RAST: highly distributed DB proejct.

Produced by NOA team

Contents

123123 BulkAllocator is an allocator, which for each required type size stores a list of

2.2. Lock-free queue

$LockFreeQueue < TElement >$ is obviously an implementation of lock-free queue. It contains the following functions:

```
LockFreeQueue<TElement> {
   void Push(TElement new_element);
   // Exceptions:
   //    Strong exception safety: in case of failure
   //    the element is not pushed to the queue,
   //    there are no visible side effects

   std::unqiue_ptr<TElement> Pop() noexcept;
   // Return value:
   //    nullptr unique_ptr if the queue was empty,
   //    unique_ptr pointing on TElement in case of successfull pop
};
```