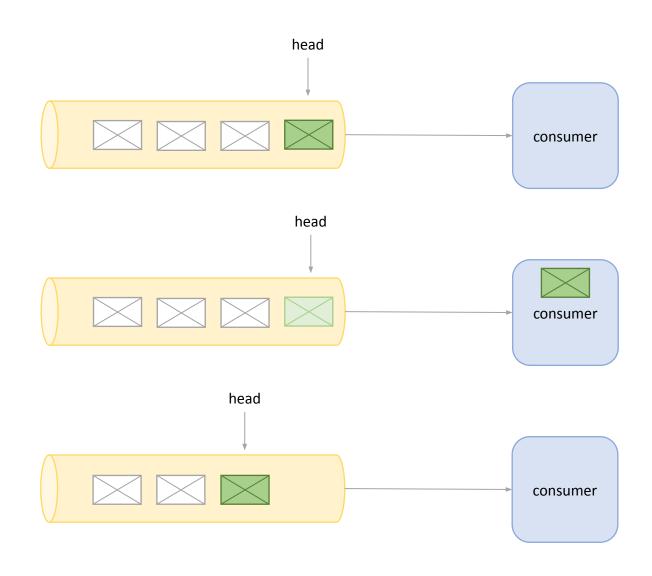
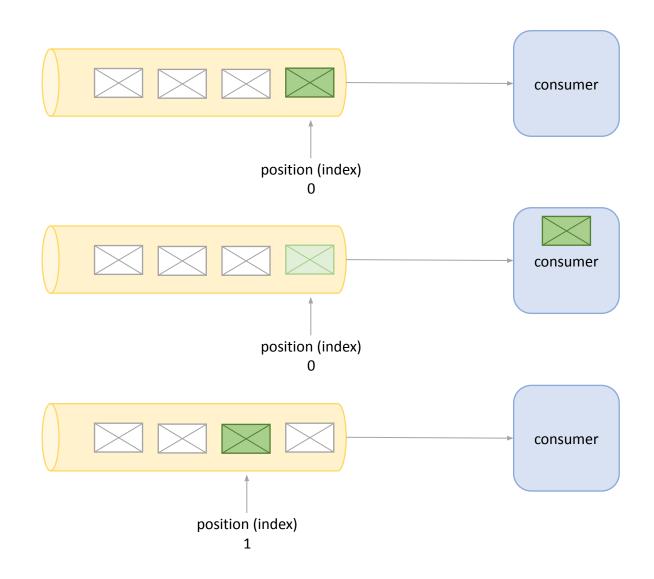
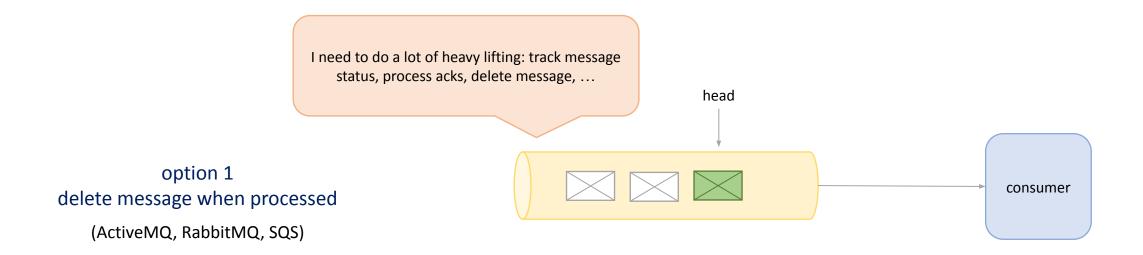


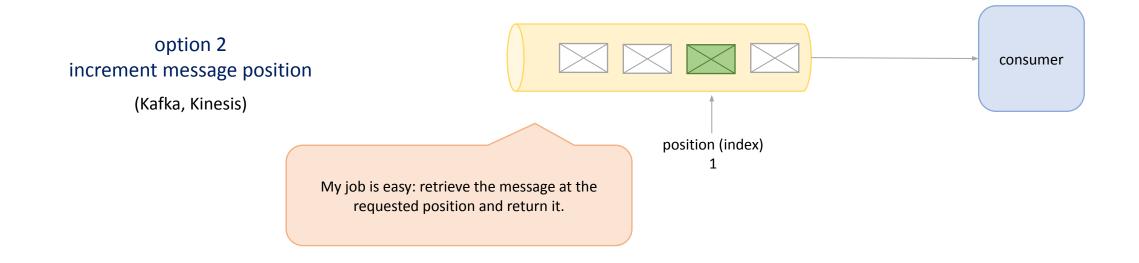
option 1 delete message when processed



option 2 increment message position

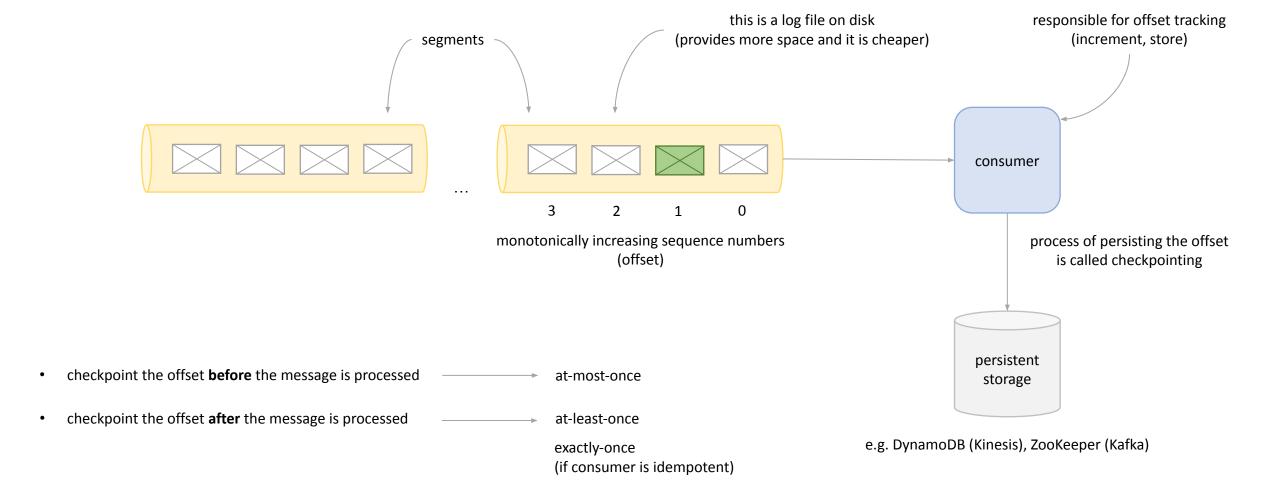






messaging systems that follow this approach are often referred to as log-based messaging systems

option 2 details



option 1 is reliable, but option 2 is even more reliable

