** added a commit to adamgreen/gcc4mbed that referenced this pull request on May 5, 2021

📝 Add integer overflow check to the malloc wrappers ···   97e0c62

Reviewers

👤 donatieng   ✓
👤 adbridge   ✓
👤 andypowers   ✓
👤 evedon   ✓

Assignees

No one assigned

Labels

release-version: 5.15.7

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

None yet

8 participants