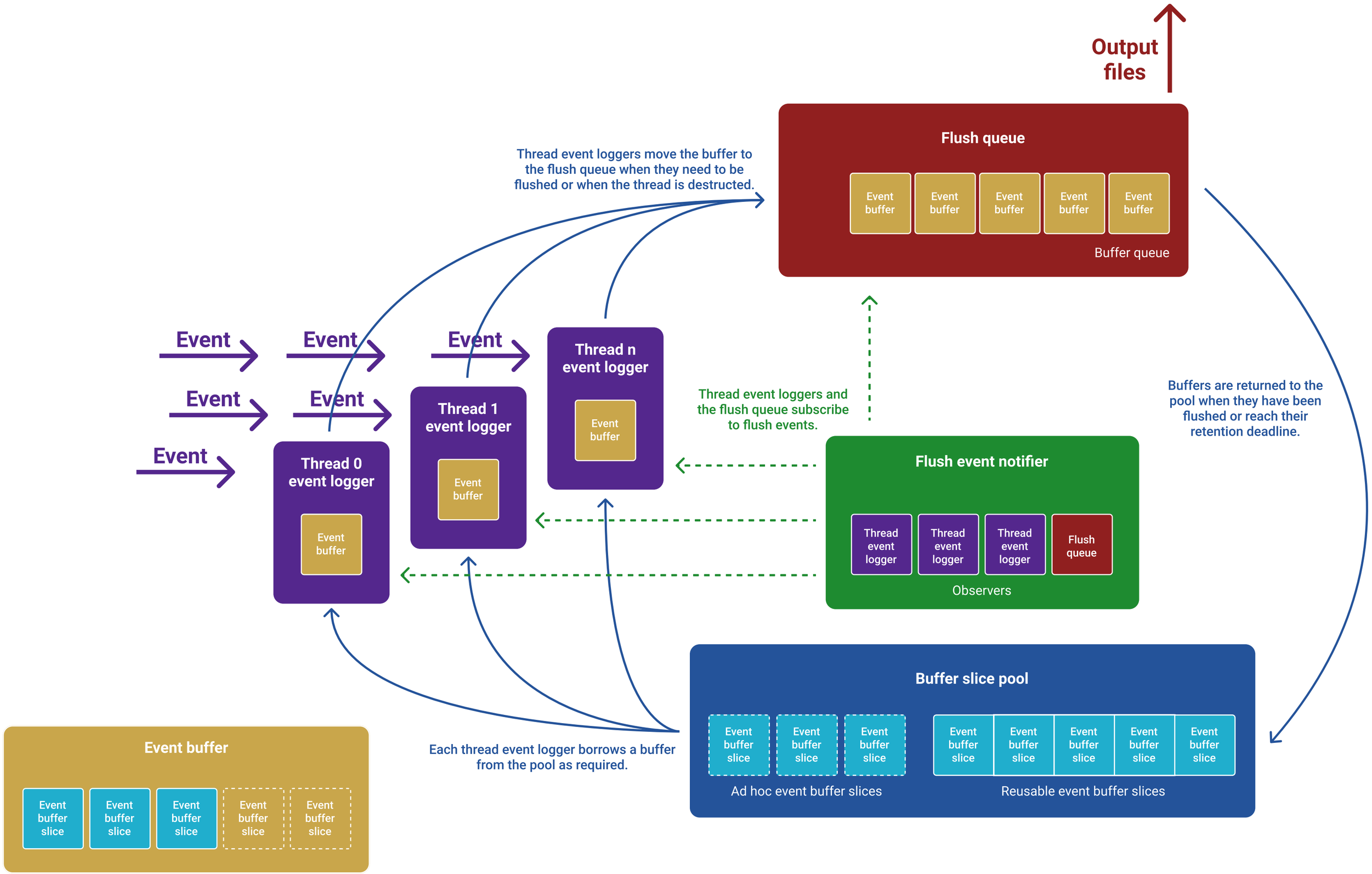
Output files
Flush queue
Event buffer
Event buffer
Event buffer
Event buffer
Event buffer
Buffer queue
Thread event loggers move the buffer to the flush queue when they need to be flushed or when the thread is destructed.
Event
Event
Event
Event
Event
Event
Thread n event logger
Event buffer
Thread 1 event logger
Event buffer
Thread 0 event logger
Event buffer
Thread event loggers and the flush queue subscribe to flush events.
Buffers are returned to the pool when they have been flushed or reach their retention deadline.
Flush event notifier
Thread event logger
Thread event logger
Thread event logger
Flush queue
Observers
Buffer slice pool
Event buffer slice
Event buffer slice
Event buffer slice
Ad hoc event buffer slices
Event buffer slice
Event buffer slice
Event buffer slice
Event buffer slice
Event buffer slice
Reusable event buffer slices
Each thread event logger borrows a buffer from the pool as required.
Event buffer
Event buffer slice
Event buffer slice
Event buffer slice
Event buffer slice
Event buffer slice