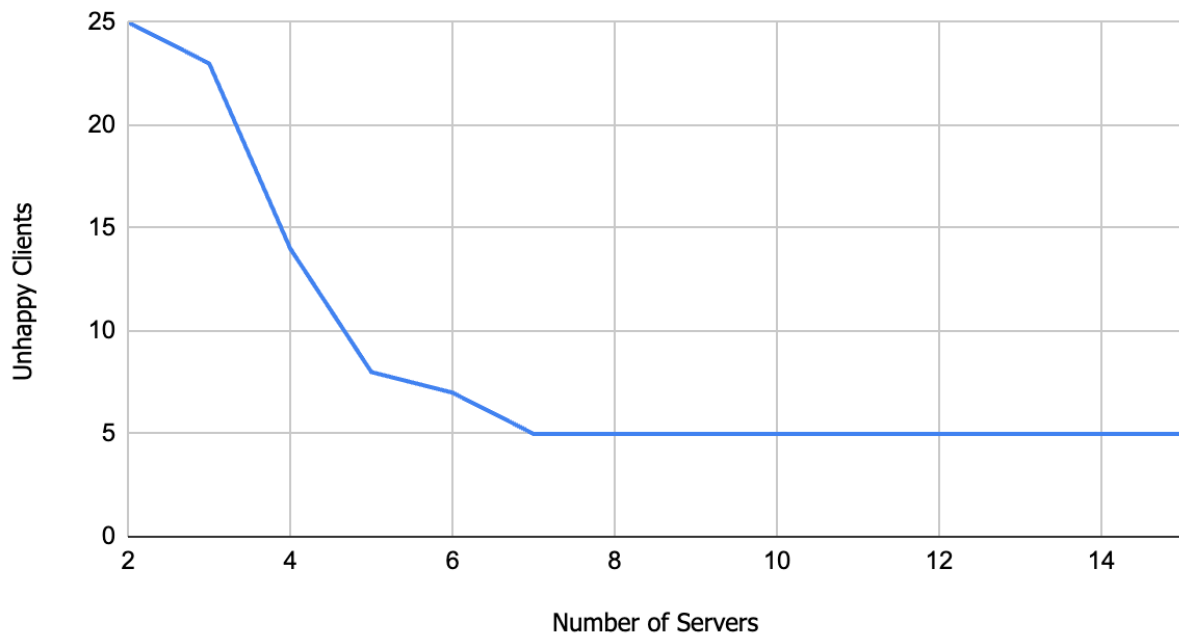


## Benchmark



The plot exhibits a sharp decrease in unhappy clients as the number of servers increases, particularly between 2 and 5 servers. This sharp decrease represents the "knee" of the curve, where the most significant improvement in client satisfaction occurs. After this point, the number of unhappy clients stabilizes at 5, even with an increase in servers. This suggests that after reaching 5 servers, the system's capacity to reduce unhappy clients has plateaued, likely due to bottlenecks in other parts of the system, such as the database. After this point, adding more servers beyond this point does not significantly impact the number of unhappy clients. Therefore, a good number of servers for this load would likely be around 5 servers, as this minimizes unhappy clients effectively while avoiding unnecessary resource allocation.