RabbitMQ

Failover-Replication
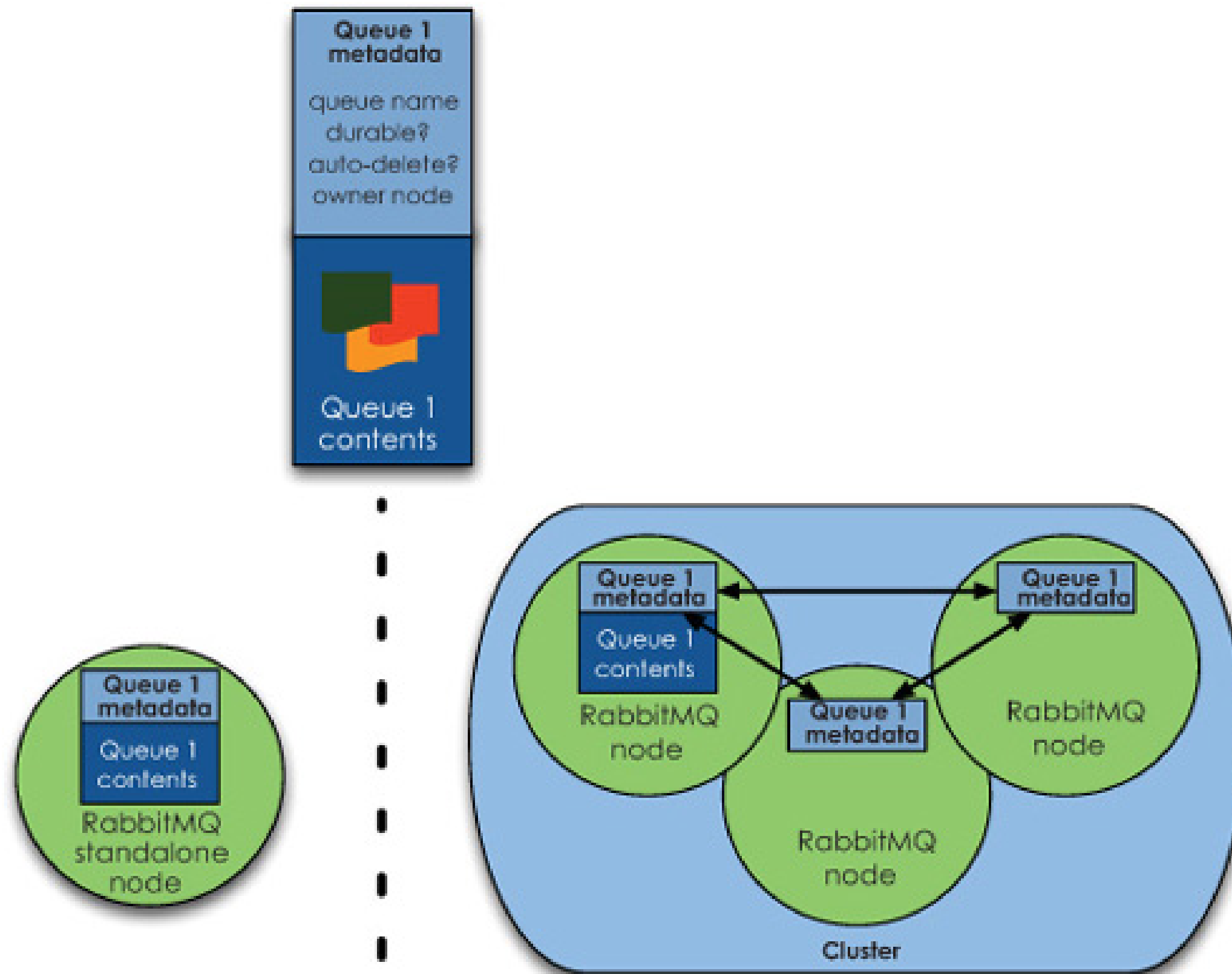
Figure 5.1. Queue behavior in standalone and cluster configurations

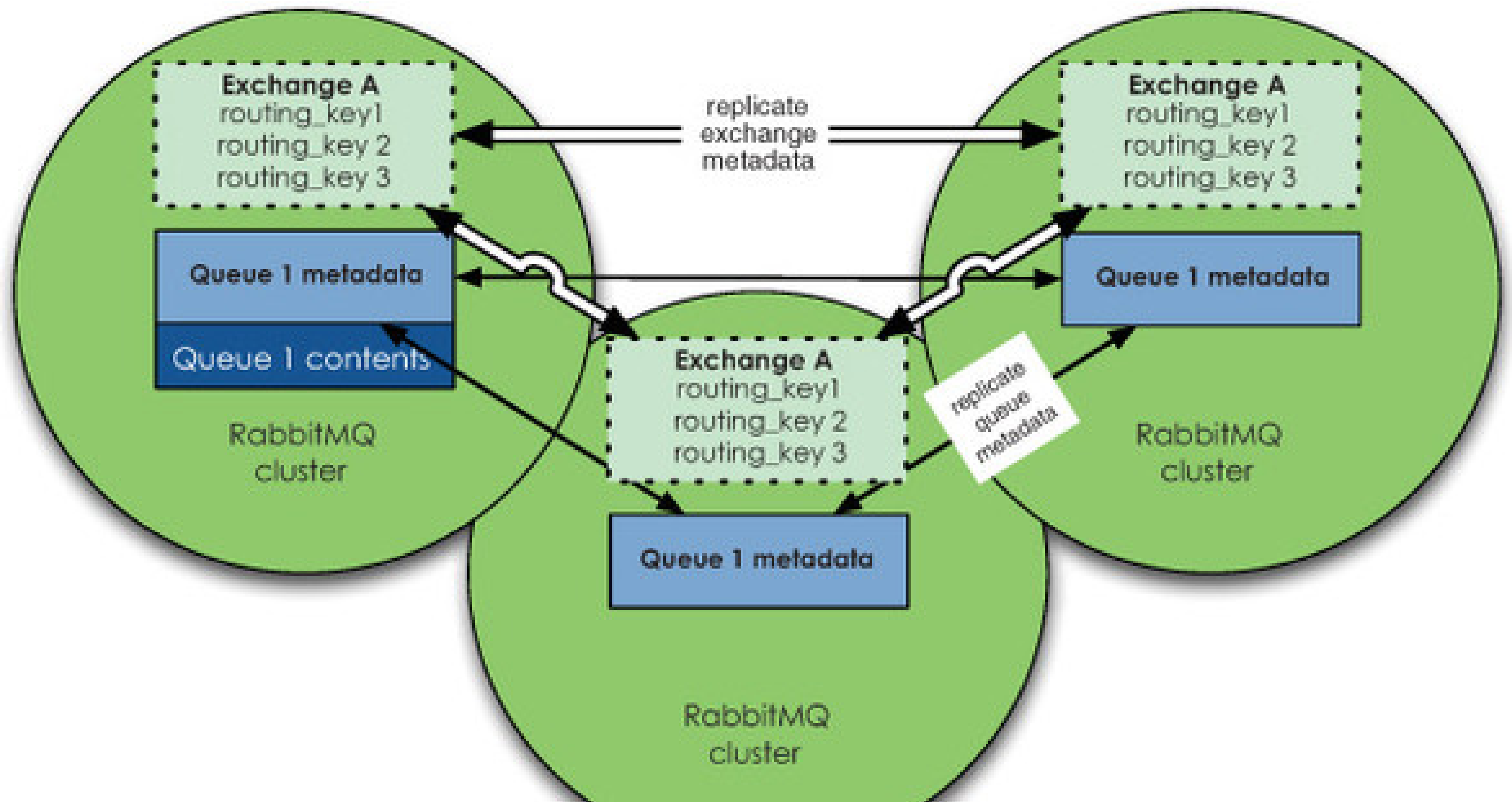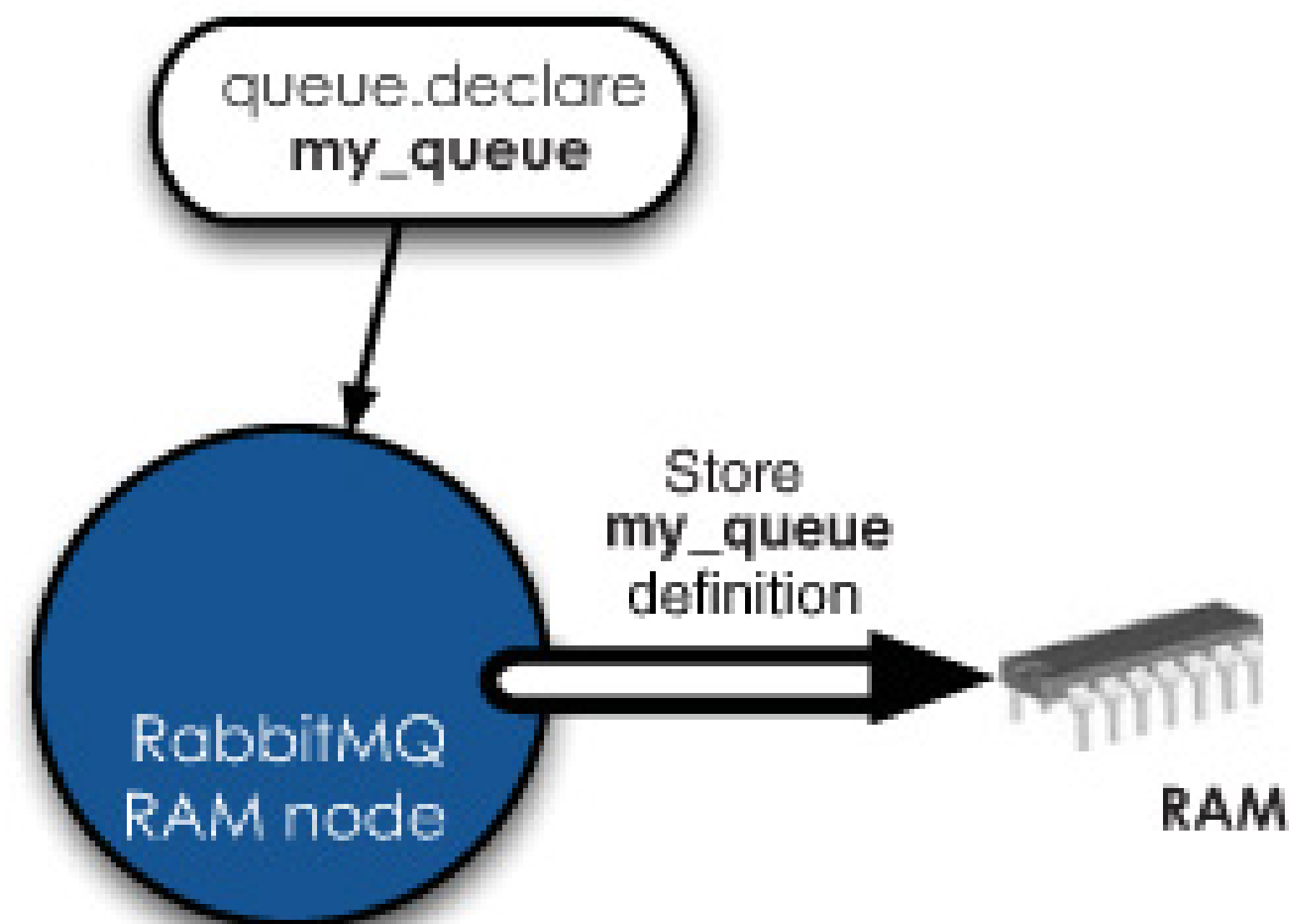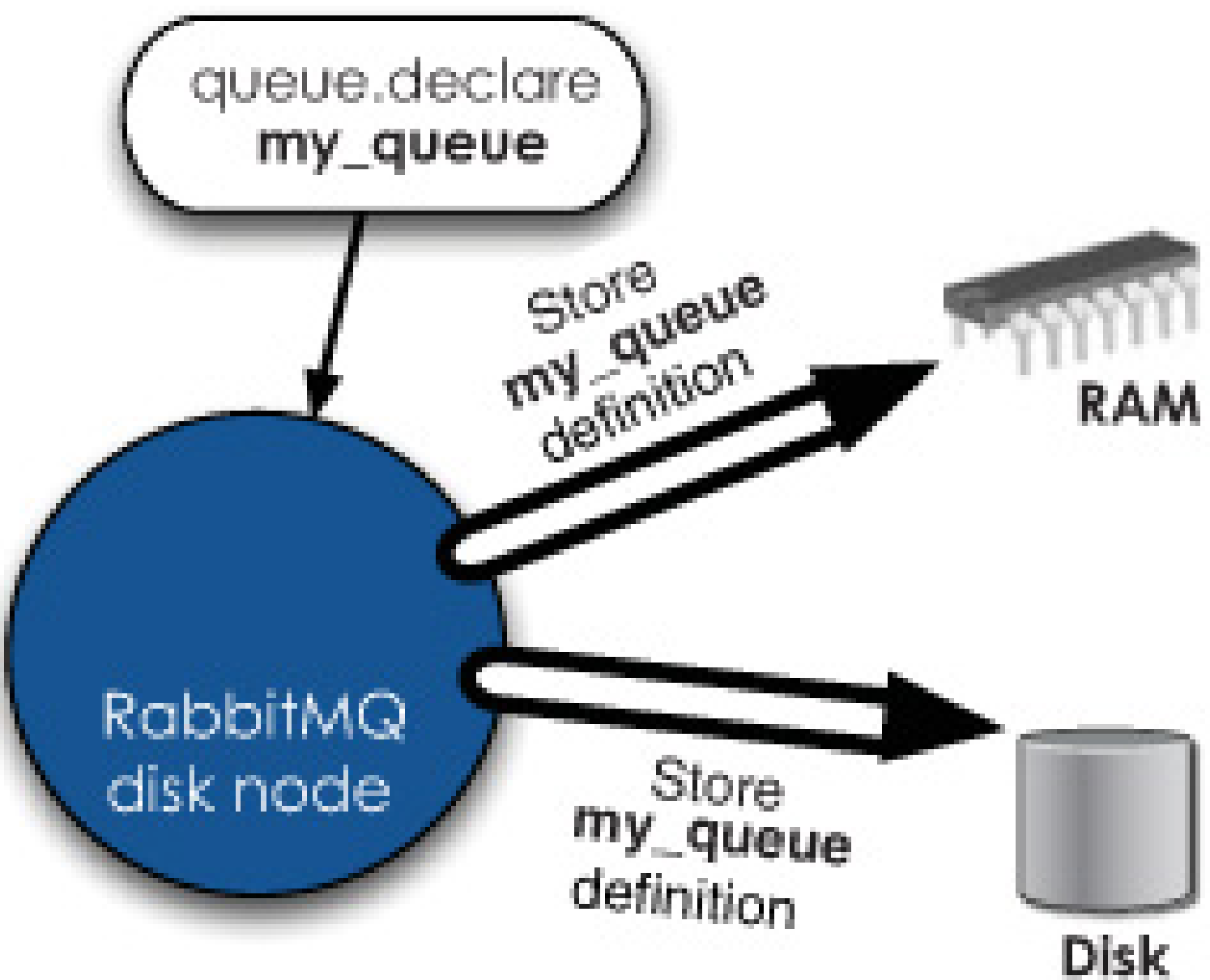# Figure 5.2. Exchange and queue distribution in a cluster

queue.declare **my_queue**

RabbitMQ disk node

Store **my_queue** definition → RAM

Store **my_queue** definition → Disk

queue.declare **my_queue**

RabbitMQ RAM node

Store **my_queue** definition → RAM

Exchange A

Queue 1

RabbitMQ
rabbit@10.1.59.1

EC2 server 1
10.1.59.1

Queue 2

RabbitMQ
rabbit@10.1.63.4

EC2 server 2
10.1.63.4

Queue 3

RabbitMQ
rabbit@10.1.70.10

EC2 server 3
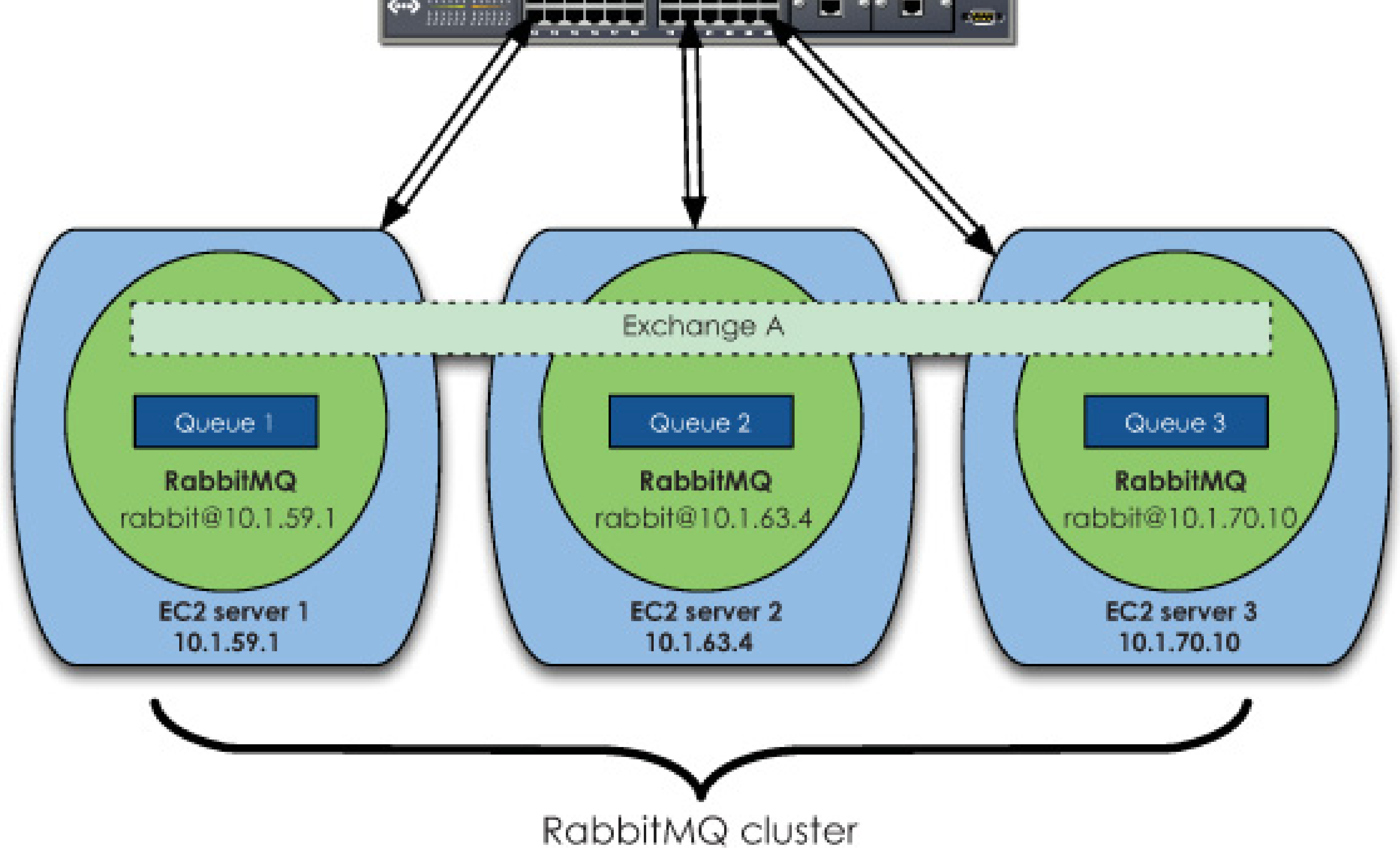10.1.70.10

RabbitMQ cluster

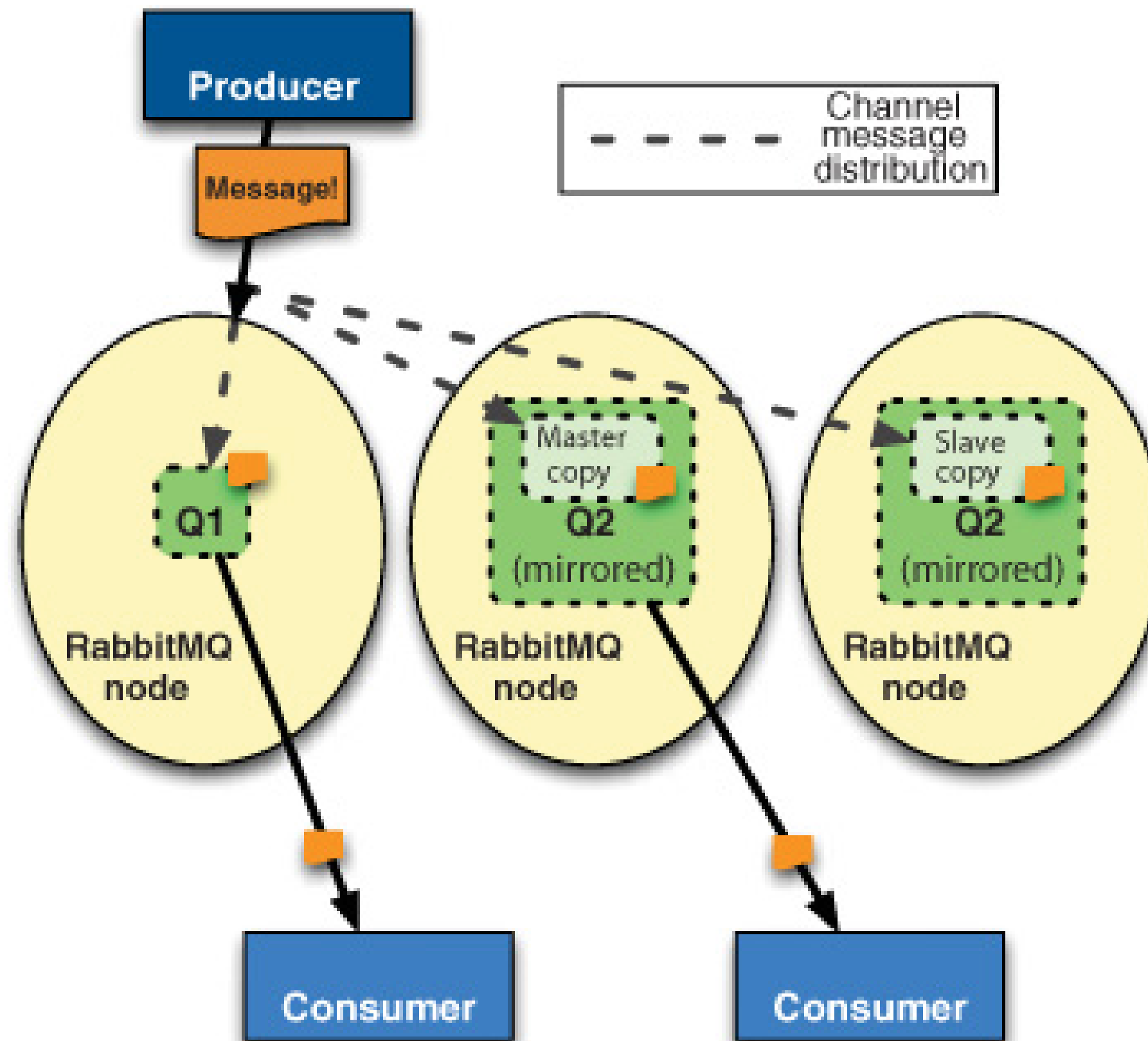# Figure 5.5. Mirrored queue behavior

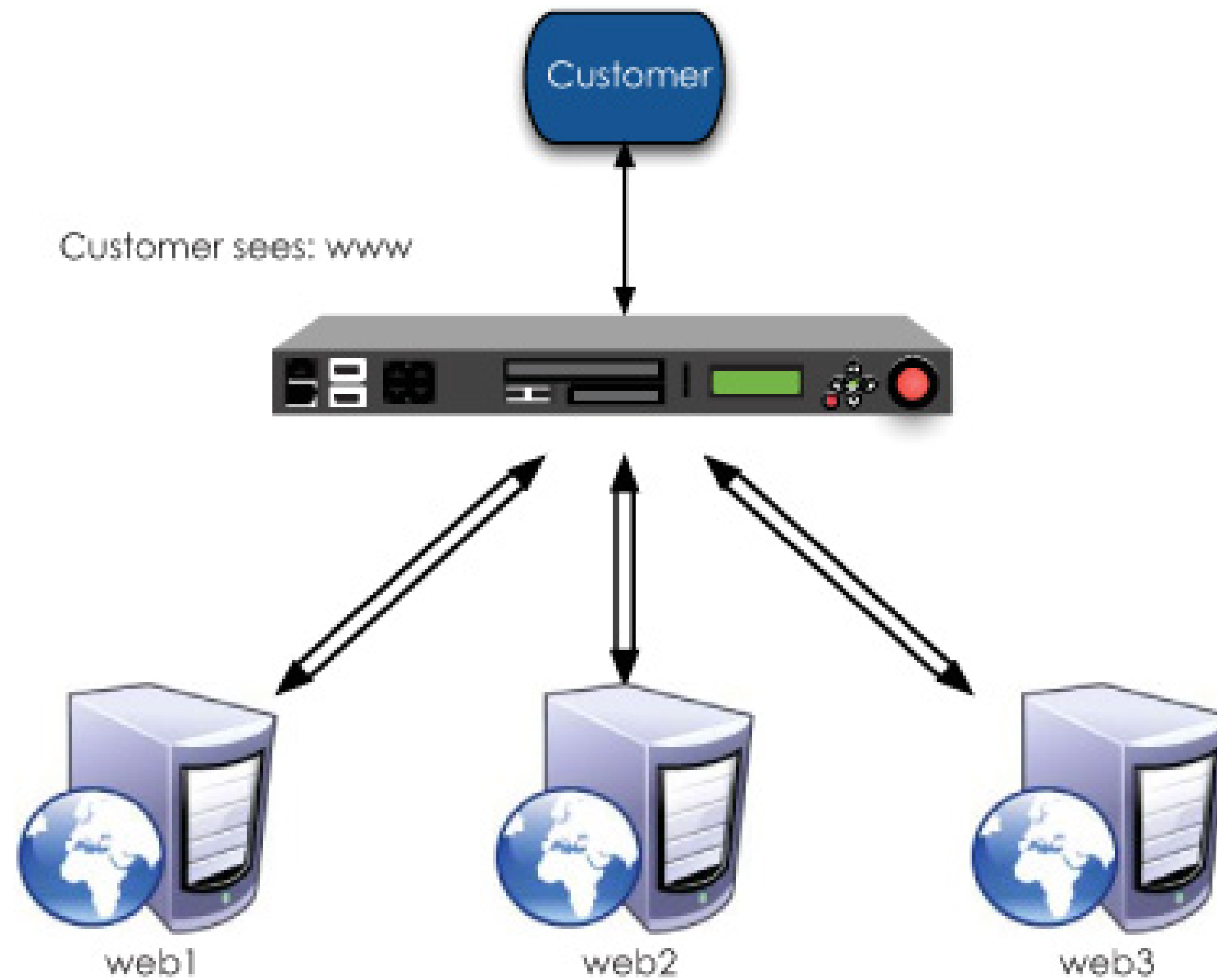**Figure 6.1. Load balancing multiple web servers to appear as one**

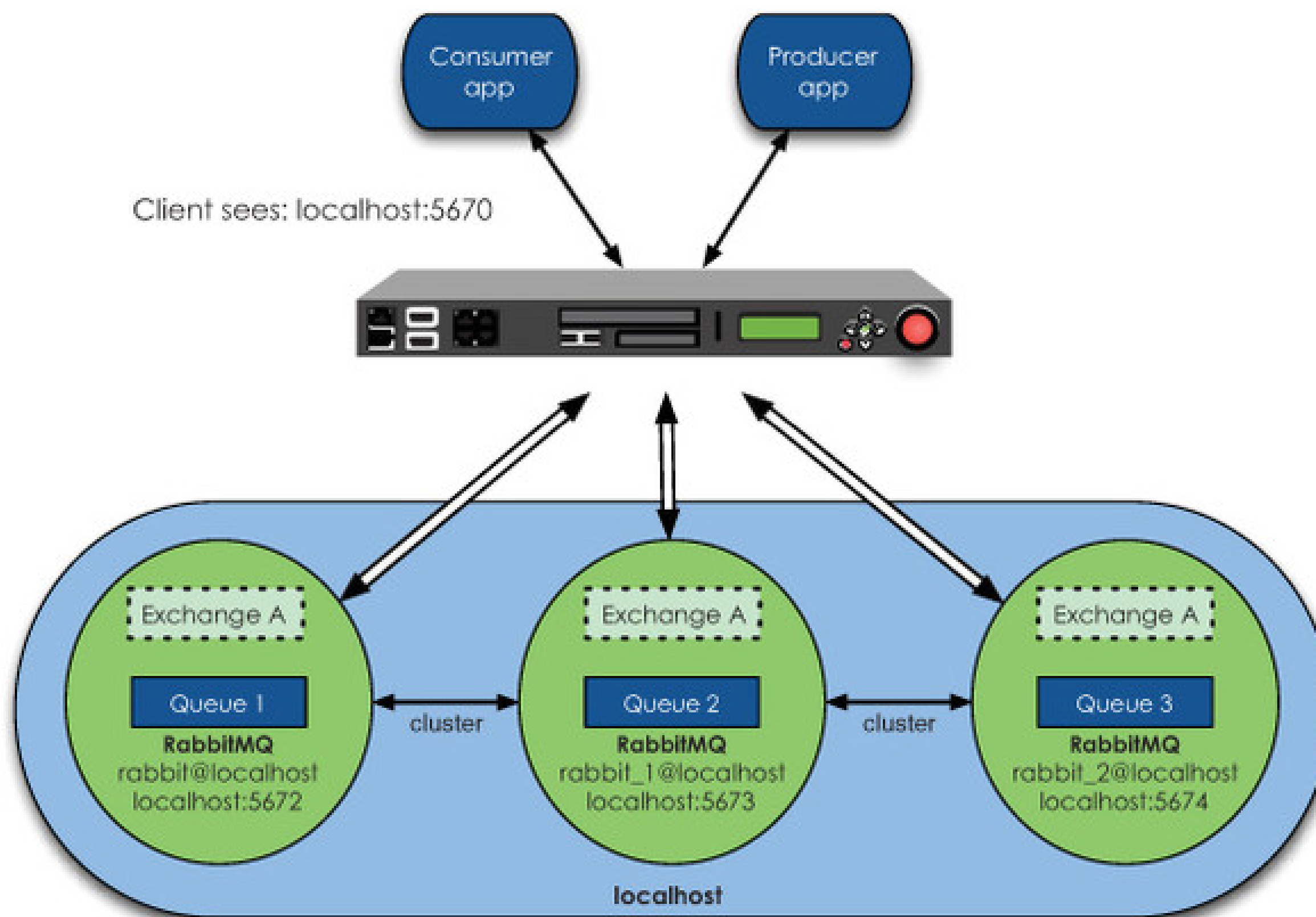**Figure 6.2. Load balancing a RabbitMQ cluster**
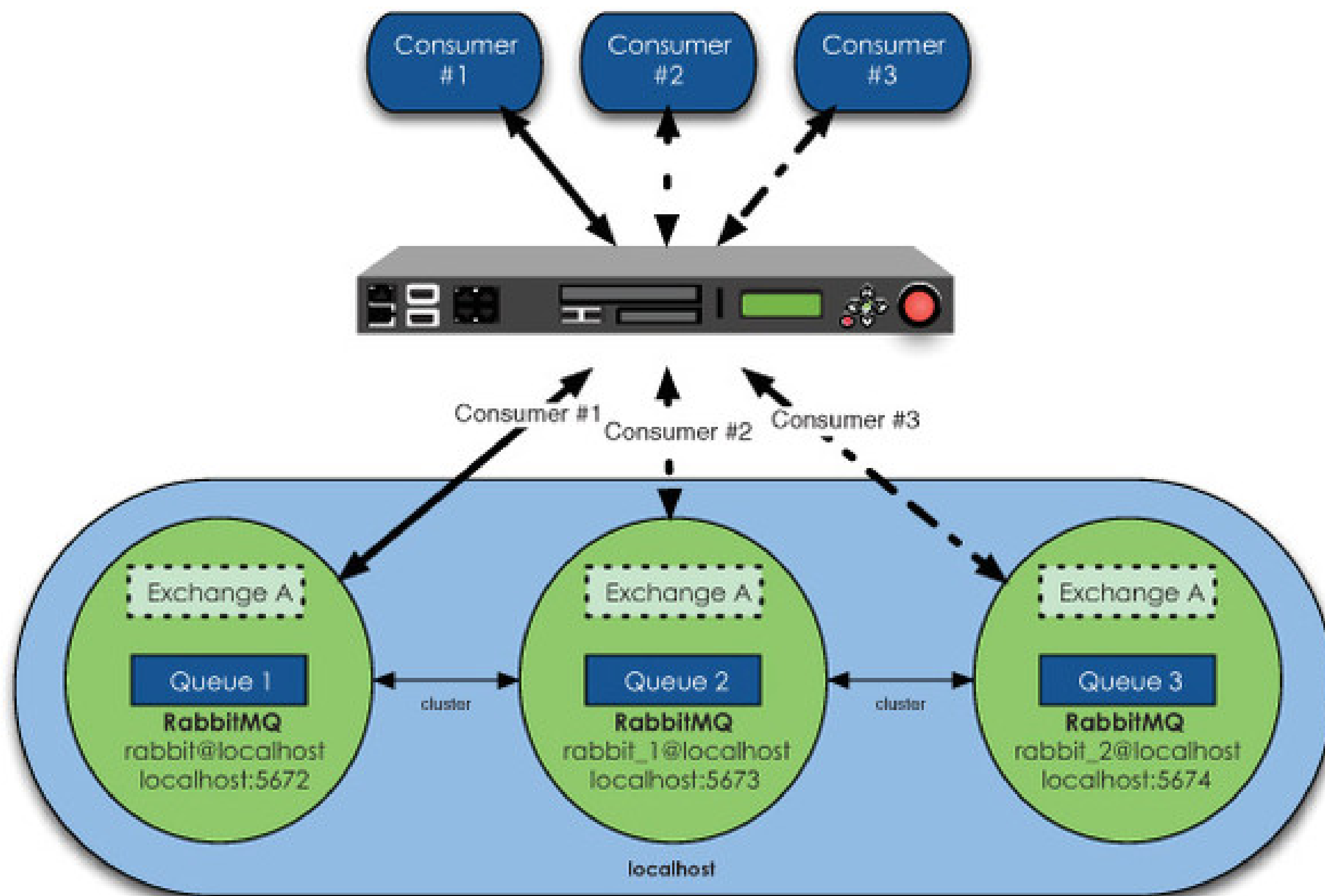
Figure 6.3. Round-robin load balancing

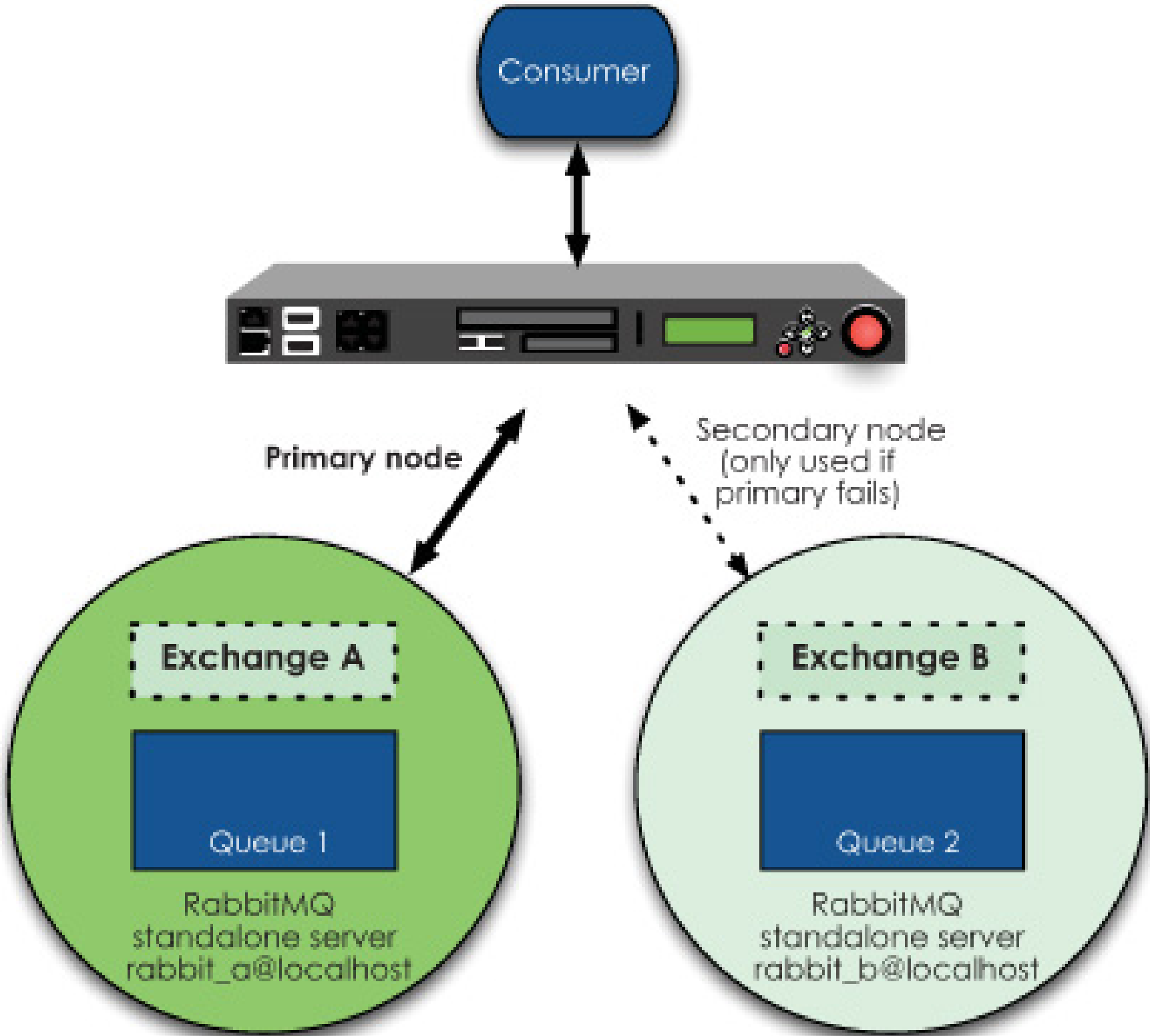**Figure 7.1. Load balancer-based warren**
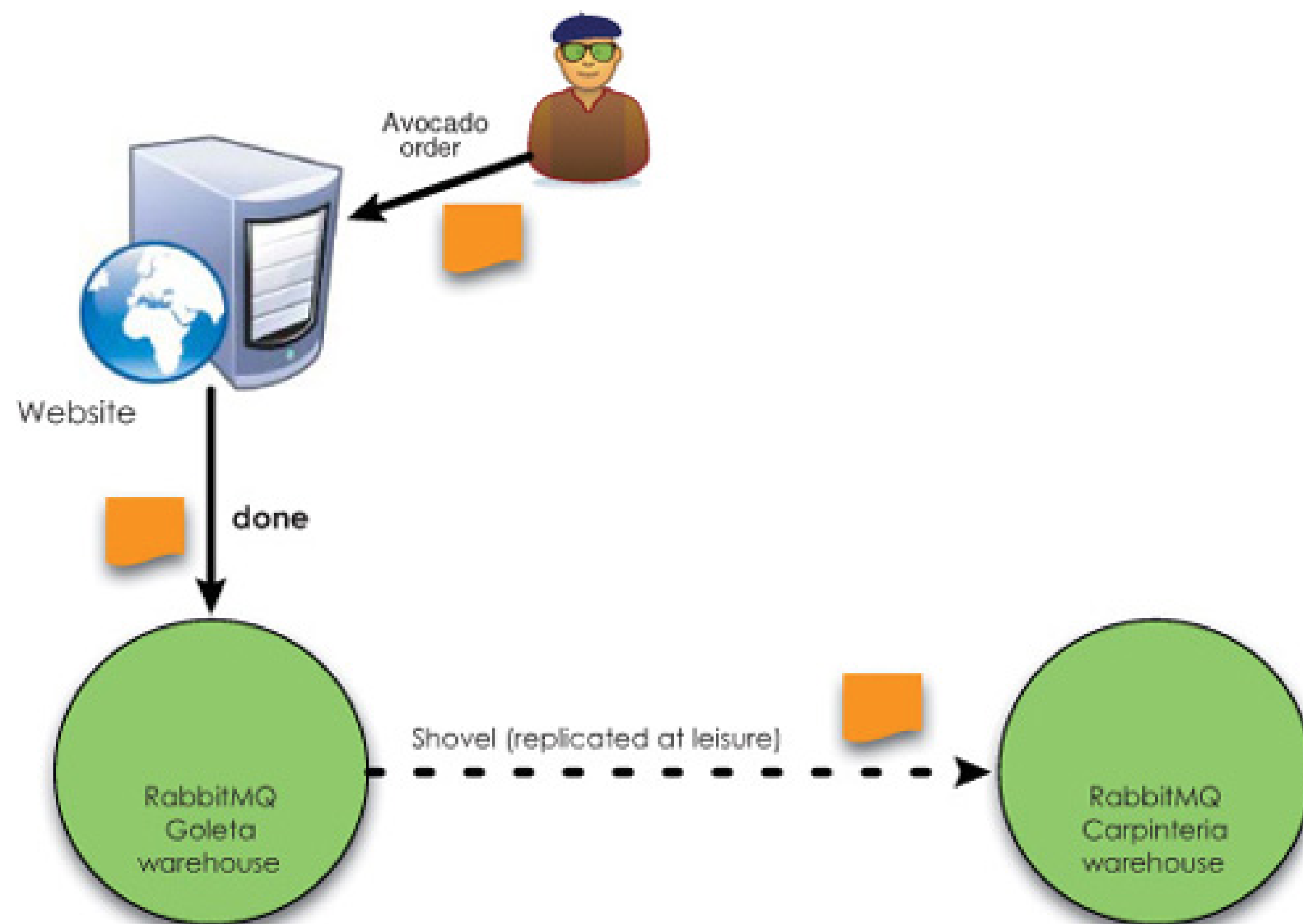
Figure 7.6. Order processing with Shovel

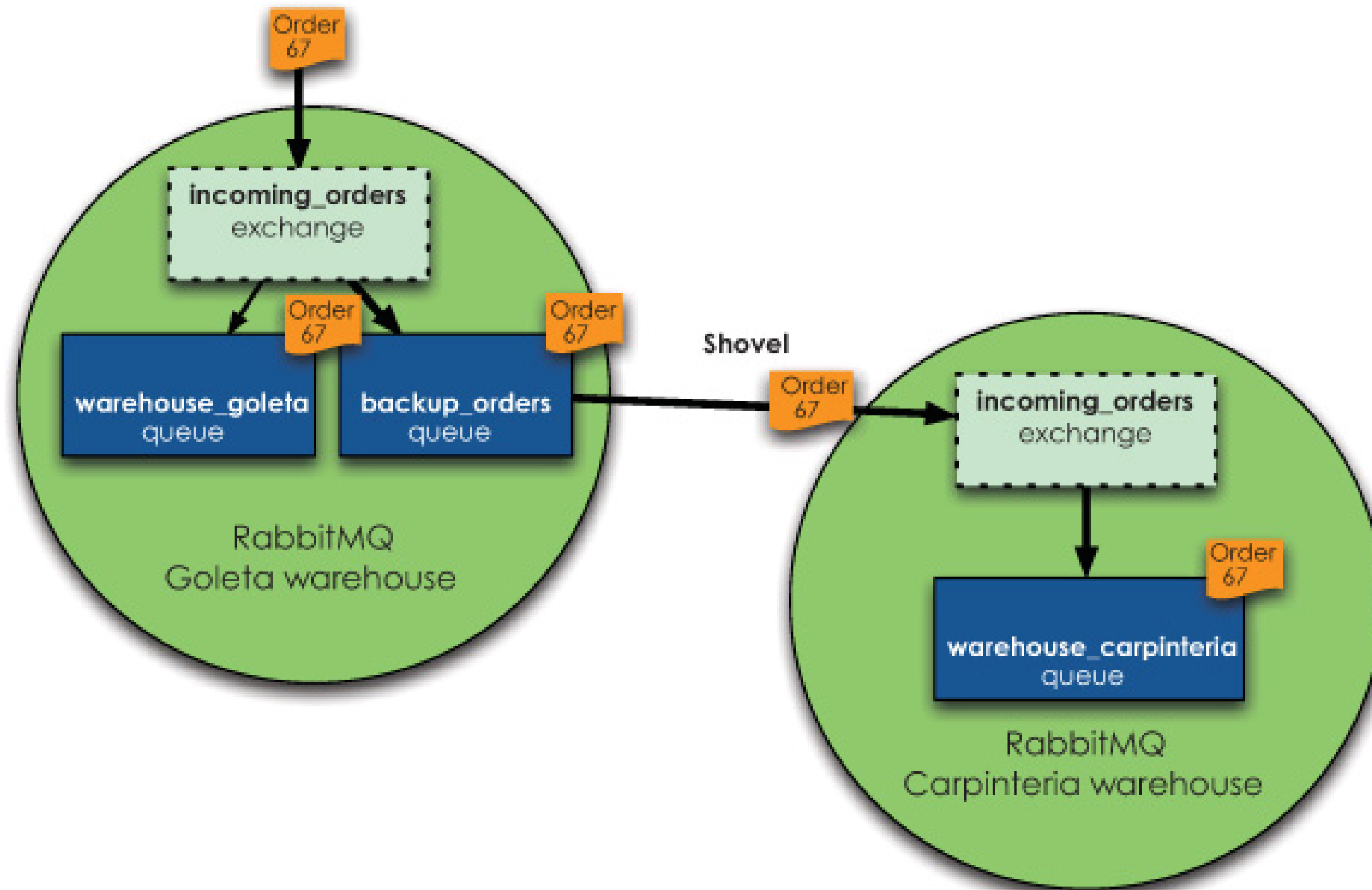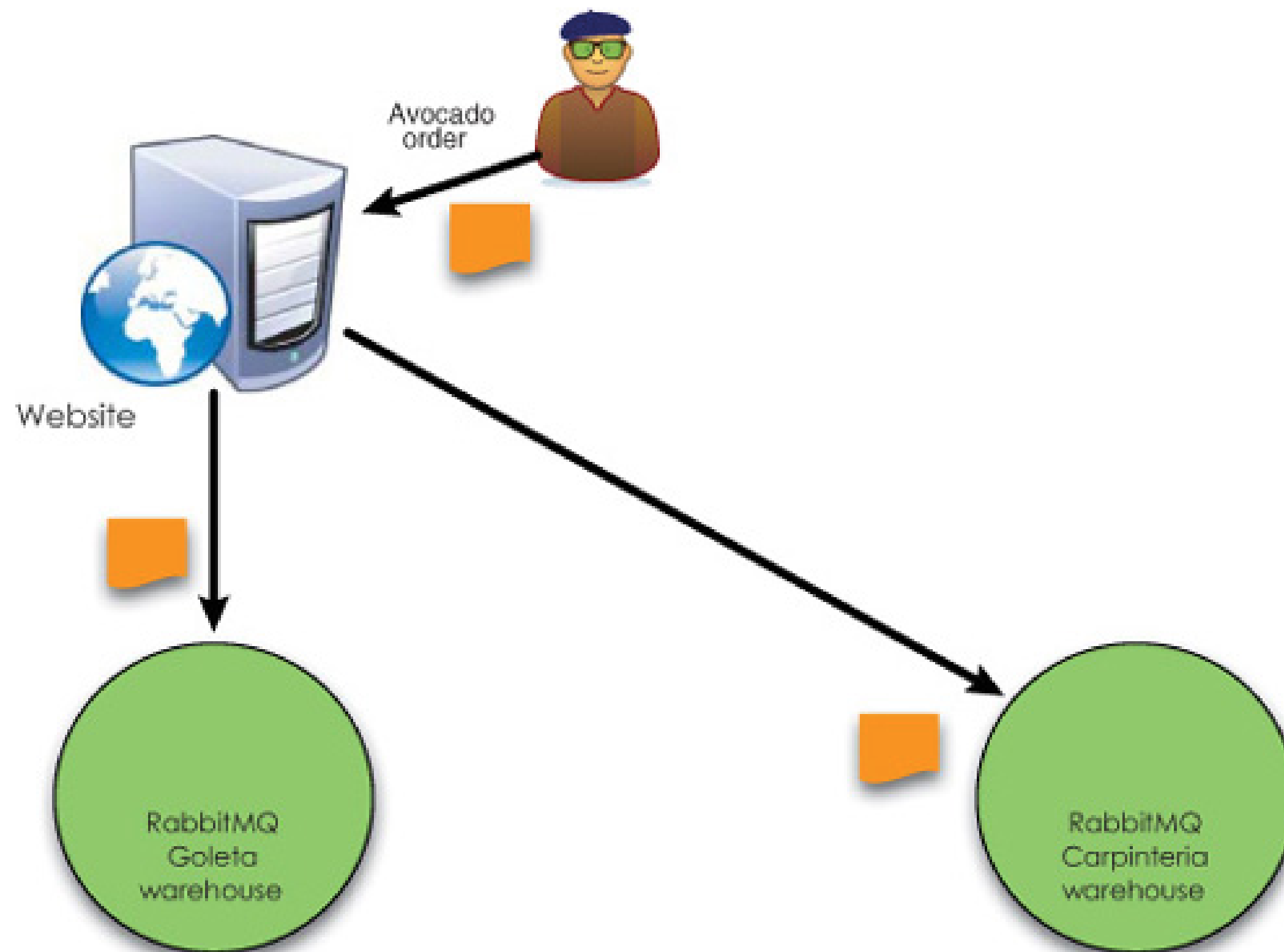**Figure 7.7. Shovel order processing topology**

Figure 7.5. Order processing without Shovel

Figure 7.2. Shared storage–based warren