**Performance optimization report**

Step #1 Refactoring code, deleted not used classes

Step #2

- Change engine to innoDb.

- add **hibernate.jdbc.batch\_size** = **200**

Step #3

* Add parallel stream
* And divide collection for update

Step #4 Set vm option -XX:+UseG1GC -XX:+UseStringDeduplication

|  |  |  |
| --- | --- | --- |
| Iteration # | Upload (seconds) | Refresh (seconds) |
| 1 | 203 sec | 196 |
| 2 | 190 | - |
| 3 | 43 | 37 |
| 4 | 37 | 33 |
| 5 | 33-35 | 30-31 |