

Commercial RabbitMQ Broker Evaluation Document — VMware Tanzu RabbitMQ (Sample)

1. Architecture & Deployment

- Kubernetes Operator: Yes
- Multi-node Clustering: Yes
- Multi-AZ HA: Yes
- Rolling Upgrades: Yes

2. Performance & Scalability

- Publish Throughput: 150k–250k msg/sec
- Consume Throughput: 180k–300k msg/sec
- Stream Throughput: 1M+ msg/sec
- P99 Latency: 15–20 ms

3. Security

- Auth: LDAP, OAuth2, mTLS
- Encryption: TLS 1.2/1.3
- Fine-grained ACL: Yes

4. High Availability & DR

- HA: Quorum queues with RAFT
- Geo-replication: Yes
- RPO: Near zero
- RTO: <5 sec

5. Observability

- Prometheus / Grafana: Yes
- Tracing: OpenTelemetry
- Logs: Structured logs

6. Protocol Support

- AMQP, MQTT, WebSockets, STOMP, HTTP API

7. Support & Licensing

- SLA: 99.9–99.99%
- 24x7 enterprise support
- Licensing: Per-core or per-node

8. Load Test Summary

- Publish TPS: 180k
- Consumer TPS: 200k
- Failover: 3 sec
- Connection scaling: 60k connections

Final Recommendation: Highly recommended for enterprise-grade, Kubernetes-native messaging with HA, security, and strong performance.