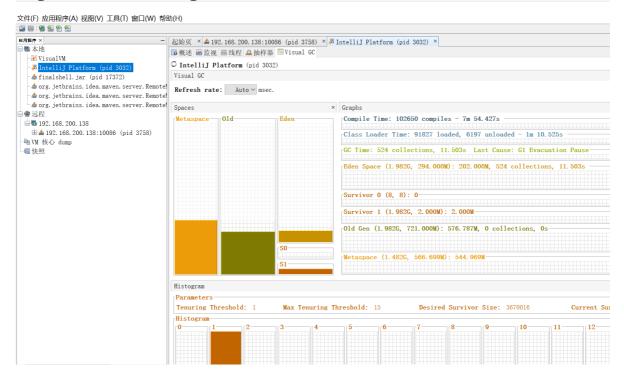
1 jvisualvm/jconsol



案例1 死锁问题定位

```
java -jar ytao-springboot-demo.jar
```

http://localhost:8070/user/getUser/3

http://localhost:8070/user/testlock

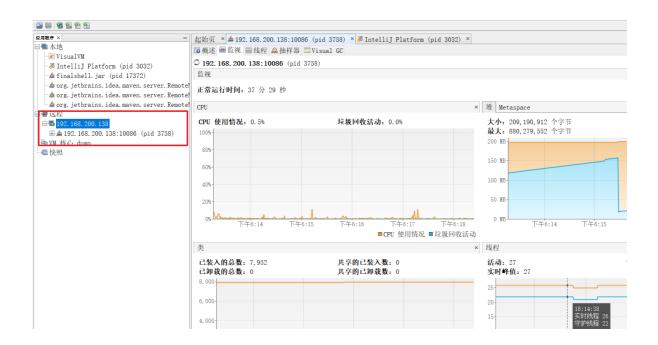
案例2 oom 内存溢出案例

```
java -jar -Xmx128m -Xms128m -XX:+HeapDumpOnOutOfMemoryError ytao-springboot-demo.jar
```

http://localhost:8070/user/testMemory

2线上监控

```
java -Djava.rmi.server.hostname=192.168.200.138 -
Dcom.sun.management.jmxremote.port=10086 \
-Dcom.sun.management.jmxremote.ssl=false -
Dcom.sun.management.jmxremote.authenticate=false \
-jar ytao-springboot-demo.jar
```



http://192.168.200.138:8070/user/testlock

http://192.168.200.138:8070/user/testMemory

3 命令行监控

ps -ef|grep java jstack pid jstack -l pid 内存监控 jmap -dump:format=b,file=/root/my.dump 34739 垃圾回收 jstat -gc pid 进程高的线程 top -Hp pid

4阿里arthas监控

5 Prometheus+grafana集成监控

Spring Boot(java) 集成 Prometheus https://blog.51cto.com/u 1472521/3714457

http://192.168.200.138:8070/actuator/prometheus

grafana 模板 4701

