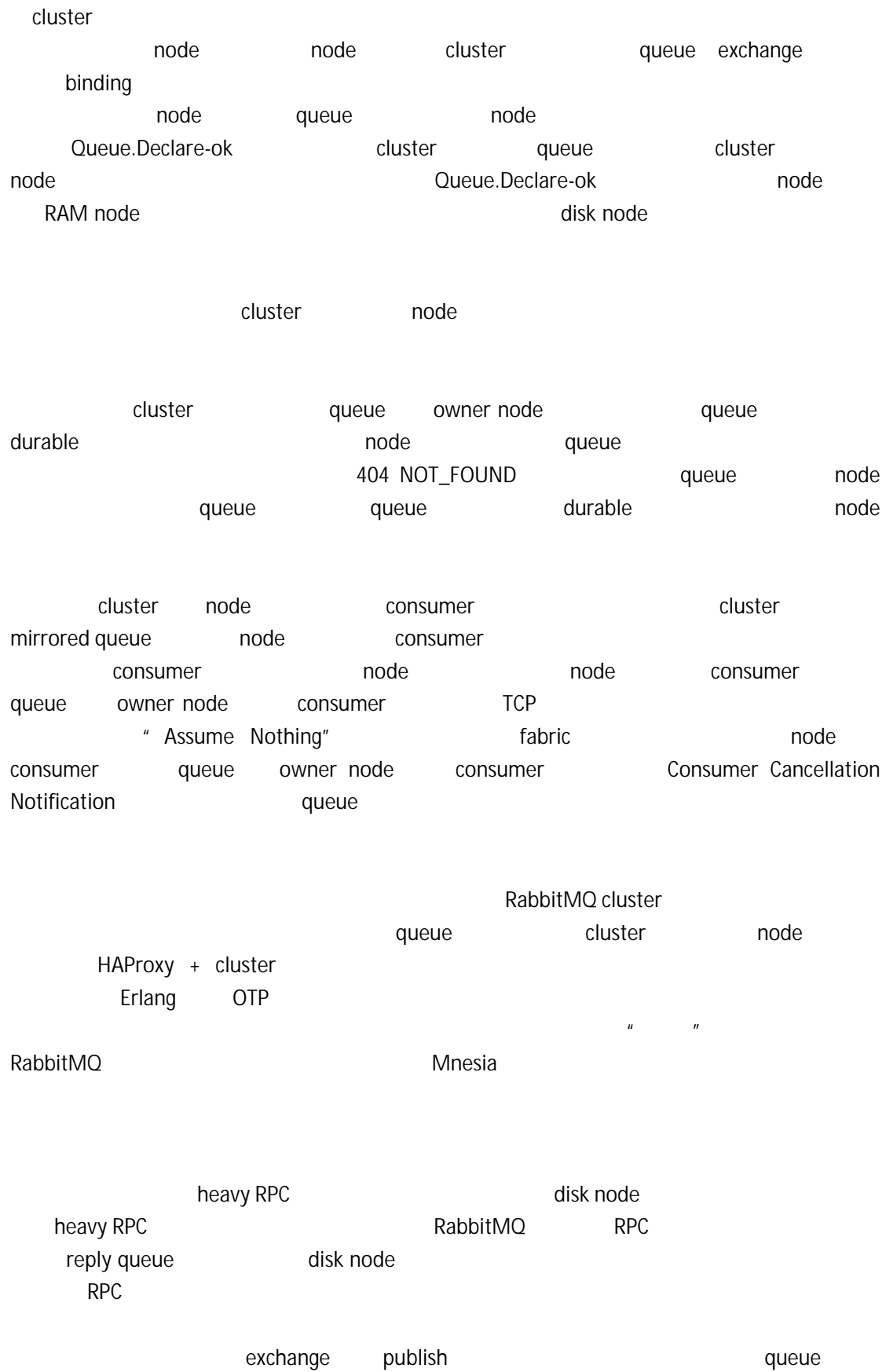


RabbitMQ broker cluster
broker cluster broker erlang node cluster node RabbitMQ
cluster node
cluster Queue cluster
Exchange Vhost exchange vhost Binding queue
cluster node cluster node node erlang
node RAM RAM disk
cluster node queue node cluster

RAM node disk node
RAM node fabric queue exchange binding RabbitMQ
disk node
cluster disk node RAM node
disk node RabbitMQ cluster
RabbitMQ queue message

RabbitMQ channel exchange queue
queue erlang exchange binding
channel queue routing_key message
queue AMQP channel TCP
AMQP channel channel ID channel
channel channel message
channel 0 channel
connection 1-65535 channel channel
AMQP channel
channel socket

vhost
vhost broker mini-RabbitMQ server
queue exchange binding
vhost RabbitMQ vhost
vhost



consume

Channel.Close 404 NOT_FOUND

routing_key binding_key

255

RabbitMQ message

AMQP 64-bit

producer queue

1.message 2. republish

Publisher Confirm

" dead letter" queue

RabbitMQ server consumer consumer Basic.Reject

queue message requeue=false " dead letter" queue

message reject undeliver

message queue exchange

durable message persistent

binding exchange — binding — queue

message message persistent exchange

queue durable exchange queue

durable crash message persistent

message message

blackholed

blackholed exchange message

message blackholed 1. queue

exchange message 2.exchange binding_key key_A queue queue_A

exchange message routing_key key_B

blackholed

Basic.Publish mandatory=true fabric

Basic.Return message blackholed 312

NO_ROUTE

Consumer Cancellation Notification

queue master slave consumer

consume consume master

slave consumer master

message master message queue
message requeue consumer
message
Basic.Reject
consumer message reject
requeue=true RabbitMQ server message
consume consumer
consumer requeue=false RabbitMQ server
message queue
queue message consumer Basic.Ack
message
Basic.Nack Basic.Reject message
message
message RAM message
10 message RabbitMQ cluster
" " message persistent queue
durable queue owner node queue
queue message blackholed message persistent
queue durable queue owner node
queue node owner node
queue queue message blackholed
message
100,000 / RabbitMQ
message delivery
SSD
RabbitMQ cluster mirrored queue warrens
cluster cluster node producer consumer
node node node cluster
cluster cluster message producer
cluster cluster
cluster HAProxy node cluster
node ip HAProxy node
HAProxy + cluster
Mirrored queue cluster queue
node 1.consumer
Consumer Cancellation Notification 2.consumer
message

Warrens
producer

cluster
republish message

message
RabbitMQ server
RabbitMQ server + HAProxy
RabbitMQ

blackholed
server

Warrens
server

active
server

hot-standby
server

RabbitMQ server + keepalived
server

active
cold-standby

RabbitMQ

Warrens

server

consume

active
server

server

standby
queue

server

message
fabric

active
server

a.
c.

AMQP
active

hot-

server

cold-standby
server

node
cold-standby server

UID

active
server

active
cold-standby