The joy of manual memory management

- [KAFKA-5122] JIRA issue

- Manually configure **rocksdb.config.setter** instance based on formula described by Jon Buffington

- With the assumption that you have 30 partitions, a 28 day window and 3 segments per window

  - **estimated_per_segment (20mb) * partitions (30) * segments (3) = 1800mb**

  - Those 30 partitions are distributed among 3 instances = **600mb of potential off-heap memory growth per instance**.

Kafka 2.3.0

- [KAFKA-8215] - Limit memory usage of RocksDB

- [KAFKA-8324] - User constructed RocksObjects leak memory

- [KAFKA-8323] - Memory leak of BloomFilter Rocks object

- A bump in the underlying RocksDB version