

## windows10平台:

```
[arthas@14452]$ vmtool -a heapAnalyze --classNum 5 --objectNum 5 --backtraceNum 10
```

```
class_number: 4129
```

```
object_number: 116045
```

id	#bytes	class_name & references
1	209715216	byte[] <-- ByteHolder <-- root(local variable in method: sleep)
2	104857616	byte[] <-- ByteHolder <-- root(local variable in method: main)
3	524304	char[] <-- java.lang.Object[] <-- java.util.concurrent.ArrayBlockingQueue <-- com.taobao.arthas.core.shell.term.impl.http.api.HttpApiHandler <-- com.taobao.arthas.core.server.ArthasBootstrap <-- java.lang.Class <-- root
4	524304	char[] <-- java.lang.Object[] <-- java.util.concurrent.ArrayBlockingQueue <-- com.taobao.arthas.core.shell.term.impl.http.api.HttpApiHandler <-- com.taobao.arthas.core.server.ArthasBootstrap <-- java.lang.Class <-- root
5	524304	char[] <-- java.lang.Object[] <-- java.util.concurrent.ArrayBlockingQueue <-- com.taobao.arthas.core.shell.term.impl.http.api.HttpApiHandler <-- com.taobao.arthas.core.server.ArthasBootstrap <-- java.lang.Class <-- root

id	#instances	#bytes	class_name
1	6574	323552728	byte[]
2	22582	5945080	char[]
3	1891	822600	int[]
4	2956	637712	java.lang.Object[]
5	22214	533136	java.lang.String

## linux平台:

```
[arthas@5244]$ vmtool -a heapAnalyze --classNum 3 --objectNum 3 --backtraceNum 5
```

```
class_number: 4096
```

```
object_number: 107597
```

id	#bytes	class_name & references
1	209715216	byte[] <-- ByteHolder <-- root(local variable in method: sleep)
2	104857616	byte[] <-- ByteHolder <-- root(local variable in method: main)
3	524304	char[] <-- java.lang.Object[] <-- java.util.concurrent.ArrayBlockingQueue <-- com.taobao.arthas.core.shell.term.impl.http.api.HttpApiHandler <-- com.taobao.arthas.core.server.ArthasBootstrap <-- java.lang.Class <-- root

id	#instances	#bytes	class_name
1	7034	327112192	byte[]
2	20523	5704616	char[]
3	2937	631096	java.lang.Object[]

## linux平台(dacapo应用):

```
[arthas@6504]$ vmtool -a heapAnalyze --classNum 5 --objectNum 10 --backtraceNum
-1
class_number: 4520
object_number: 5293587
```

id	#bytes	class_name & references
1	2097168	java.lang.Object[] <-- org.h2.util.ObjectArray <-- org.h2.index.ScanIndex <-- org.h2.table.TableData <-- org.h2.constraint.ConstraintReferential <-- java.lang.Object[] <-- org.h2.util.ObjectArray <-- org.h2.table.TableData <-- org.h2.constraint.ConstraintReferential <-- java.lang.Object[] <-- org.h2.util.ObjectArray <-- org.h2.table.TableData <-- org.h2.constraint.ConstraintReferential <-- java.lang.Object[] <-- org.h2.util.ObjectArray <-- org.h2.table.TableData <-- org.h2.constraint.ConstraintReferential <-- java.lang.Object[] <-- org.h2.util.ObjectArray <-- org.h2.table.TableData <-- java.util.HashMap\$Node <-- - java.util.HashMap\$Node[] <-- java.util.HashMap <-- org.h2.schema.Schema <-- org.h2.engine.Database <-- root(local variable in method: executeUpdate)
2	524304	char[] <-- java.lang.Object[] <-- java.util.concurrent.ArrayBlockingQueue <-- com.taobao.arthas.core.shell.term.impl.http.api.HttpApiHandler <-- com.taobao.arthas.core.server.ArthasBootstrap <-- java.lang.Class <-- root
3	524304	byte[] <-- java.lang.Class <-- root
4	524304	char[] <-- java.lang.Object[] <-- java.util.concurrent.ArrayBlockingQueue <-- com.taobao.arthas.core.shell.term.impl.http.api.HttpApiHandler <-- com.taobao.arthas.core.server.ArthasBootstrap <-- java.lang.Class <-- root
5	524304	char[] <-- java.lang.Object[] <-- java.util.concurrent.ArrayBlockingQueue <-- com.taobao.arthas.core.shell.term.impl.http.api.HttpApiHandler <-- com.taobao.arthas.core.server.ArthasBootstrap <-- java.lang.Class <-- root
6	524304	char[] <-- java.lang.Object[] <-- java.util.concurrent.ArrayBlockingQueue <-- com.taobao.arthas.core.shell.term.impl.http.api.HttpApiHandler <-- com.taobao.arthas.core.server.ArthasBootstrap <-- java.lang.Class <-- root
7	524304	char[] <-- java.lang.Object[] <-- java.util.concurrent.ArrayBlockingQueue <-- com.taobao.arthas.core.shell.term.impl.http.api.HttpApiHandler <-- com.taobao.arthas.core.server.ArthasBootstrap <-- java.lang.Class <-- root

```

8      524304      java.lang.Object[] <-- org.h2.util.ObjectArray <--
org.h2.index.ScanIndex <-- org.h2.table.TableData <--
org.h2.constraint.ConstraintReferential <-- java.lang.Object[] <--
org.h2.util.ObjectArray <-- org.h2.table.TableData <--
org.h2.constraint.ConstraintReferential <-- java.lang.Object[] <--
org.h2.util.ObjectArray <-- org.h2.table.TableData <--
org.h2.constraint.ConstraintReferential <-- java.lang.Object[] <--
org.h2.util.ObjectArray <-- org.h2.table.TableData <--
org.h2.constraint.ConstraintReferential <-- java.lang.Object[] <--
org.h2.util.ObjectArray <-- org.h2.table.TableData <-- java.util.HashMap$Node <-
- java.util.HashMap$Node[] <-- java.util.HashMap <-- org.h2.schema.Schema <--
org.h2.engine.Database <-- root(local variable in method: executeUpdate)
9      524304      char[] <-- java.lang.Object[] <--
java.util.concurrent.ArrayBlockingQueue <--
com.taobao.arthas.core.shell.term.impl.http.api.HttpApiHandler <--
com.taobao.arthas.core.server.ArthasBootstrap <-- java.lang.Class <-- root
10     524304      char[] <-- java.lang.Object[] <--
java.util.concurrent.ArrayBlockingQueue <--
com.taobao.arthas.core.shell.term.impl.http.api.HttpApiHandler <--
com.taobao.arthas.core.server.ArthasBootstrap <-- java.lang.Class <-- root

```

id	#instances	#bytes	class_name
1	542333	43386640	org.h2.result.Row
2	542729	36854984	org.h2.value.Value[]
3	1062110	33987520	org.h2.index.TreeNode
4	450270	26855120	char[]
5	978333	15653328	org.h2.value.ValueStringFixed