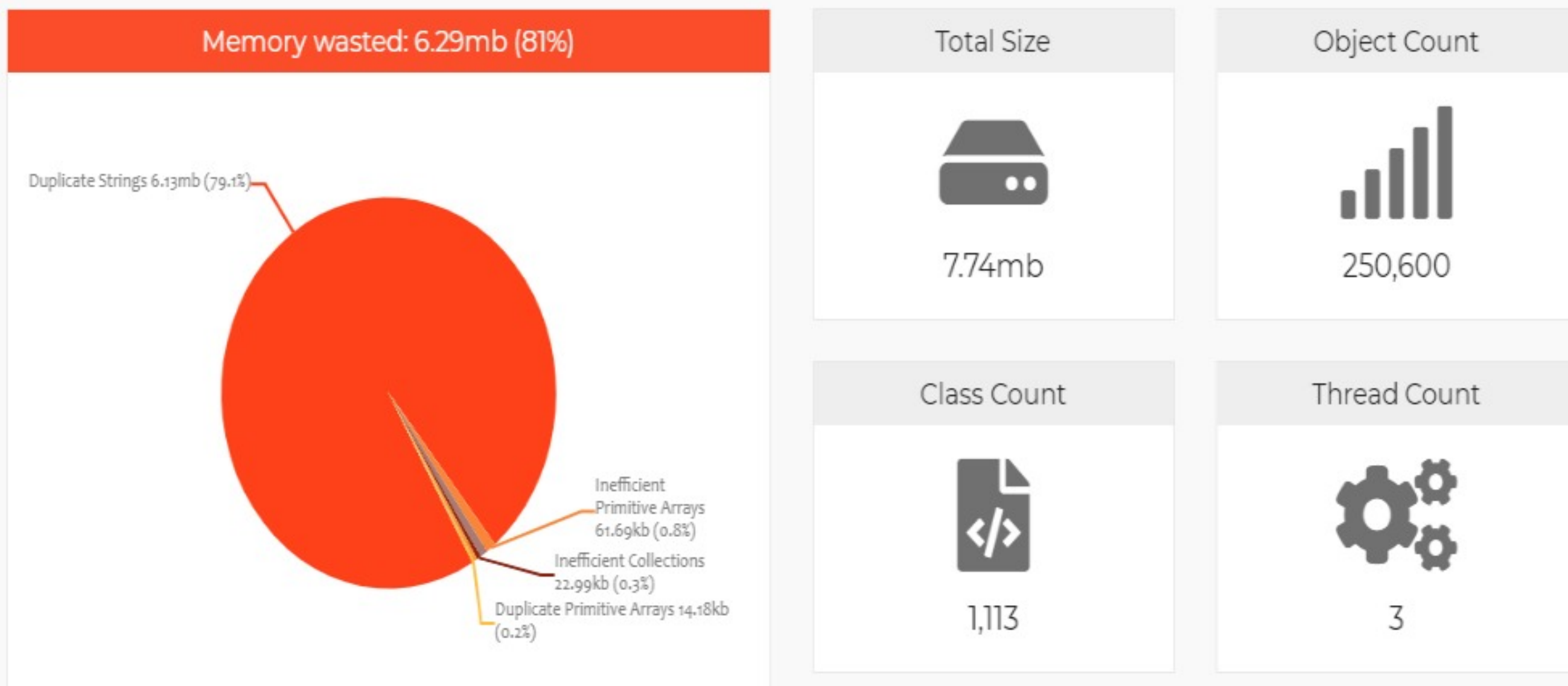


1. Heap Statistics






Learn more about [Heap Statistics](#)



2. What's in your Memory (by class)?

Learn more about [What's in Memory](#)

Class	Percentage	Size	Count
String 	82.3%	6.37mb	203,328

<code>java.util.ArrayList</code> 	<div><div></div>11.9%</div>	942.21kb	63
<code>Object[]</code> 	<div><div></div>0.6%</div>	50.28kb	1,281
<code>java.lang.reflect.Method</code> 	<div><div></div>0.6%</div>	49.16kb	572
<code>char[]</code> 	<div><div></div>0.5%</div>	41.87kb	36,681
<code>byte[]</code> 	<div><div></div>0.3%</div>	25.41kb	42

[Show all records >>](#)

3. Large objects

Learn more about [Large Objects](#)

Name	Percentage	Size
 <code>Java.Static.com.rollingstone.StringDeduplicationExample.myStrings</code>  «Object might be causing memory leak»	<div><div></div>90.7%</div>	7.03mb
<code>Unreachable (garbage) objects</code> 	<div><div></div>1.9%</div>	152.37kb
<code>Java.Static.[java.lang.management.ManagementFactory.platformMBeanServer].Java</code> <code>Local(com.sun.jmx.mbeanserver.JmxMBeanServer)[@ff3edaa8](1 thread(s))</code> 	<div><div></div>1.6%</div>	129.7kb
<code>Java.Static.java.lang.invoke.MethodType.internTable</code> 	<div><div></div>0.5%</div>	39.15kb
<code>Java.Static.sun.management.ManagementFactoryHelper.hsDiagCommandMBean</code> 	<div><div></div>0.4%</div>	28.09kb

... and 798 more objects retaining 211.31kb (2.7%)

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4. Object Headers

Learn more about [Object Headers](#)

Object Header Size



12b

Total size of all headers



2.87mb (37.0%)

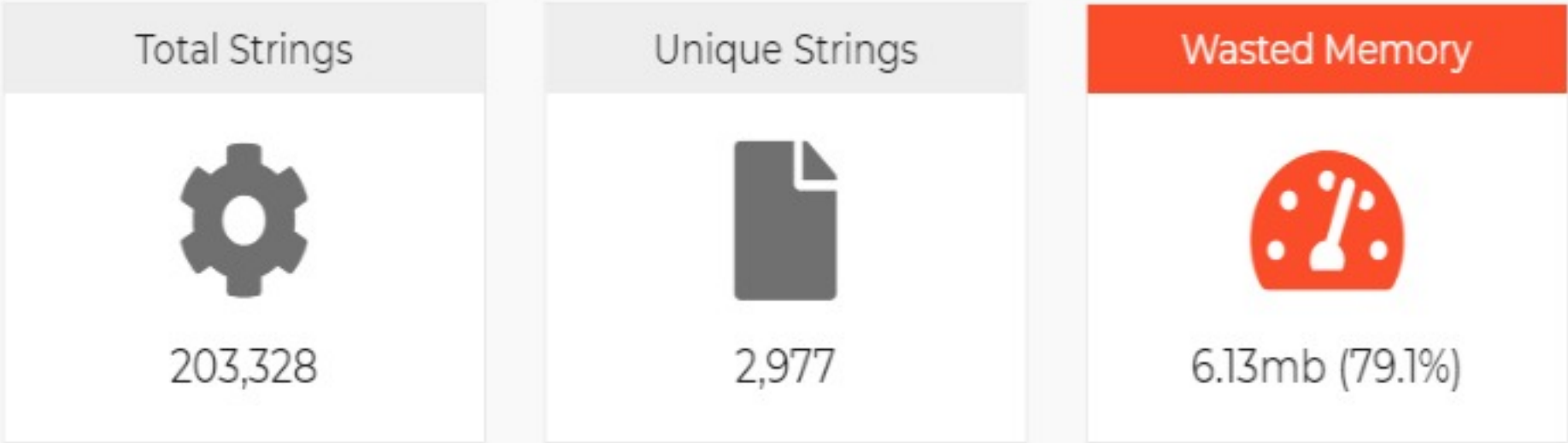
💡 Top Object Headers

Class	Percentage	Total header size	Avg obj size	Count
String	30.1%	233mb	24	203,328
char[]	5.4%	429.86kb	50	36,681
Object[]	0.2%	15.01kb	792	1,281

🔧 How to fix excessive Object headers?

5. Duplicate Strings

Learn more about [Duplicate Strings](#)






Top Duplicate Strings

Duplicate String	Percentage	Wasted	Count
"Hello World-189"	<div><div>0.9%</div></div>	70.24kb	1,000
"Hello World-181"	<div><div>0.9%</div></div>	70.24kb	1,000
"Hello World-183"	<div><div>0.9%</div></div>	70.24kb	1,000
"Hello World-187"	<div><div>0.9%</div></div>	70.24kb	1,000
"Hello World-185"	<div><div>0.9%</div></div>	70.24kb	1,000

[Show all records >>](#)

? Who is holding Duplicate Strings?

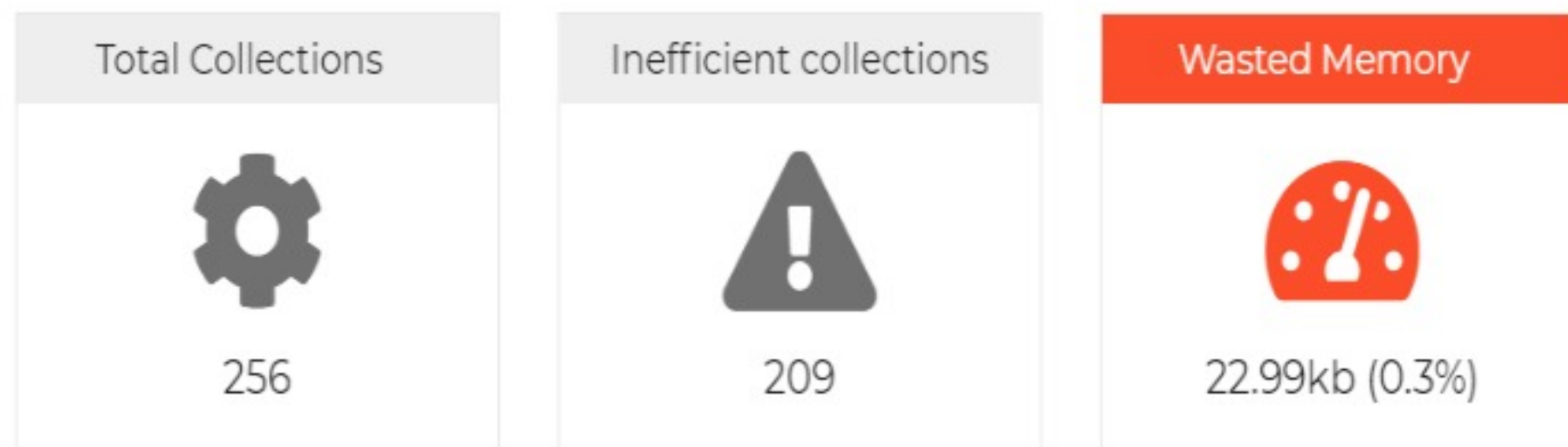
Object Tree	Percentage	size
<code>(LjavaArrayList)</code> 	78.7% <div><div></div></div>	6,241K
<code>sun.managementDiagnosticCommandArgumentInfo.type</code> 	<0.1% <div><div></div></div>	1K
<code>String[]</code> 	<0.1% <div><div></div></div>	1K

🔧 How to fix Duplicate Strings?

Please refer to our [recommendations](#).

6. Inefficient collections

Learn more about [Inefficient Collections](#)



? Who is holding Inefficient Collections?

🔧 Who is holding inefficient collections?

Object Tree	Percentage	size
ju.WeakHashMap\$Entry.value 🔗	<0.1%	1K
java.lang.management.PlatformComponent.keyProperties 🔗	<0.1%	960b
com.sun.jmx.mbeanserver.PerInterface.setters 🔗	<0.1%	808b

🔧 How to fix Inefficient Collections?

Please refer to our [recommendations](#).

7. Inefficient Object Arrays

Learn more about [Inefficient Object Arrays](#)



💡 Top inefficient Object Arrays

Object	Percentage	Wasted
--------	------------	--------

Problem	Percentage	Wasted
18% of Object[] contains no elements	0.1%	9.49kb

? Who is holding Inefficient Object Arrays?


Object Tree	Percentage	size
Unreachable (garbage) objects	0.2%	17K
sun.nio.cs.StandardCharsets\$Aliases.ht	<0.1%	3K
java.lang.invoke.MethodTypeFormLambdaForms	<0.1%	1K

🔧 How to fix Inefficient Object Arrays?

Please refer to our [recommendations](#).

8. Inefficient Primitive Arrays

Learn more about [Inefficient Primitive Arrays](#)

Total Primitive Arrays	Inefficient Primi Arrays	Wasted Memory
 37,007	 280	 61.69kb (0.8%)

💡 Top inefficient Primitive Arrays

Problem	Percentage	Wasted
7% of byte[] contains no elements	0.2%	16.17kb
< 0.1% of char[] contains lot of 0s	0.2%	16.05kb
< 0.1% of char[] contains no elements	0.2%	16.02kb
64% of byte[] contains lot of 0s	0.1%	8.09kb

❓ Who is holding Inefficient Primitive Arrays?

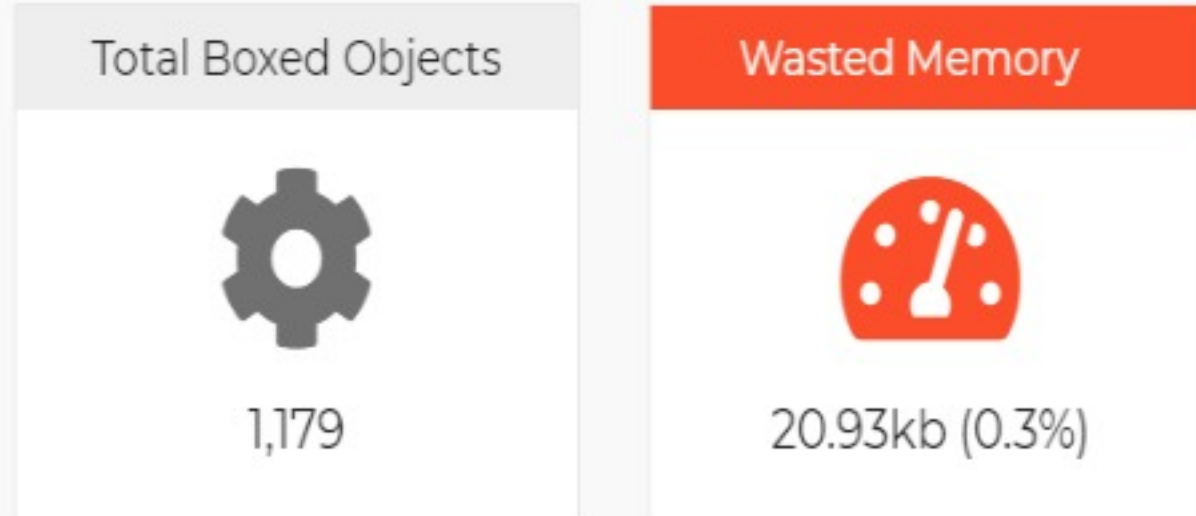
Object Tree	Percentage	size
java.io.BufferedWriter cb 🔗	0.4%	31K
java.nio.HeapByteBuffer hb 🔗	0.2%	15K
java.io.BufferedInputStream buf 🔗	0.1%	8K


🔧 How to fix Inefficient Primitive Arrays?




Please refer to our [recommendations](#).

9. Boxed Numbers

Learn more about [Boxed Numbers](#)



 Who is holding Boxed Numbers?

Object Tree	Percentage	size
<code>jLong[]</code> 	<0.1% <div></div>	4K
<code>jByte[]</code> 	<0.1% <div></div>	4K
<code>jShort[]</code> 	<0.1% <div></div>	4K

 How to fix Boxed Numbers?

Please refer to our [recommendations](#).

10. Duplicate Objects

Not Detected

11. Duplicate Primitive Arrays

Learn more about [Duplicate Primitive Arrays](#)

Total Duplicate Arrays



264

Wasted Memory



14.18kb (0.2%)

☰ Types of Duplicate Arrays

Array Type	Percentage	Wasted	Duplicate Count
byte[]	0.1% <div></div>	8.61kb	26
int[]	<0.1% <div></div>	4.98kb	230
short[]	<0.1% <div></div>	560b	7
char[]	<0.1% <div></div>	48b	1
boolean[]	0.0% <div></div>	n/a	0

[Show all records >>](#)

💡 Top Duplicate Arrays

Duplicate Array	Percentage	Wasted	Count
byte[8192](0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ...)	0.1%	8.02kb	2
int[0]()	<0.1%	2.73kb	176
short[32](0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ...)	<0.1%	560b	8
int[32](0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ...)	<0.1%	432b	4
int[2](1, 0)	<0.1%	264b	12

[Show all records >>](#)

❓ Who is holding Duplicate Arrays?

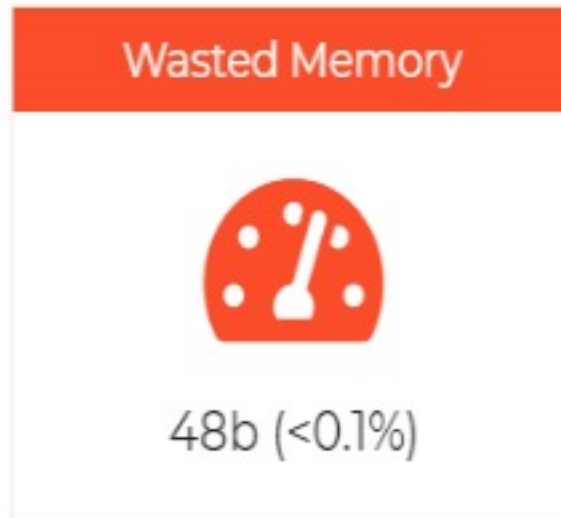
Object Tree	Percentage	size
java.io.BufferedInputStream buf 🔗	<0.1%	4K
java.nio.HeapByteBuffer hb 🔗	<0.1%	4K
Unreachable (garbage) objects 🔗	<0.1%	2K

🔧 How to fix Duplicate Arrays?

Please refer to our [recommendations](#)

12. Objects waiting for Finalization

Learn more about [Objects waiting for Finalization](#)



❓ What are the objects waiting for finalization?

To see objects waiting for finalization, [click here](#) 

🔧 How to fix objects waiting for finalization?

Please refer to our [recommendations](#)

13. Threads

Learn more about [Threads](#)



14. Heap settings

Learn more about [Heap Settings](#)

No major recommendations.

15. System Properties

Learn more about [System Properties](#)

Key	Value
awt.toolkit	sun.awt.windows.WToolkit
file.encoding	Cp1252
file.encoding.pkg	sun.io
file.separator	\
java.awt.graphicsenv	sun.awt.Win32GraphicsEnvironment

[Show all records >>](#)