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 AMWP 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

Description	Windows -	Linux
Show queues and message count	`rabbitmqctl.bat list_queues`	`sudo rabbitmqctl list_queues`