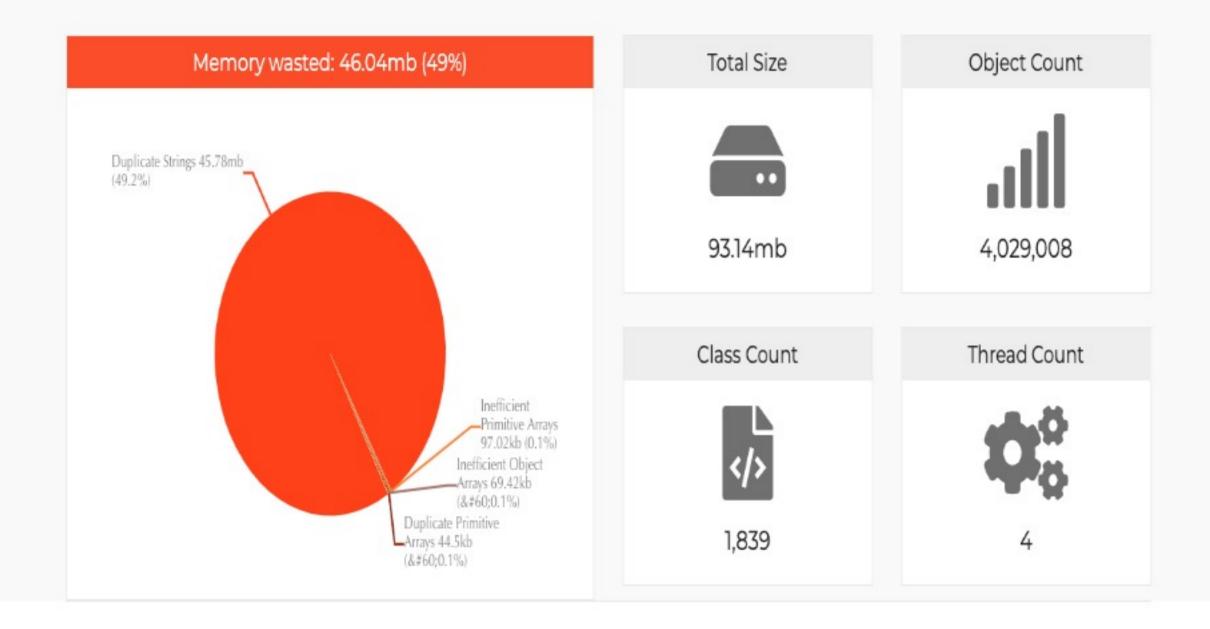
# 1. Heap Statistics

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. 2	49.7%	46.31mb	2,006,968

scala.collection.immutable.\$colon.\$colon.	49.1%	45.78mb	2,000,000
int[][]	0.3%	270.3kb	650
byte][3	0.2%	205.79kb	500

# 3. Large objects

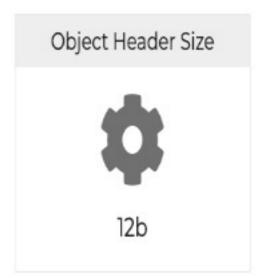
Learn more about Large Objects

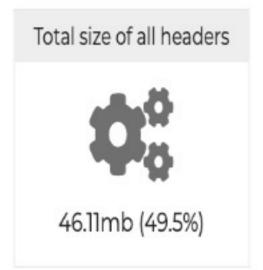
Name	Percentage	Size
Java Static_ray.dedup.App\$.str 🗹  «Object might be causing memory leak»	98.3%	91.6mb
Unreachable (garbage) objects 🗹	0.4%	343.88kb
Java Static sun Jauncher. Launcher Helper. scloader 🗹	0.2%	183.23kb
lava Static sun util calendar Zoneln fo File rule Array 🗹	0.1%	99.53kb
and 2632 more objects retaining 885.61kb (0.9%)		

#### 4 Object Headers

4. Object neaders

Learn more about Object Headers





### ▼ Top Object Headers

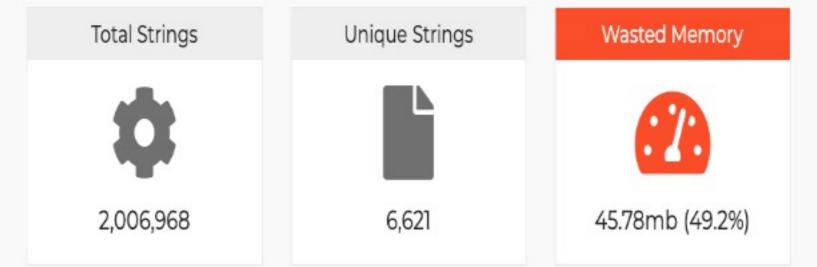
Class	Percentage	Total header size	Avg obj size	Count
String	24.7%	22.97mb	24	2,006,968
scala.collection.immutable.\$colon\$colon	24.6%	22.89mb	24	2,000,000

How to fix excessive Object headers?

Please refer to our recommendations.

# 5. Duplicate Strings

Learn more about Duplicate Strings



### ▼ Top Duplicate Strings

Duplicate String	Percentage	Wasted	Count
"Hello World-970"	<0.1%	46.85kb	2,000
"Hello World-8"	<0.1%	46.85kb	2,000
"Hello World-621"	<0.1%	46.85kb	2,000
"Hello World-846"	<0.1%	46.85kb	2,000
"Hello World-85"	<0.1%	46.85kb	2,000

#### Show all records >>

### Who is holding Duplicate Strings?

Object Tree	Percentage	size
scala.collection.immutable.\$colon.\$colon.head. 2	49.1%	46,851K
{juHashSet}☑	<0.1%	4K

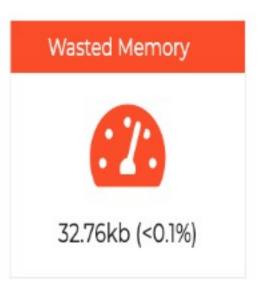
Please refer to our recommendations.

### 6. Inefficient collections

Learn more about Inefficient Collections







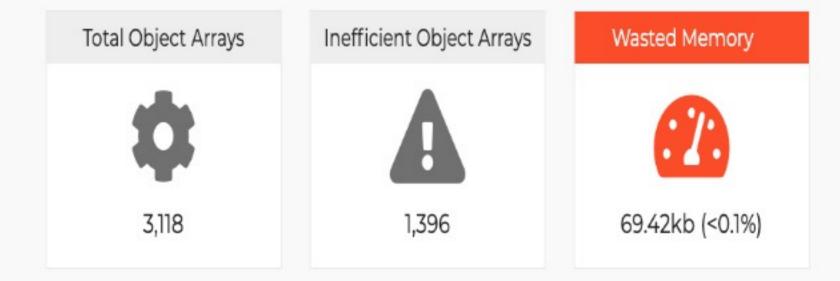
### ? Who is holding Inefficient Collections?

Object Tree	Percentage	size
javautiljar Attributes map 🗹	<0.1%	3K
(juHashMap}values.☑	<0.1%	2K
ch.qos.logback.core.joran.spi.FlementSelector.partl.ist 🗹	<0.1%	2K



# 7. Inefficient Object Arrays

Learn more about Inefficient Object Arrays

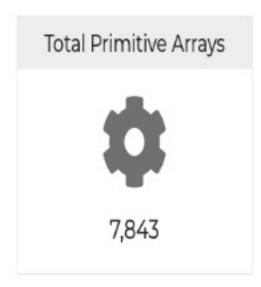


### ? Who is holding Inefficient Object Arrays?

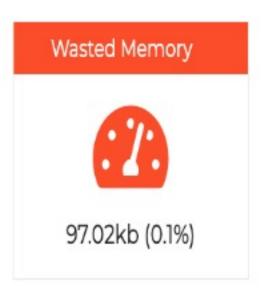
Object Tree	Percentage	size
static scala.math.BigInt\$.cache.	<0.1%	8K
javalang.invoke.MethodTypeForm.lambdaForms. 2	<0.1%	4K
sun.nio.cs.StandardCharsets\$Aliases.ht 2	<0.1%	3K

# 8. Inefficient Primitive Arrays

Learn more about Inefficient Primitive Arrays







### Who is holding Inefficient Primitive Arrays?

Object Tree	Percentage	size
javaio.BufferedWriter.cb 🗹	<0.1%	32K
java.nio.HeapByteBuffer.hb. 🗹	<0.1%	16K
com.sun.xml.internal.stream.util.BufferAllocator.largeCharBuffer 🗹	<0.1%	13K

How to fix Inefficient Primitive Arrays?

### 9. Boxed Numbers

Learn more about **Roxed Numbers** 

Not Detected

# 10. Duplicate Objects

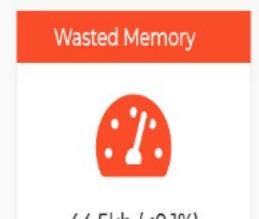
Learn more about Duplicate Objects

Not Detected

# 11. Duplicate Primitive Arrays

Learn more about <u>Duplicate Primitive Arrays</u>

Total Duplicate Arrays



556 44.5KD (<0.1%)

### **≡** Types of Duplicate Arrays

Array Type	Percentage	Wasted	Duplicate Count
byte[]	<0.1%	17.16kb	43
char[]	<0.1%	16.95kb	12
int[]	<0.1%	9.48kb	484
short[]	<0.1%	576b	8
boolean[]	<0.1%	320b	6

#### 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	<0.1%	16.03kb	3
char[8192](, .,,,,,_)	<0.1%	16.02kb	2
int[0]()	<0.1%	6.41kb	411
short[32](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	<0.1%	432b	4

#### Show all records >>

Who is holding Duplicate Arrays?

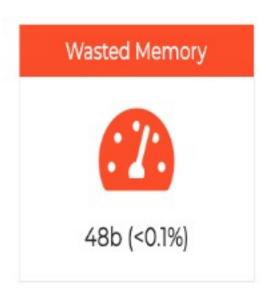
Object Tree	Percentage	size
java.io.BufferedWriter.cb. 2	<0.1%	16K
java.nio.HeapByteBuffer.hb. 🗹	<0.1%	10K
java io BufferedInputStream.buf 🗹	<0.1%	5K

How to fix Duplicate Arrays?

Please refer to our recommendations.

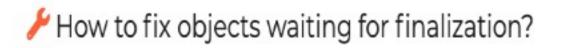
# 12. Objects waiting for Finalization

Learn more about Objects waiting for Finalization



? What are the objects waiting for finalization?

To see objects waiting for finalization, clickhere 2



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
awttoolkit	sun.awtX11.XToolkit
file.encoding	UTF-8
file.encoding.pkg	sun.io
file.separator	1
java.awt.graphicsenv	sun.awtX11GraphicsEnvironment

Show all records >>