

RabbitMQ



Overview

RabbitMQ is an AMQP (Advanced Messaging Queuing Protocol) message broker. It supports multiple messaging protocols, message queuing, delivery acknowledgement, flexible routing to queues and multiple exchange types

RabbitMQ can be deployed with Docker, Puppet, Chef and BOSH

RabbitMQ can be deployed as clusters for high availability and can be federated across multiple availability zones and regions

Protocol Support

AMQP 0-9-1 Core binary protocol with strong messaging semantic. Good library support across programming languages and environments.

STOMP Simplicity text-based protocol. **Requires plugin*

MQTT Lightweight binary pub/sub. **Requires plugin*

AMQP 1.0 Lower semantic requirements, but more complex protocol than AMQP 0-9-1. **Requires plugin*

HTTP & Websockets */*Utilizes Web STOMP plugin, Web MQTT plugin or management plugin*

AMQP 0-9-1 Model

cdc

dedede

dede

Key Terms

Publishers

Exchanges fefe

Routes

Queues fefe

Topics fefe

Subscribers Consumer

Bindings

Useful links

https://www.rabbitmq.com/	🏠 RabbitMQ home
https://hub.docker.com/_/rabbitmq/	Docker image
https://www.rabbitmq.com/ec2.html	AWS hosting information

Command Line Tools

rabbitmqctl	Service management and operator tasks
rabbitmq-diagnostics	Diagnostics/Health check
rabbitmq-plugins	Plugin management
rabbitmqadmin	Operator tasks over HTTP API

Useful commands

Desri- ption	Windows -	Linux
Show queues and message count	<code>rabbit mqc tl.bat list_q ue ues</code>	<code>sudo rabbit mq es</code>



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