

quarkusio / quarkus Public[Code](#) [Issues](#) 2.4k [Pull requests](#) 284 [Discussions](#) [Actions](#) [Projects](#)[New issue](#)

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

Closed[#46419](#)

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](#)

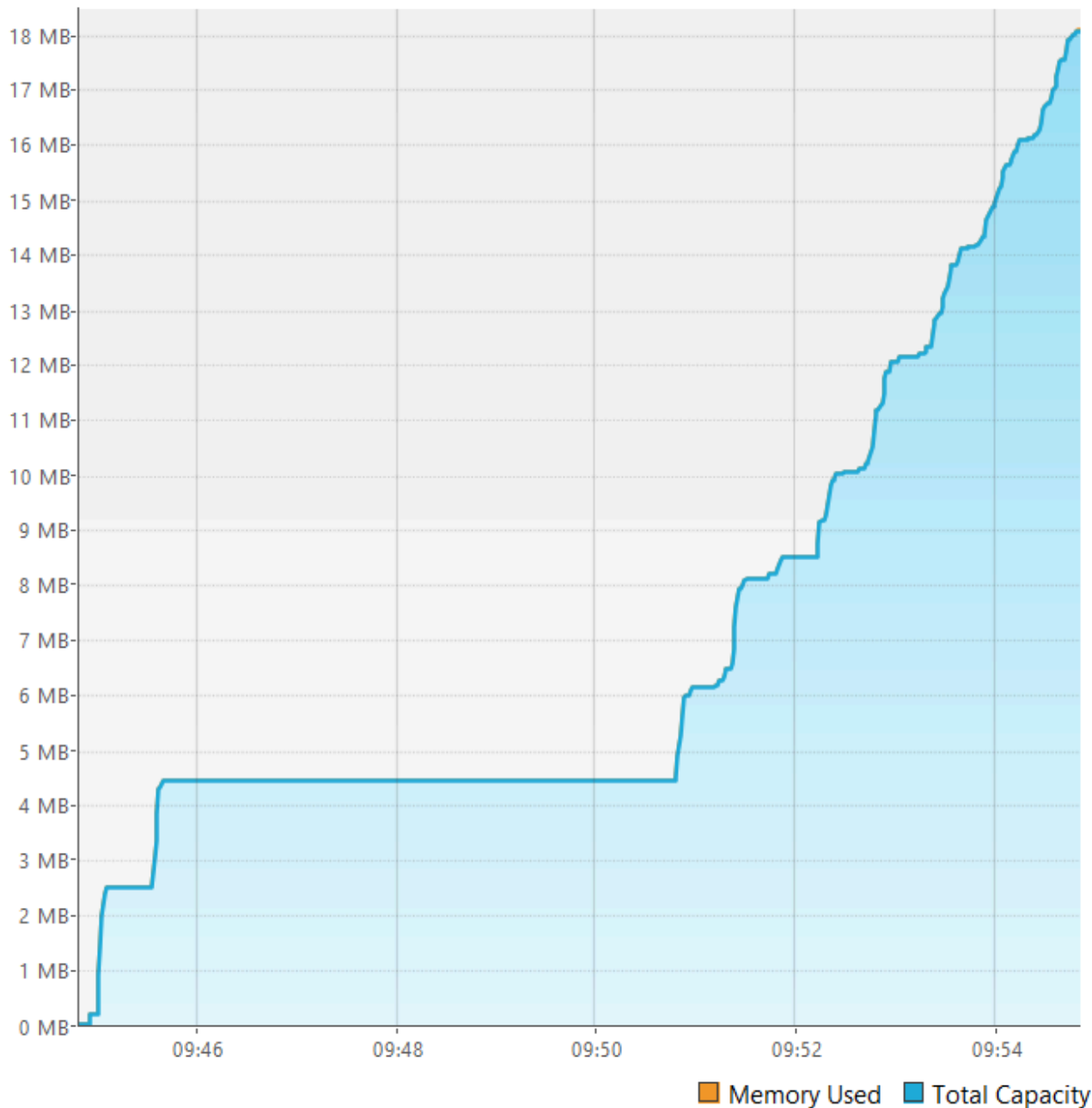
Buffer Pools

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

85552eb

Always close OutputStream in RESTEasy Classic

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

862ca59

Always close OutputStream in RESTEasy Classic

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

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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



