

nanomq / NanoNNG Public

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* FIX [auth] Fix crash in HTTP auth when using %u/%P with anonymous connections #1394

Merged JaylinYu merged 1 commit into main from moi/fix on Dec 24, 2025

Conversation 7 Commits 1 Checks 15 Files changed 1

RanMaoyi commented on Dec 24, 2025 • edited by coderabbitai Bot Contributor

fixes [nanomq/nanomq#2191](#)

1. Add NULL and empty string checks for req_data in auth_http.c:set_data().
2. Avoid calling strlen(req_data) for GET requests when no effective params are built (e.g. username/password missing).
3. Prevent remotely triggerable SIGSEGV and broker DoS caused by HTTP authentication

Summary by CodeRabbit

- Bug Fixes
 - MQTT authentication requests no longer send empty POST/PUT bodies and no longer append empty query parameters to other HTTP requests.
 - Request and URI construction made more robust to prevent malformed requests and ensure predictable request behavior.

Tip: You can customize this high-level summary in your review settings.

RanMaoyi requested review from JaylinYu, Copilot and wanghaEMQ 4 months ago

coderabbitai Bot commented on Dec 24, 2025 • edited Contributor


Note


Other AI code review bot(s) detected


CodeRabbit has detected other AI code review bot(s) in this pull request and will avoid duplicating their findings in the review comments. This may lead to a less comprehensive review.


▶  Walkthrough

Pre-merge checks and finishing touches

▶  Failed checks (1 warning)


▶  Passed checks (4 passed)

▶  Finishing touches

▶  Recent review details

Comment `@coderabbitai help` to get the list of available commands and usage tips.

  **RanMaoyi** requested a review from **a team** [4 months ago](#)

 **Copilot** [started reviewing](#) on behalf of **RanMaoyi** [4 months ago](#)

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 *This comment was marked as resolved.*

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  **RanMaoyi** [force-pushed](#) the `moi/fix` branch from `d386d2d` to `25780fe` [4 months ago](#)

[Compare](#)

  **RanMaoyi** requested a review from **Copilot** [4 months ago](#)

 **Copilot** [started reviewing](#) on behalf of **RanMaoyi** [4 months ago](#)

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 *This comment was marked as resolved.*

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* FIX [auth] Fix crash in HTTP auth when using %u/%P with anonymous c... [b1b33ed](#)

RanMaoyi force-pushed the `moi/fix` branch from `25780fe` to `b1b33ed` [4 months ago](#) Compare

RanMaoyi requested a review from **Copilot** [4 months ago](#)

Copilot started reviewing on behalf of **RanMaoyi** [4 months ago](#) View session

Copilot (AI) reviewed [on Dec 24, 2025](#)

[View reviewed changes](#)

Copilot (AI) left a comment

Pull request overview

Copilot reviewed 1 out of 1 changed files in this pull request and generated 1 comment.

[Add Copilot custom instructions](#) for smarter, more guided reviews. [Learn how to get started.](#)



src/sp/protocol/mqtt/auth_http.c

Comment on lines +243 to +246

```
243 +     if (req_data && req_data[0] != '\0') {
244 +         nng_http_req_copy_data(
245 +             req, req_data, strlen(req_data));
246 +     }
```

Copilot (AI) [on Dec 24, 2025](#)

The fix correctly prevents crashes when req_data is NULL or empty (e.g., with anonymous connections), but there's no test coverage for this scenario. Consider adding a test case that simulates an anonymous connection (NULL username/password) to ensure this crash scenario is prevented and to avoid regression.


[Copilot](#) uses AI. Check for mistakes.

✓ **JaylinYu** approved these changes [on Dec 24, 2025](#)

[View reviewed changes](#)

 **JaylinYu** merged commit `c20aa27` into `main` [on Dec 24, 2025](#)
8 of 22 checks passed

[View details](#)

 **JaylinYu** deleted the `moi/fix` branch [4 months ago](#)


 **coderrabbitai** (Bot) mentioned this pull request [on Dec 24, 2025](#)

[syncn fix from open source #1399](#)

 Merged

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Reviewers

-  **Copilot** 
-  **JaylinYu** 
-  **wanghaEMQ** 

Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

✓ NanoMQ v0.24.6 HTTP Auth: Missing username/password can trigger a NULL-pointer strlen() in auth_http.c:set_data(), ...

3 participants

