

Abstract

Every mailing list user wants their information to be delivered fast so they can receive response immediately. In this final assignment, writer do some study and analyze about reducing email response time and increasing mailing list server's throughput by changing scheduling policy so every email come through mailing list server can be delivered fast to every recipient. Scheduling policy implemented in this final assignment is size based scheduling.

Size based scheduling will be implemented in mailing list server queue and to be exactly in Mailman queue. Email with the shortest sending time will get the most priority to be delivered first.

Result indicates size based scheduling could reduced email response time and increasing mailing list server's throughput. For email with the longest sending time will get some added in their delay time but still can be tolerate.

Keywords: size based scheduling, response time, throughput, delay.