

ABSTRACT

A computer-implemented system for updating a counter value in a data structure. The system may include a memory storing instructions and at least one processor configured to execute the instructions to perform a process. The process may include receiving information relating to an event, and determining, for the event, a counter identifier value for the counter identifier field of the data structure. The data structure may include one or more entries. Each of the one or more entries may include the counter identifier field and a counter value field. The process may also include identifying, in the data structure, an entry that comprises a counter identifier value identical to the determined counter identifier value. The process may further include increasing a counter value in the counter value field of the identified entry.