

# RabbitMQ

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#O **RabbitMQ** é um software de fila de mensagem que utiliza o protocolo **AMQP** (Advanced Message Queuing Protocol) para transporte de dados.

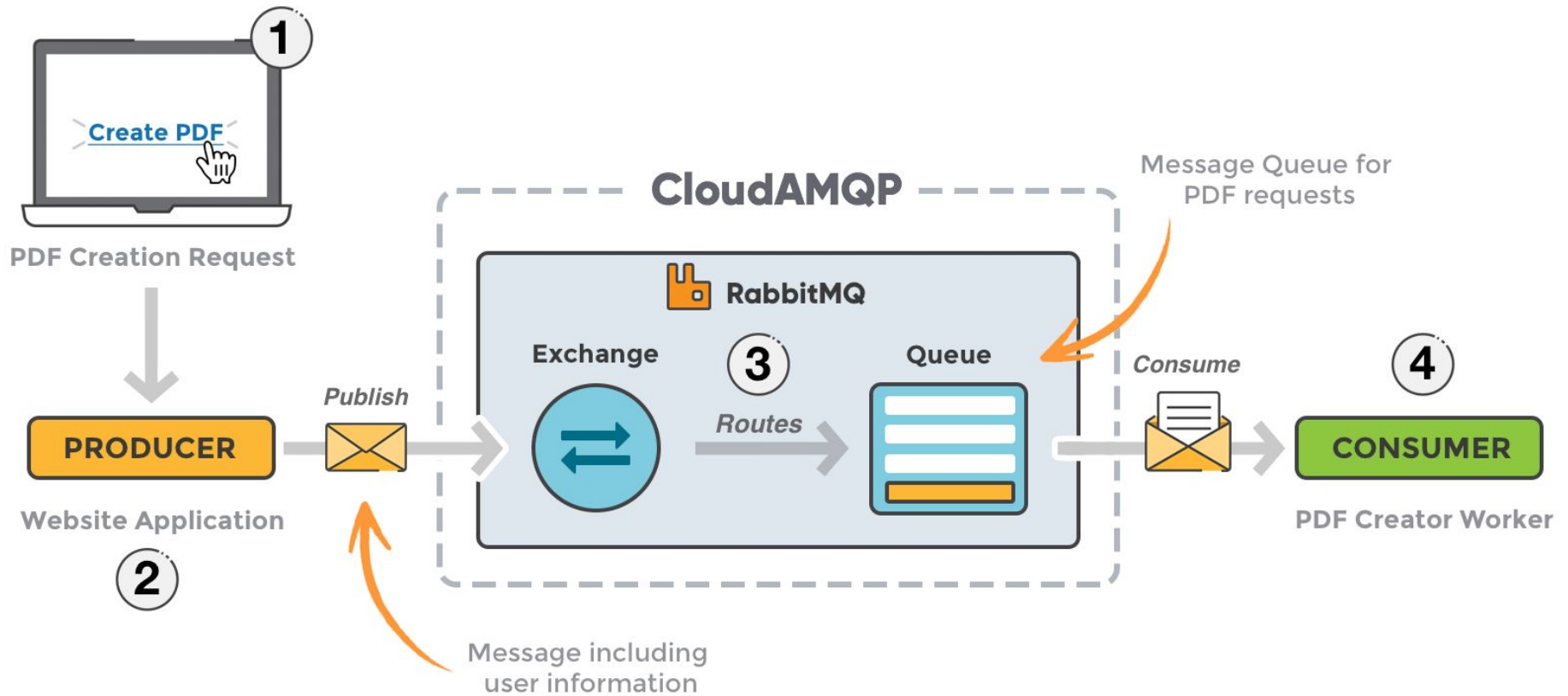
#Nos permite trabalhar com envio de mensagens **assíncronas**.

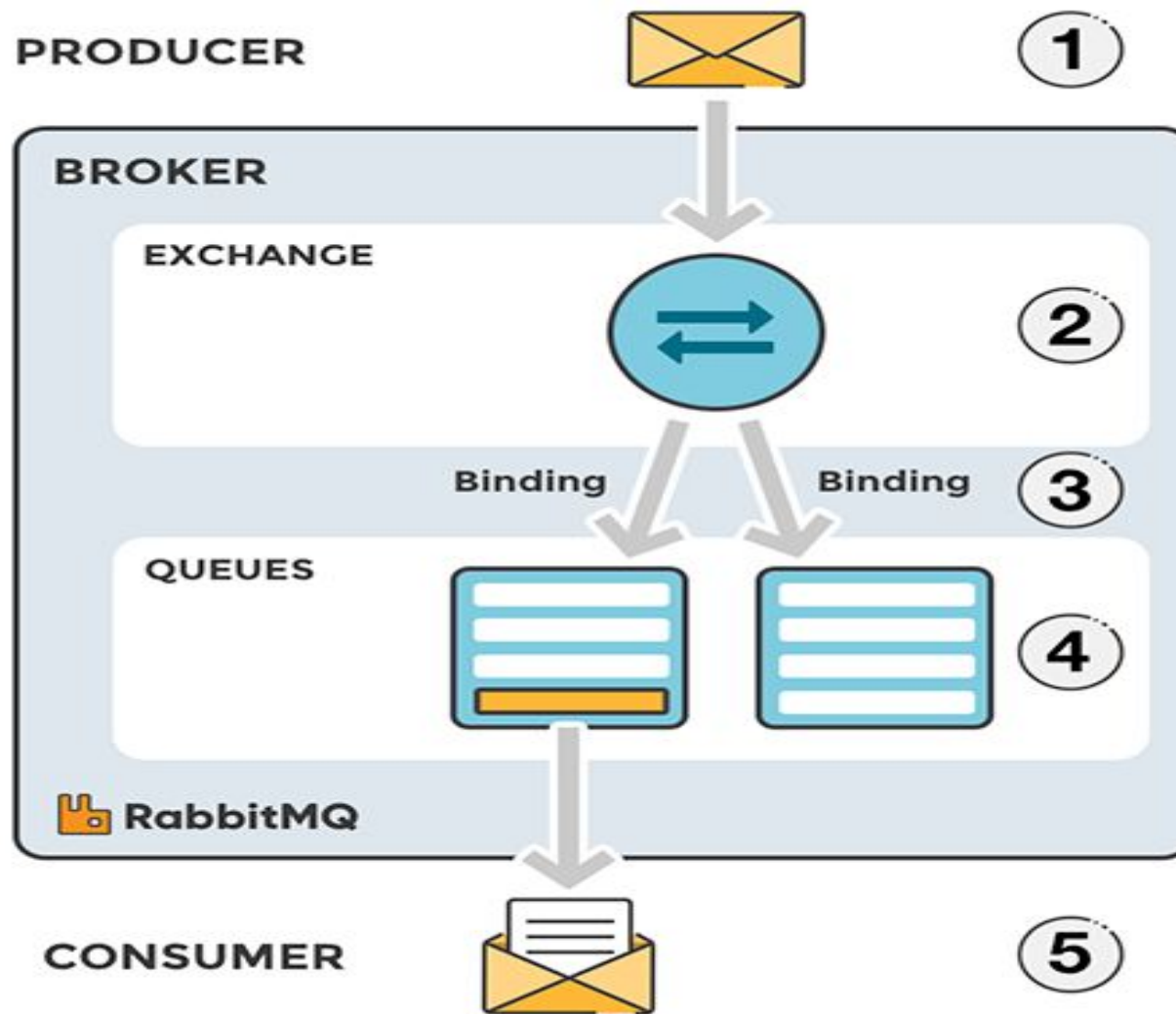
#Existem algumas formas de se implementar, as três mais conhecidas são: **Workers, Pub/Sub e RPC**.

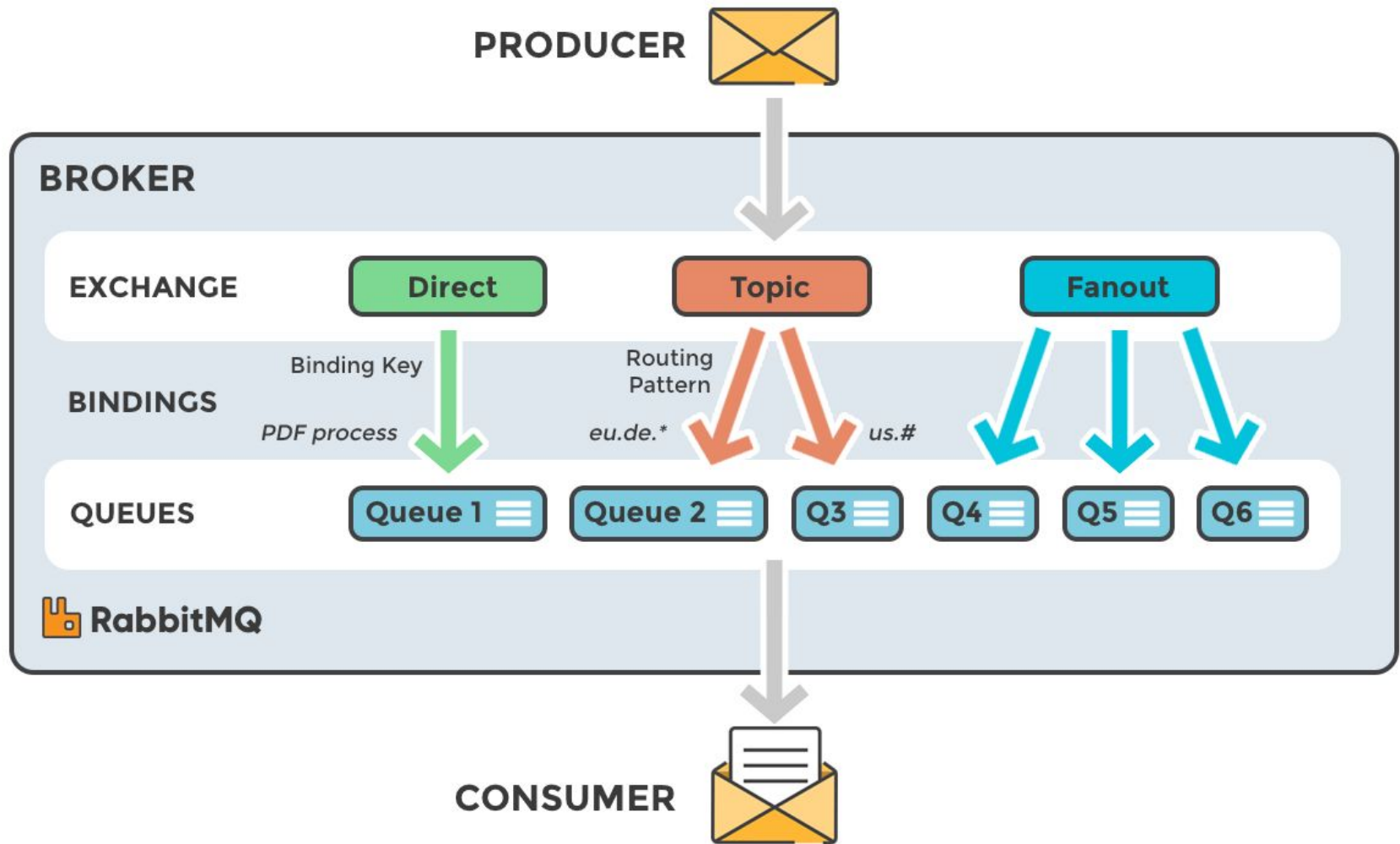
#Escrito em **Erlang**



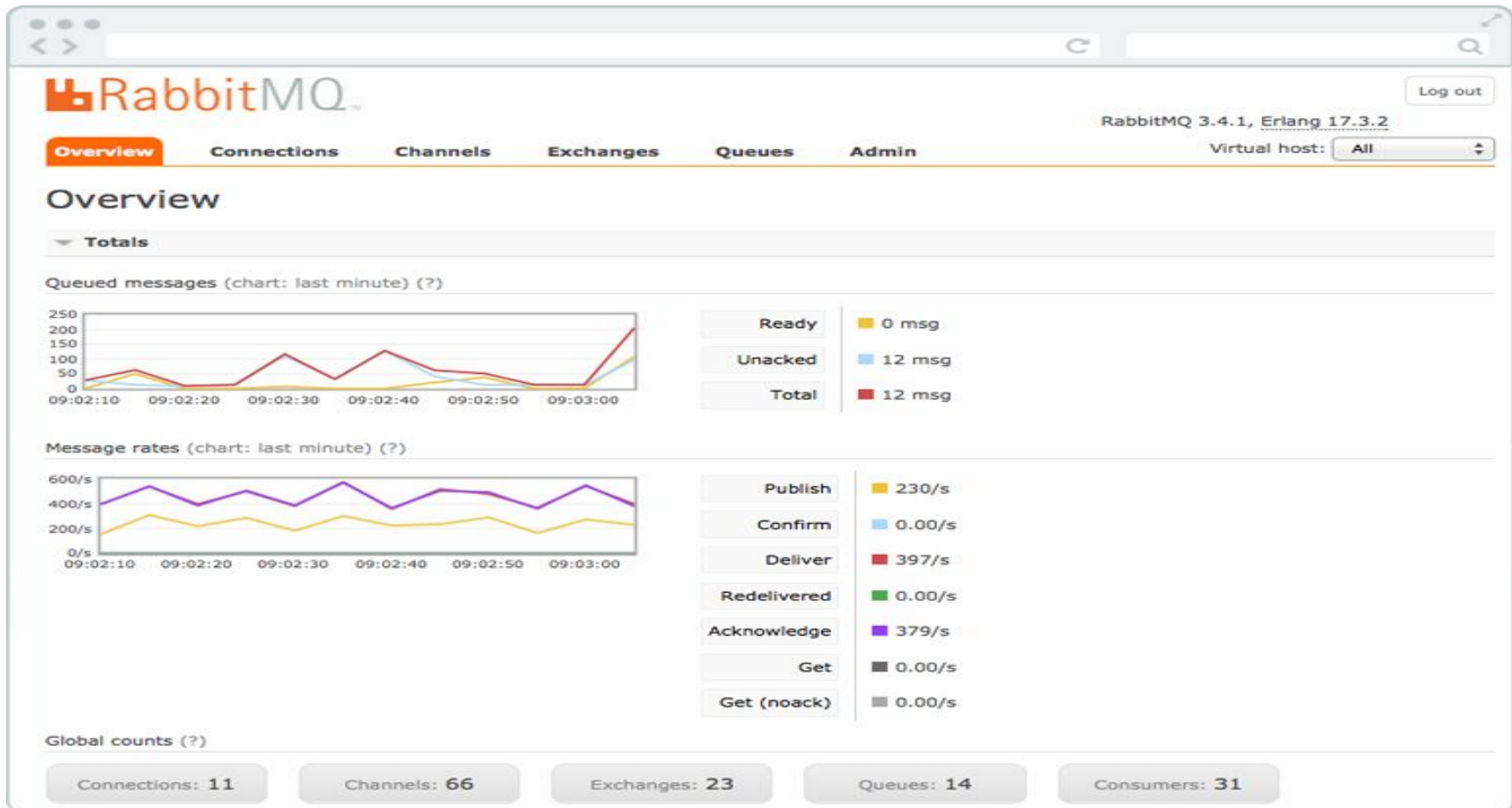








# Interface RabbitMQ



# Connections

**RabbitMQ**

Overview **Connections** Channels Exchanges Queues Admin

RabbitMQ 3.4.1, Erlang 17.3.2

Virtual host: **All**

Connections

Filter:  ☐ Regexp (?)

11 items (show at most **100**)

Overview			Details				Network			
Virtual host	Name	User name	State	SSL / TLS	Protocol	Channels	From client	To client	Heartbeat	Connected at
/	10.10.131.26:56838	admin	running	o	AMQP 0-9-1	1	0B/s (5.1MB total)	0B/s (49MB total)	580s	16:08:11 2015-05-05
elaphant@	66.255.27.241:56839	hqs@elaphant	running	o	AMQP 0-9-1	10	235B/s (12MB total)	4.6kB/s (221MB total)	580s	22:45:04 2015-05-26
elaphant@	64.86.157.199:56841	hqs@elaphant	running	o	AMQP 0-9-1	33	3.2kB/s (17MB total)	0B/s (4.2kB total)	10s	11:31:52 2015-05-27
elaphant@	107.10.41.189:24402	hqs@elaphant	running	o	AMQP 0-9-1	4	3.7kB/s (197MB total)	733kB/s (21GB total)	580s	22:28:46 2015-05-26
elaphant@	107.10.41.189:24403	hqs@elaphant	running	o	AMQP 0-9-1	0	0B/s (1.8kB total)	0B/s (1.2kB total)	580s	22:28:46 2015-05-26
elaphant@	66.255.27.241:56840	hqs@elaphant	running	o	AMQP 0-9-1	1	30kB/s (913MB total)	0B/s (19kB total)	10s	06:06:23 2015-05-27
elaphant@	66.255.27.241:56841	hqs@elaphant	running	o	AMQP 0-9-1	2	1.3kB/s (54MB total)	61kB/s (2.4GB total)	580s	13:35:47 2015-05-26
elaphant@	107.10.41.189:24404	hqs@elaphant	running	o	AMQP 0-9-1	0	0B/s (2.7kB total)	0B/s (1.6kB total)	580s	13:35:47 2015-05-26
elaphant@	66.255.27.241:56842	hqs@elaphant	running	o	AMQP 0-9-1	1	435kB/s (16GB total)	2B/s (54kB total)	10s	17:41:18 2015-05-26
elaphant@	66.255.27.241:56843	hqs@elaphant	running	o	AMQP 0-9-1	10	3.2kB/s (280MB total)	47kB/s (3.7GB total)	580s	12:50:06 2015-05-26
elaphant@	64.297.242.81:45400	hqs@elaphant	running	o	AMQP 0-9-1	4	1.4kB/s (30MB total)	200kB/s (6.7GB total)	580s	04:19:12 2015-05-27

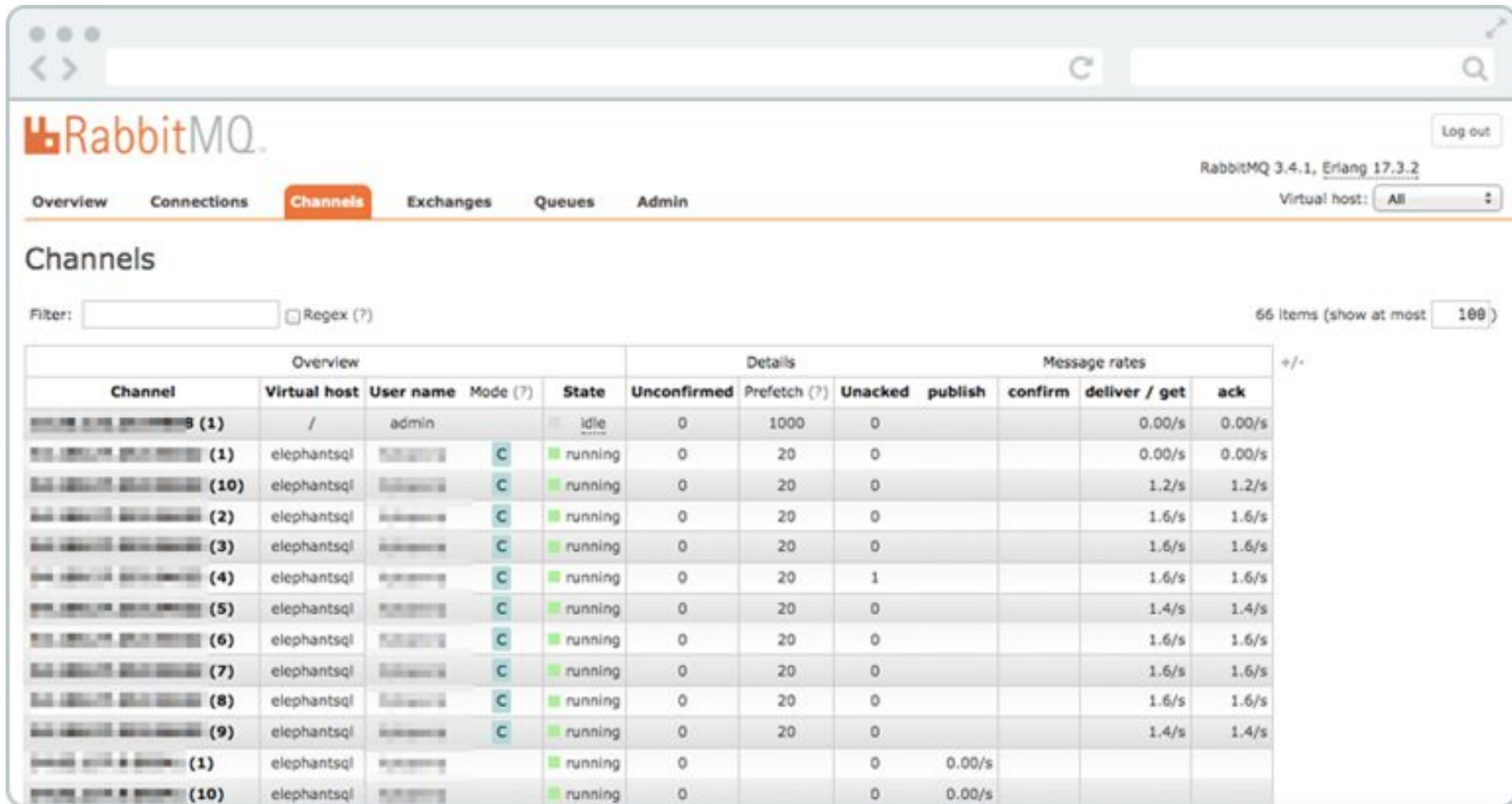
HTTP API | Command Line

Update **every 5 seconds**





# Channels



The screenshot shows the RabbitMQ web interface. At the top, there's a navigation bar with tabs: Overview, Connections, Channels (selected), Exchanges, Queues, and Admin. The RabbitMQ logo is on the left, and the version 'RabbitMQ 3.4.1, Erlang 17.3.2' is on the right. A 'Log out' button is also present. Below the navigation bar, the title 'Channels' is displayed. A filter input field and a 'Regex (?)' checkbox are on the left. On the right, it says '66 Items (show at most 100)'. The main content is a table with columns for Overview and Details. The Overview columns are Channel, Virtual host, User name, Mode (?), and State. The Details columns are Unconfirmed, Prefetch (?), Unacked, publish, confirm, deliver / get, and ack. The table lists 10 channels, mostly in the 'elephantsql' virtual host, with various states like 'idle' or 'running'.

Overview					Details						
Channel	Virtual host	User name	Mode (?)	State	Unconfirmed	Prefetch (?)	Unacked	publish	confirm	deliver / get	ack
(1)	/	admin		idle	0	1000	0			0.00/s	0.00/s
(1)	elephantsql		C	running	0	20	0			0.00/s	0.00/s
(10)	elephantsql		C	running	0	20	0			1.2/s	1.2/s
(2)	elephantsql		C	running	0	20	0			1.6/s	1.6/s
(3)	elephantsql		C	running	0	20	0			1.6/s	1.6/s
(4)	elephantsql		C	running	0	20	1			1.6/s	1.6/s
(5)	elephantsql		C	running	0	20	0			1.4/s	1.4/s
(6)	elephantsql		C	running	0	20	0			1.6/s	1.6/s
(7)	elephantsql		C	running	0	20	0			1.6/s	1.6/s
(8)	elephantsql		C	running	0	20	0			1.6/s	1.6/s
(9)	elephantsql		C	running	0	20	0			1.4/s	1.4/s
(1)	elephantsql			running	0		0	0.00/s			
(10)	elephantsql			running	0		0	0.00/s			



# Exchanges

RabbitMQ

Overview Connections Channels **Exchanges** Queues Admin

Log out

RabbitMQ 3.4.3, Erlang 17.4

Virtual host: All

## Exchanges

▼ All exchanges

Filter:  ☐ Regex (?)

531 items (only showing first 100)

Virtual host	Name	Type	Features	Message rate in	Message rate out +/-
ytobwvmd	(AMQP default)	direct	D HA		
ytobwvmd	84codes	x-recent-history	D Args HA	0.00/s	
ytobwvmd	all	topic	D HA		
ytobwvmd	amq.direct	direct	D		
ytobwvmd	amq.fanout	fanout	D		
ytobwvmd	amq.headers	headers	D		
ytobwvmd	amq.match	headers	D		
ytobwvmd	amq.rabbitmq.trace	topic	D I		
ytobwvmd	amq.topic	topic	D		



# Queues

RabbitMQ

RabbitMQ 3.4.1, Erlang 17.3.2

Log out

Virtual host: All

Overview Connections Channels Exchanges **Queues** Admin

## Queues

▼ All queues

Filter: server- ☐ Regex (?)

2 of 14 items selected (show at most 100)

Overview				Messages				Message rates			+/-
Virtual host	Name	Features	State	Ready	Unacked	Persistent	Total	incoming	deliver / get	ack	
hptqevnp	server-metrics-alarms.cpu	D HA	running	0	0	0	0	42/s	49/s	51/s	
hptqevnp	server-metrics-alarms.memory	D HA	running	11	10	0	21	87/s	114/s	115/s	

► Add a new queue

HTTP API | Command Line

Update every 5 seconds



# Bindings

**▼ Bindings**

From	Routing key	Arguments	
(Default exchange binding)			
exchange	routingKey		Unbind

⇓

This queue

Add binding to this queue

From exchange:

Routing key:

Arguments:  =  String

Bind



# Publish Masseur

**▼ Publish message**

Message will be published to the default exchange with routing key **server-metrics-alarms.cpu**, routing it to this queue.

Delivery mode:

Headers: (?)  =

Properties: (?)  =

Payload:

