

# Java in **Production**

#### Speaker's Profile

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# Agenda

- Preventive steps before Production
- Different logging options
- General issues in Production
- Fixing vs Resolving
- Give back to Java Team



# Preventive steps before Production

- Fed-up before Production
- A man of Consequences
- Clash of Coders
- Dependencies on other modules
- Early bird Access



### Common Mistakes in Development

- I like "Coding" No Use of existing Libraries
- Its my code, no one can analyze it better than me.
- I am 10 year experienced programmer and I will use what came in the language at my time.
- The base product is awesome and can't be buggy.
- I should not understand those part which Language do it for me.



### **Examples for You**

 I want to write an intersection code for my file comparison :-

```
for (T t : list1) { if(list2.contains(t)) { list.add(t); } }
c1.retainAll(c2)
```

Educate yourself, follow what interests you

```
Pair<String, Integer> p1 = new OrderedPair<String, Integer>("Even", 8);
OrderedPair<String, Integer> p1 = new OrderedPair<>("Even", 8);
```



# Rationale Judgment

- Trivial Problems are trivial if solved ...
  - If it's a memory leak, analyze and fix it. Its simple.
  - Fixing an issue in production costs 25 times more than development phase (and better sleep as well)



#### Be aware of ...

- Be aware of impact of these codes
  - Concurrent code
  - Resource allocation and de-allocation
  - Native code, if any
  - Hot codes
  - IsNullable codes
  - Exceptions



### VM arg for Postmortem

-XX:+UseGCLogFileRotation -XX:NumberOfGCLogFiles=10 -XX:GCLogFileSize=100M Makes GC analysis easier and protect disk. -XX:+HeapDumpOnOutOfMemoryError -XX:HeapDumpPath=<path to dump>`date`.hprof Oh OOM, how? -XX:+PrintGCDateStamps -verbose:gc -XX:+PrintGCDetails -Xloggc:"<path to log>" • Good to log GC details. -client, -server, -d64, UseCompressedOops ?? . Leave it Type of GC - Select as business demands. Learn how to do OR Pay Us!

