

CentOS7单机部署RabbitMQ

一. 部署RabbitMQ

1.1 安装必备的依赖关系包
yum -y install gcc glibc-devel make ncurses-devel openssl-devel xmlto perl

1.2 编译安装erlang

下载：1http://www.erlang.org/download/otp_src_20.1.tar.gz
安装：
[root@localhost otp_src_20.1]# ./configure --prefix=/usr/local/src/erlang
[root@localhost otp_src_20.1]# make && make install

1.3 将Erlang添加至系统环境变量

```
vim /etc/profile
export ERL_HOME=/usr/local/src/erlang
export PATH=$ERL_HOME/bin:$PATH

source /etc/profile
```

```
[root@localhost erlang]# erl
Erlang/OTP 20 [erts-9.1] [source] [64-bit] [smp:1:1] [ds:1:1:10] [async-threads:10] [hipe] [kernel-poll:false]

Eshell V9.1 (abort with ^G)
1> █
```

综上erlang语言开发环境已成功安装。

二.安装RabbitMQ

2.1 下载
<https://www.rabbitmq.com/releases/rabbitmq-server/v3.6.15/>

2.2 解压
[root@localhost src]# tar -xvf rabbitmq-server-generic-unix-3.6.15.tar.xz

2.3 将RabbitMQ安装至指定目录
[root@localhost src]# mv rabbitmq_server-3.6.15/ /usr/local/rabbitmq

2.4 启动服务
rabbitmq-server -detached(detached参数使得rabbitmq在后台运行)

```
[root@localhost sbin]# ls
rabbitmqctl  rabbitmq-defaults  rabbitmq-env  rabbitmq-plugins  rabbitmq-server

[root@localhost sbin]#
[root@localhost sbin]#
[root@localhost sbin]# ./rabbitmq-server

                RabbitMQ 3.6.15. Copyright (C) 2007-2018 Pivotal Software, Inc.
##  ##          Licensed under the MPL.  See http://www.rabbitmq.com/
##  ##
##### Logs:  /usr/local/rabbitmq/var/log/rabbitmq/rabbit@localhost.log
#####  ##    /usr/local/rabbitmq/var/log/rabbitmq/rabbit@localhost-sasl.log
#####
Starting broker...
```

2.5 查看状态

```
[root@localhost sbin]# ./rabbitmqctl status
Status of node rabbit@localhost
[{pid,96149},
 {running_applications,
  [{rabbit,"RabbitMQ","3.6.15"},
   {mnesia,"MNESIA  CXC 138 12","4.15.1"},
   {rabbit_common,
    "Modules shared by rabbitmq-server and rabbitmq-erlang-client",
    "3.6.15"},
   {xmerl,"XML parser","1.3.15"},
   {ranch,"Socket acceptor pool for TCP protocols.,"1.3.2"},
   {ssl,"Erlang/OTP SSL application","8.2.1"},
   {public_key,"Public key infrastructure","1.5"},
   {asn1,"The Erlang ASN1 compiler version 5.0.3","5.0.3"},
   {os_mon,"CP0  CXC 138 46","2.4.3"},
   {compiler,"ERTS  CXC 138 10","7.1.2"},
```

综上RabbitMQ成功启动！

三. 配置网页插件
处于安全的考虑 guest这个默认的用户只能通过<http://localhost:15672>来登录，其他的IP无法直接使用这个账号；这对于服务器上没有安装桌面的情况是无法管理维护的，除非通过在前面添加一层代理向外提供服务，这个又有些麻烦了，这里通过配置文件来实现这个功能。

启动插件
./rabbitmq-plugins enable rabbitmq_management

3.1 添加账号
[root@localhost sbin]# ./rabbitmqctl add_user rabbit rabbit
Creating user "rabbit"
Error: user_already_exists: rabbit

3.2 删除账号
[root@localhost sbin]# ./rabbitmqctl delete_user rabbit
Deleting user "rabbit"

3.3 用户授权
[root@localhost sbin]# ./rabbitmqctl set_permissions -p / rabbit "." "." "."
Setting permissions for user "rabbit" in vhost "/"

```
3.4 查看授权
[root@localhost sbin]# ./rabbitmqctl list_permissions -p /
Listing permissions in vhost "/"
rabbit .* .* .*
guest .* .* .*

3.5 添加角色
[root@localhost sbin]# ./rabbitmqctl set_user_tags rabbit administrator
Setting tags for user "rabbit" to [administrator]

3.6 查看权限
[root@localhost sbin]# ./rabbitmqctl list_users;
Listing users
rabbit [administrator]
guest [administrator]
```

```
[root@localhost sbin]# netstat -tuan | grep 15672
tcp        0      0 0.0.0.0:15672 0.0.0.0:*        LISTEN
```

验证RabbitMQ WEB管理界面：

← → ↺ 🔴 不安全 | 172.16.70.251:15672/#/ 🔑 ☆ 🌐 🍌 👤 ⋮

Refreshed 2019-08-14 15:24:21 Refresh every 5 seconds ⌵

Virtual host All ⌵

Cluster **rabbit@localhost**

User **rabbit** Log out

RabbitMQ™ 3.6.15 Erlang 20.1

OverviewConnectionsChannelsExchangesQueuesAdmin

Overview

▼ Totals

Queued messages last minute ?

Currently idle

Message rates last minute ?

Currently idle

Global counts ?

Connections: 0 Channels: 0 Exchanges: 8 Queues: 0 Consumers: 0

▼ Nodes

Name	File descriptors ?	Socket descriptors ?	Erlang processes	Memory	Disk space	Uptime	Info	Reset stats	+/-
rabbit@localhost	<div>31</div> 1024 available	<div>0</div> 829 available	<div>331</div> 1048576 available	<div>62MB</div> 389MB high watermark48MB low watermark	<div>13GB</div>	17m 56s	basic disc 1	This node All nodes	

综上：单机版RabbitMQ部署成功！