README

本文是对 `TaskServer` 和 `Worker` 服务器部署的简要说明

TaskServer

HAProxy

Use the `apt-get` command to install HAProxy.

```
sudo apt-get update
sudo apt-get install haproxy
```

We need to enable HAProxy to be started by the init script.

```
vim /etc/default/haproxy
```

Set the `ENABLED` option to 1

```
ENABLED=1
```

Configuring HAProxy

We'll move the default configuration file and create our own one.

```
sudo mv /etc/haproxy/haproxy.cfg{,.bak}
```

Create and edit a new configuration file:

```
sudo vim /etc/haproxy/haproxy.cfg
```

```
global
    log 127.0.0.1 local0 notice
    maxconn 2000
    user haproxy
    group haproxy
defaults
    log     global
    mode    http
    option  httplog
    option  dontlognull
    retries 3
    option redispatch
    timeout connect  5000
    timeout client   10000
    timeout server   10000
listen appname 0.0.0.0:80
    mode http
    stats enable
    stats uri /haproxy
    stats realm Strictly\ Private
    stats auth admin:admin
    balance roundrobin
    option httpclose
    option forwardfor
    server query-server 13.141.43.227:80 check
    #rabbitmq status
    acl rabbitmq hdr_end(host) -i rabbitmq.query-server.dev
    use_backend rabbitmq_backend if rabbitmq
    #ganglia
    #acl ganglia hdr_end(host) -i ganglia.query-server.dev
    #use_backend ganglia_backend if ganglia

backend rabbitmq_backend
    server query-server 127.0.0.1:15672 check
```

```
sudo service haproxy restart
```

RabbitMQ

```
#添加 RabbitMQ 的singing-key-public.
wget http://www.rabbitmq.com/rabbitmq-signing-key-public.asc
sudo apt-key add rabbitmq-signing-key-public.asc

echo "deb http://www.rabbitmq.com/debian/ testing main" >> /etc/apt/sources.list

sudo apt-get update
sudo apt-get install rabbitmq-server
```

或者

```
dpkg -i http://www.rabbitmq.com/releases/rabbitmq-server/v3.2.2/rabbitmq-
server_3.2.2-1_all.deb
```

安装控制插件，查看列表：

```
sudo rabbitmq-plugins list
sudo rabbitmq-plugins enable rabbitmq_management
```

一旦设成enable，你将看到以下几个选中：

```
[e] amqp_client                          3.2.2
[ ] cowboy                               0.5.0-rmq3.2.2-git4b93c2d
[ ] eldap                                3.2.2-gite309de4
[e] mochiweb                             2.7.0-rmq3.2.2-git680dba8
[ ] rabbitmq_amqp1_0                     3.2.2
[ ] rabbitmq_auth_backend_ldap           3.2.2
[ ] rabbitmq_auth_mechanism_ssl          3.2.2
[ ] rabbitmq_consistent_hash_exchange    3.2.2
[ ] rabbitmq_federation                  3.2.2
[ ] rabbitmq_federation_management       3.2.2
[ ] rabbitmq_jsonrpc                     3.2.2
[ ] rabbitmq_jsonrpc_channel             3.2.2
[ ] rabbitmq_jsonrpc_channel_examples    3.2.2
[E] rabbitmq_management                  3.2.2
[e] rabbitmq_management_agent            3.2.2
[ ] rabbitmq_management_visualiser       3.2.2
[ ] rabbitmq_mqtt                        3.2.2
[ ] rabbitmq_shovel                      3.2.2
[ ] rabbitmq_shovel_management           3.2.2
[ ] rabbitmq_stomp                       3.2.2
[ ] rabbitmq_tracing                     3.2.2
[e] rabbitmq_web_dispatch                3.2.2
[ ] rabbitmq_web_stomp                   3.2.2
[ ] rabbitmq_web_stomp_examples          3.2.2
[ ] rfc4627_jsonrpc                      3.2.2-git5e67120
[ ] sockjs                               0.3.4-rmq3.2.2-git3132eb9
[e] webmachine                           1.10.3-rmq3.2.2-gite9359c7
```

重启服务后，改变将生效。

```
sudo service rabbitmq-server restart
```

首先创建一个用户

```
sudo rabbitmqctl add_user user-name your-password

#Give new user administration privileges
sudo rabbitmqctl set_user_tags admin administrator`

#Lets assign permissions to admin user
sudo rabbitmqctl set_permissions -p / admin ".*" ".*" ".*"


#Delete the default guest account
sudo rabbitmqctl delete_user guest

#Restart the server for the changes to take effect.
sudo service rabbitmq-server restart
```

Lastly, navigate to http://localhost:55672 to view the web interface for your RabbitMQ server

RedisServer

```
sudo apt-get install redis-server
```

修改监听地址

```
#/etc/redis/redis.conf


...
#bind 127.0.0.1
bind 0.0.0.0
...
```

NFS-Server

```
sudo apt-get install nfs-kernel-server
sudo mkdir -p /dmsdocs/datastore
sudo chown david: /dmsdocs/datastore
echo "/dmsdocs/datastore  13.141.43.0/24(rw,sync,no_subtree_check)" >
/etc/exports
sudo service nfs-kernel-server restart
```

启动服务

```
cd dms/bin
python uploading_watcher.py
```

Worker

修改 `/etc/hosts` 文件，添加 `taskserver` 地址

```
cd install-pkg/worker && ./install.sh

sudo mkdir -p /dmsdocs/datastore

sudo mount taskserver:/dmsdocs/datastore /dmsdocs/datastore

ln -s dms/bin/run-worker.sh run-worker

./run-worker
```

All Done .