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

Learn more about What's in Memory

Class	Percentage	Size	Count
String	50.8%	104.93mb	1,354,264
byte[]	9.0%	18.65mb	1,633,106
bisq.core.trade.statistics.TradeStatistics2	5.1%	10.51mb	105,934
j.u.LinkedHashMap	4.6%	9.51mb	55,557
java.util.concurrent.ConcurrentHashMap	3.5%	7.3mb	439
j.u.HashSet	3.1%	6.39mb	1,230

Show all records >>

3. Large objects

Learn more about Large Objects

Name	Percentage	Size
Java Static bisq.desktop.main.MainView.rootContainer	44.7%	92.46mb

<<Object might be causing memory leak.>>		
Java Static java.lang.ApplicationShutdownHooks.hooks <<Object might be causing memory leak.>>	42.9%	88.68mb
Java Static org.apache.commons.logging.LogFactory.thisClassLoader	1.8%	3.7mb
Unreachable (garbage) objects	1.3%	2.6mb
Java Static com.sun.javafx.css.StyleManager$InstanceHolder.INSTANCE	0.9%	1.93mb
... and 17734 more objects retaining 7.35mb (3.6%)		

Show all records >>

4. Object Headers

Learn more about Object Headers

Object Header Size	Total size of all headers
12b	62.33mb (30.1%)

Top Object Headers

Class	Percentage	Total header size	Avg obj size	Count

byte[]	9.0%	18.69mb	59	1,633,106
String	7.5%	15.5mb	24	1,354,264
j.u.HashMap$Node	1.2%	2.46mb	32	214,845
java.util.concurrent.ConcurrentHashMap$Node	1.0%	2.15mb	32	188,188
bisq.network.p2p.storage.P2PDataStorage$ByteArray	0.9%	1.82mb	16	158,821

Show all records >>

How to fix excessive Object headers?

To see our recommendations, please purchase Enterprise Edition.

5. Duplicate Strings

Learn more about Duplicate Strings

Not Detected

6. Inefficient collections

Learn more about Inefficient Collections

Total Collections	Inefficient collections	Wasted Memory
74,822	71,961	11.14mb (5.4%)

Top inefficient collections

Problem	Percentage	Wasted
99% of j.u.LinkedHashMap contains 1 element only	4.5%	9.25mb
7% of java.util.concurrent.ConcurrentHashMap contains half empty elements	0.3%	693.56kb
39% of j.u.ArrayList contains 1 element only	0.2%	324.82kb

Who is holding Inefficient Collections?

Object Tree	Percentage	size
com.google.protobuf.MapField$MutatabilityAwareMap.delegate	4.4%	9,398K
bisq.core.trade.statistics.TradeStatistics2Store.map	0.3%	610K
jdk.internal.loader.ClassLoaders$PlatformClassLoader.parallelLockMap	<0.1%	36K

How to fix Inefficient Collections?

To see our recommendations, please purchase Enterprise Edition.

7. Inefficient Object Arrays

Learn more about Inefficient Object Arrays

Total Object Arrays	Inefficient Object Arrays	Wasted Memory
168,360	31,144	858.77kb (0.4%)

Who is holding Inefficient Object Arrays?

Object Tree	Percentage	size
org.spongycastle.math.ec.custom.sec.SecP256K1Point.zs	<0.1%	95K
java.lang.reflect.Method.parameterTypes	<0.1%	68K
java.lang.reflect.Method.parameterTypes	<0.1%	60K

How to fix Inefficient Object Arrays?

To see our recommendations, please purchase Enterprise Edition.

8. Inefficient Primitive Arrays

Learn more about Inefficient Primitive Arrays

Total Primitive Arrays	Inefficient Primi Arrays	Wasted Memory
1,658,530	12,057	2.74mb (1.3%)

Top inefficient Primitive Arrays

Problem	Percentage	Wasted
< 0.1% of byte[] contains lot of 0s	0.7%	1.44mb
2% of float[] contains lot of 0s	0.2%	472.68kb

Who is holding Inefficient Primitive Arrays?

Object Tree	Percentage	size
java.nio.HeapByteBuffer.hb	0.5%	982K
com.sun.prism.impl.VertexBuffer.coordArray	0.2%	440K
byte[]	0.2%	381K

How to fix Inefficient Primitive Arrays?

To see our recommendations, please purchase Enterprise Edition.

9. Boxed Numbers

Learn more about Boxed Numbers

Not Detected

10. Duplicate Objects

Learn more about Duplicate Objects

Not Detected

11. Duplicate Primitive Arrays

Learn more about Duplicate Primitive Arrays

Total Duplicate Arrays	Wasted Memory
925,022	42.49mb (20.5%)

Types of Duplicate Arrays

Array Type	Percentage	Wasted	Duplicate Count
byte[]	20.2%	41.8mb	912,104
int[]	0.2%	525.18kb	9,305
long[]	<0.1%	141.19kb	3,108
char[]	<0.1%	9.7kb	145
double[]	<0.1%	9.38kb	107

Show all records >>

Top Duplicate Arrays

Duplicate Array	Percentage	Wasted	Count
byte[3]('B', 'T', 'C')	1.2%	2.43mb	106,003
byte[12]('B', 'L', 'O', 'C', 'K', '_', 'C', 'H', 'A', 'I', 'N', 'S')	0.5%	1.03mb	33,727
byte[7]('a', 'r', 'b', 'A', 'd', 'd', 'r')	0.4%	796.5kb	33,985

byte[3]('E', 'U', 'R')	0.3%	725.6kb	30,960
byte[3]('X', 'M', 'R')	0.3%	699.7kb	29,855

Show all records >>

Who is holding Duplicate Arrays?

Object Tree	Percentage	size
bisq.core.dao.monitoring.model.DaoStateHash.hash	0.4%	881K
bisq.core.dao.monitoring.model.DaoStateHash.prevHash	0.4%	881K
bisq.core.account.sign.SignedWitness.signerPubKey	0.3%	532K
bisq.core.account.sign.SignedWitness.witnessOwnerPubKey	0.2%	418K

How to fix Duplicate Arrays?

To see our recommendations, please purchase Enterprise Edition.

12. Objects waiting for Finalization

Learn more about Objects waiting for Finalization

Wasted Memory

48b (<0.1%)

What are the objects waiting for finalization?

To see objects waiting for finalization, click here.

How to fix objects waiting for finalization?

To see our recommendations, please purchase Enterprise Edition.

13. Threads

Learn more about Threads

To view all threads stacktrace click here.

14. Heap settings

Learn more about Heap Settings

No major recommendations.

15. System Properties

Learn more about System Properties

Not Report in the Heap dump.