

quarkusio / quarkus Public[Code](#) [Issues](#) 2.4k [Pull requests](#) 300 [Discussions](#) [Actions](#) [Projects](#)[New issue](#)

Memory Leak in Quarkus REST Service if request failed with timeout. #46412

Closed[#46412](#)

Labels

kind/bug

Milestone

3.15.4

Urmel2005 opened on Feb 21, 2025 · edited by Urmel2005

Edits



Describe the bug

we use in our services Quarkus to deliver REST API 's .
Unfortunately we detected a memory leak when the request failed for example caused by timeouts.

Used versions:

Quarkus 3.18.4

javaJDK 17.0.5

mvn 3.8.8

quarkus-resteasy-jackson 3.18.4

I attached a small demo Quarkus Service together with a python script called reproducer_client.py.

Demo project to reproduce memory leak.

1. Start the quarkus service with: `mvn quarkus:dev`
2. Start the python script with: `python reproducer_client.py`
The effect only occurs if the client closes the connection before having received a response. (We use a timeout to mimic that)
If the requests are successful, the memory leak does not occur.
3. Watch Buffer Pools with VisualVM
Pool count increases when the load is high enough.
Allocated buffer pools are never released and not always properly re-used.

The memory leak does not occur if the request is successful. It only occurs with aborted requests. We provide a service with maps and such canceled requests can occur very frequently.

[reproducer.zip](#)

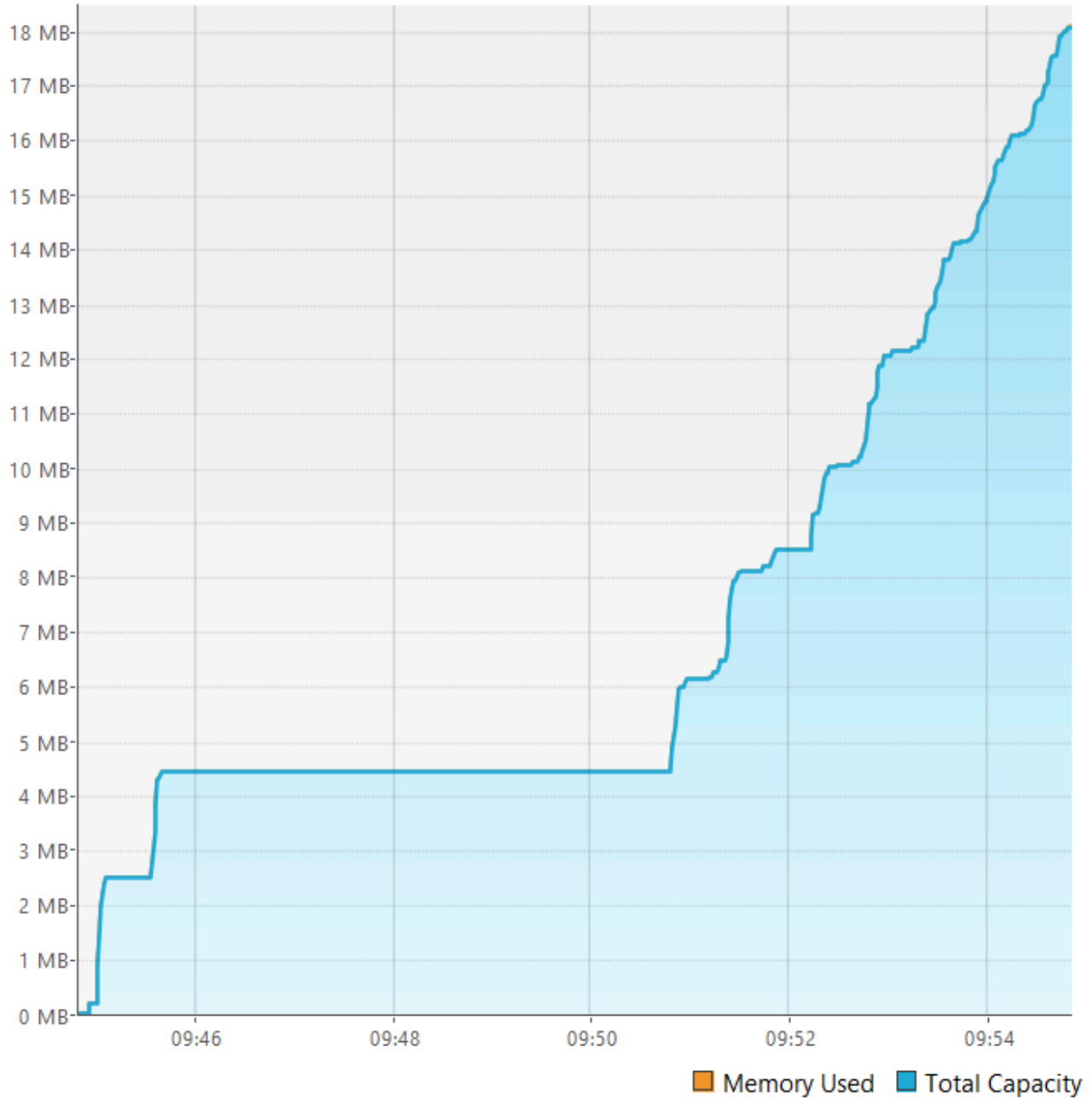
Buffer Pools

Direct x

Memory Used: 18.999.893 B

Total Capacity: 18.999.892 B

Count: 337



Expected behavior

No response

Actual behavior

No response

How to Reproduce?

No response

Output of `uname -a` or `ver`

No response

Output of `java -version`

No response

Mandrel or GraalVM version (if different from Java)

No response

Quarkus version or git rev

No response

Build tool (ie. output of `mvnw --version` or `gradlew --version`)

No response

Additional information

No response



Urmel2005 added **area/native-image** **kind/bug** on Feb 21, 2025



quarkus-bot (bot) on Feb 21, 2025 – with [quarkus-bot](#)



/cc [@Karm](#) (native-image), [@galderz](#) (native-image), [@zakkak](#) (native-image)

geoand added 2 commits that reference this issue [on Feb 21, 2025](#)

Always close OutputStream in RESTEasy Classic

Verified 85552eb

Always close OutputStream in RESTEasy Classic

Verified 4b08b1e

geoand mentioned this [on Feb 21, 2025](#)

[Always close OutputStream in RESTEasy Classic #46419](#)

gsmet added a commit that references this issue [on Feb 21, 2025](#)

Always close OutputStream in RESTEasy Classic

80b8eb4

geoand closed this as [completed](#) in [#46419](#) [on Feb 21, 2025](#)

quarkus-bot added this to the [3.21 - main](#) milestone [on Feb 21, 2025](#)

gsmet added 2 commits that reference this issue [on Feb 21, 2025](#)

Always close OutputStream in RESTEasy Classic

Verified 862ca59

Always close OutputStream in RESTEasy Classic

Verified c667a2a

gsmet mentioned this in 2 pull requests [on Feb 21, 2025](#)

[\[3.8\] Always close OutputStream in RESTEasy Classic #46425](#)

[\[3.15\] Always close OutputStream in RESTEasy Classic #46426](#)

suarkf on Feb 24, 2025

Thank you for the quick fix.
Would it be possible to include this fix also in the current LTS release 3.15.X?

geoand on Feb 24, 2025 Contributor

Yes, we will

1

13 remaining items

Load more



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Metadata

Assignees

No one assigned

Labels

kind/bug

Type

No type

Projects

No projects

Milestone

✔ 3.15.4

Closed on Mar 11, 2025, 100% complete

Relationships

None yet

Development

🔗 Always close OutputStream in RESTEasy Classic
quarkusio/quarkus

📦 3.21.0

Participants



