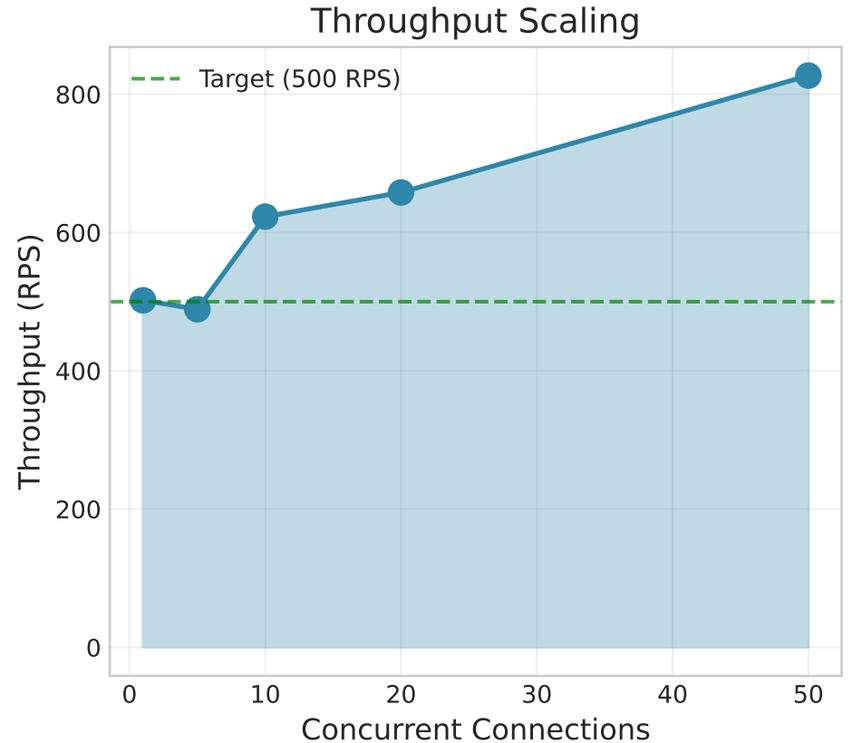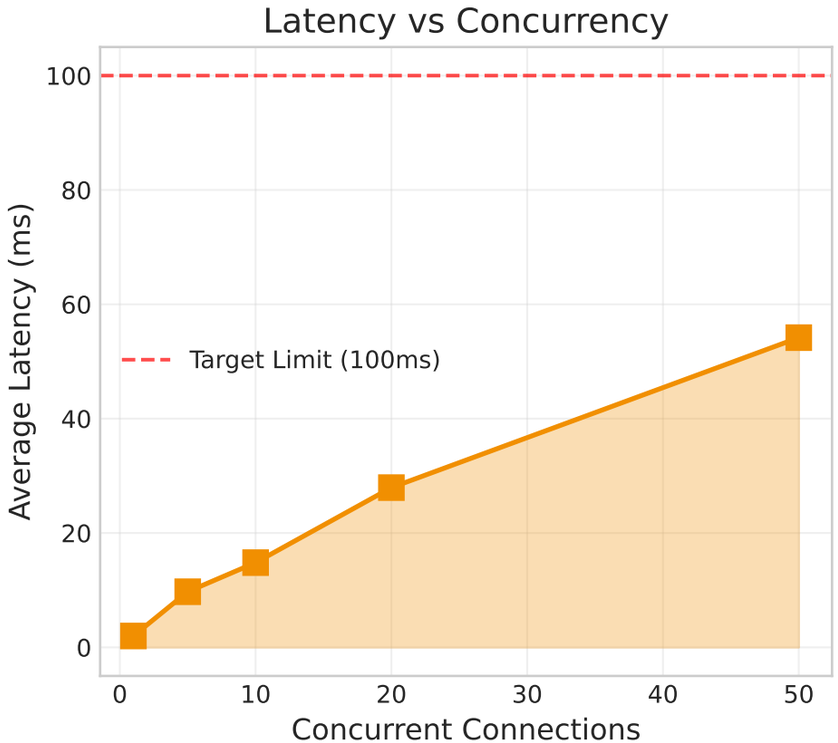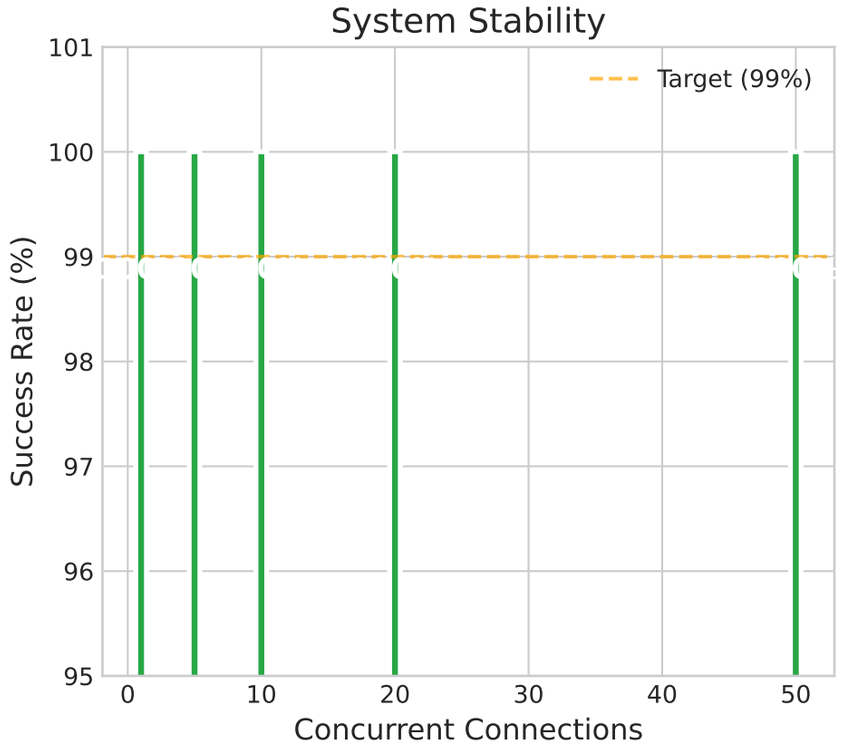System Scalability Analysis