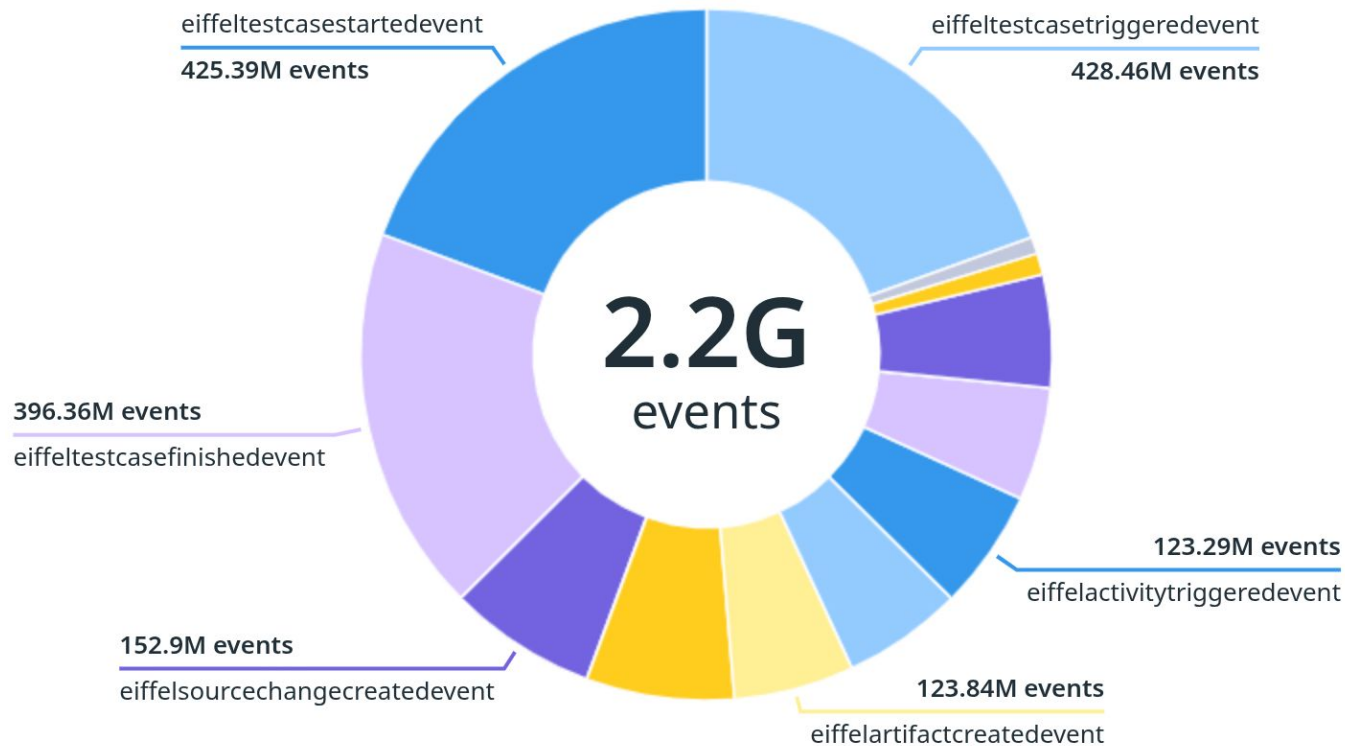

Purging old and outdated events

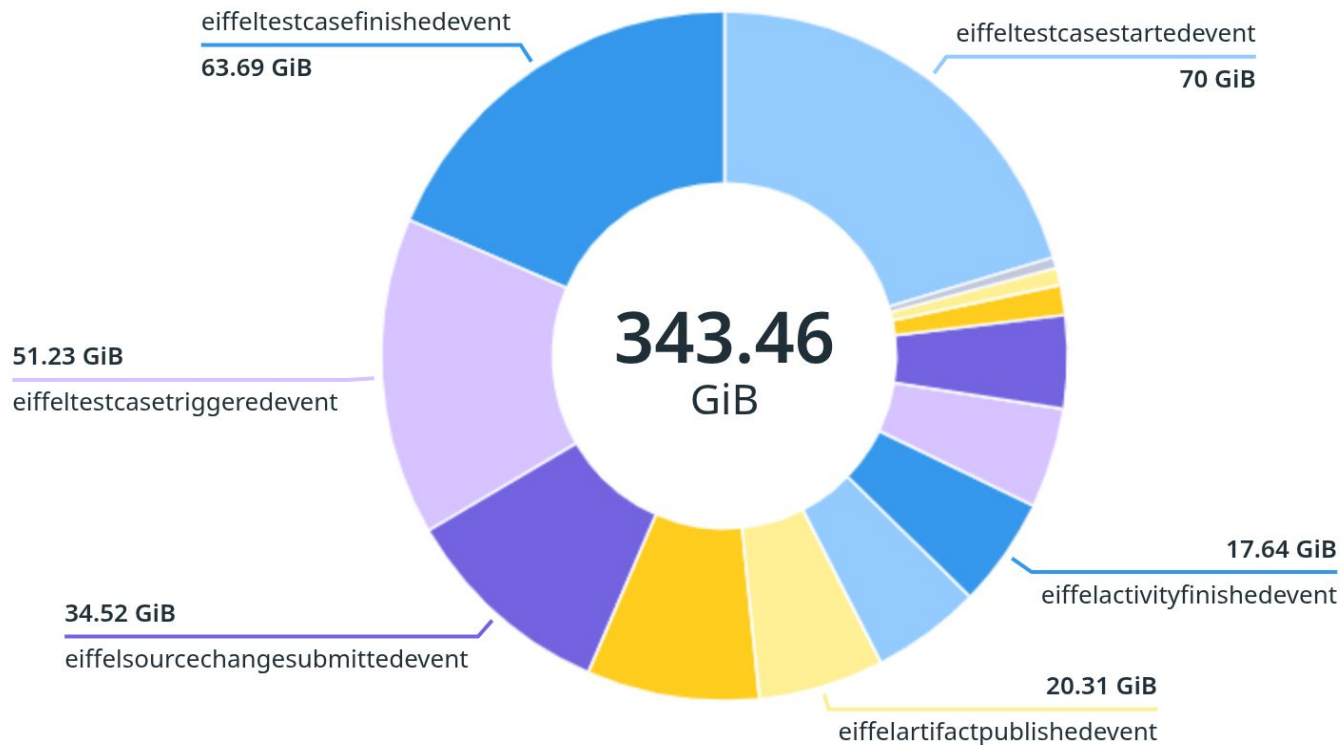
Magnus Bäck, Axis Communications

Background

Number of events



Size of database indexes

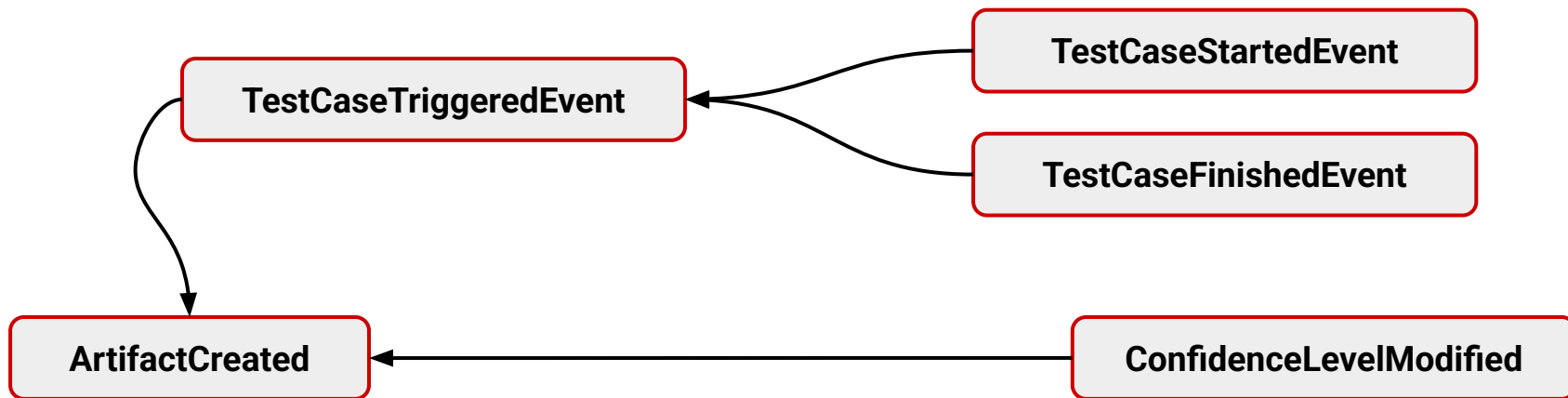


What's the problem?

- Events aren't created equal. Some tests are interesting to keep after a year, but most aren't.
- You can't determine the retention policy by looking at a single test event.

Desired behavior

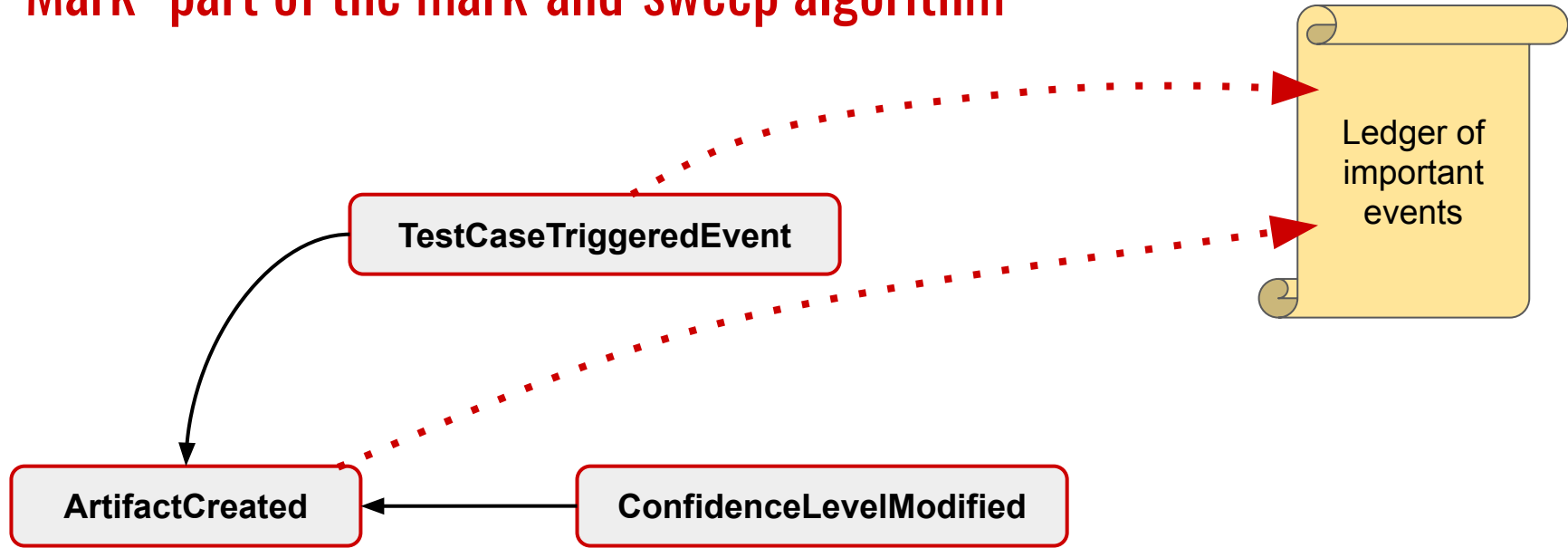
Delete all test events older than X days that aren't reachable from a ConfidenceLevelModified with field values Y.



Possible solutions

- If you have a graph database:
 - Just phrase a suitable graph query.
- If you e.g. use MongoDB:
 - Locate each old test event and traverse the graph in brute force manner to figure out whether it's linked to a ConfidenceLevelModified that makes it important.
 - Incremental mark-and-sweep algorithm.

“Mark” part of the mark-and-sweep algorithm



“Sweep” part of the mark-and-sweep algorithm

Periodically, walk through old TestCaseTriggered events and check if they’re in the ledger. If not, delete them and any related events, and delete the ledger entry.

Questions?