

CentOS6.5单服务器搭建FastDFS5.0.5

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虚拟机环境 :

CentOS 6.5

10.73.148.163

1.节点和服务关闭

```
service iptables stop
chkconfig iptables off
```

```
vi /etc/selinux/config
```

作如下修改 :

```
selinux=disable
```

1.设置文件夹

配置上传文件目录upload:/upload/test.jpg。

配置tracker所需的base_path: /opt/fastdfs_tracker。

配置storage所需的日志目录: /opt/fastdfs_storage_info。备注: 这个目录是用来存储storage之间同步文件等日志的

配置storage所需的存储文件目录: /opt/fastdfs_storage_data。备注: 这个目录是用来存储文件的

2.准备软件包

fastdfs-5.05.tar.gz

libfastcommon-1.0.7.tar.gz

fastdfs-nginx-module_v1.16.tar.gz

nginx-1.7.9.tar.gz

3.安装libfastcommon

```
yum -y install gcc gcc-c++
```

```
tar -zxvf /softwares/libfastcommon-1.0.7.tar.gz -C /usr/local
```

```
cd /usr/local/libfastcommon-1.0.7
```

```
./make.sh
```

```
./make.sh install
```

设置软连接

```
ln -s /usr/lib64/libfastcommon.so /usr/local/lib/libfastcommon.so
```

```
ln -s /usr/lib64/libfastcommon.so /usr/lib/libfastcommon.so
```

```
ln -s /usr/lib64/libbfdfsclient.so /usr/local/lib/libbfdfsclient.so
```

```
ln -s /usr/lib64/libbfdfsclient.so /usr/lib/libbfdfsclient.so
```

4.安装FastDFS

```
tar -zxvf /softwares/fastdfs-5.05.tar.gz -C /usr/local
```

```
cd /usr/local/fastdfs-5.05/
```

```
./make.sh
```

```
./make.sh install
```

5.配置tracker

```
cd /etc/fdfs
```

```
cp tracker.conf.sample tracker.conf
```

```
vi tracker.conf
```

作如下修改 :

```
disabled=false
```

```
port=22122
```

```
base_path=/opt/fastdfs_tracker
```

启动tracker :

```
/usr/bin/fdfs_trackerd /etc/fdfs/tracker.conf restart
```

测试启动tracker成功 :

```
netstat -unltp|grep fdfs
```

```
tail -n 100 /opt/fastdfs_tracker/logs/trackerd.log
```

加入开机启动 :

```
vi /etc/rc.d/rc.local
```

添加命令 : /usr/bin/fdfs_trackerd /etc/fdfs/tracker.conf restart

6.配置storage

```
cd /etc/fdfs
cp storage.conf.sample storage.conf
vi storage.conf
作如下修改 :
disabled=false
group_name=group1
port=23000
base_path=/opt/fastdfs_storage_info
store_path_count=0
store_path0=/opt/fastdfs_storage_data
tracker_server=10.73.148.163:22122
```

启动storage :
/usr/bin/fdfs_storage /etc/fdfs/storage.conf restart

测试启动storage成功 :
netstat -unltp|grep fdfs
tail -n 100 /opt/fastdfs_storage_info/logs/storaged.log

加入开机启动 :
vi /etc/rc.d/rc.local
添加命令 :
/usr/bin/fdfs_storage /etc/fdfs/storage.conf restart

7.在storage中安装nginx

yum install -y pcre pcre-devel zlib zlib-devel openssl openssl-devel

```
mkdir /usr/local/nginx
tar -zxvf /softwares/fastdfs-nginx-module_v1.16.tar.gz -C /usr/local
tar -zxvf /softwares/nginx-1.7.9.tar.gz -C /usr/local
```

```
cd /usr/local/fastdfs-nginx-module
vi conf
找到包含CORE_INCS这个一行，将路径中local全部去掉，即修改为 :
CORE_INCS="$CORE_INCS /usr/include/fastdfs /usr/include/fastcommon/"
```

```
cd /usr/local/nginx-1.7.9
./configure --prefix=/usr/local/nginx --add-module=/usr/local/fastdfs-nginx-module/src
make
make install
```

```
cd /usr/local/nginx/conf
vi nginx.conf
编辑如下 :
listen 8080;
在server段中添加 :
location ~/group1/M00{
    root /opt/fastdfs_storage_data;
    ngx_fastdfs_module;
}
```

```
cp /usr/local/fastdfs_nginx_module/src/mod_fastdfs.conf /etc/fdfs
cd /etc/fdfs
vi mod_fastdfs.conf
作如下修改
base_path=/opt/fastdfs_storage_info
tracker_server=10.73.148.163:22122
storage_server_port=23000
group_name=group1
url_have_group_name = true
store_path_count=0
store_path0=/opt/fastdfs_storage_data
group_count= 0
```

```
ln -s /opt/fastdfs_storage_data/data /opt/fastdfs_storage_data/data/M00
```

```
/usr/local/nginx/sbin/nginx  
curl 10.73.148.163:8080
```

8.测试上传

```
cd /etc/fdf  
vi client.conf
```

作如下编辑

```
base_path=/opt/fastdfs_tracker  
tracker_server=10.73.148.163:22122
```

上传文件：

```
/usr/bin/fdfs_upload_file /etc/fdfs/client.conf /upload/test.jpg
```

根据返回路径，在浏览器中访问下述地址

<http://10.73.148.163:8080/group1/M00/00/00/wKjgGlVYgi6AAv3tAAADv4ZzcQ572.jpg>

如能正常访问，即配置成功。

8.参考资料

分布式存储 CentOS6.5虚拟机环境搭建FastDFS-5.0.5集群

<http://www.open-open.com/lib/view/open1435468300700.html>

[FastDFS] fastdfs5.0.5+nginx安装

<http://bbs.chinaunix.net/thread-4164016-1-1.html>