naga安装部署文档

golang 部分安装部署相关

测试机器 （发布机）环境准备

1. 用镜像id：uimage-alfcth 作为镜像初始化机器 (机器8核16g 500g外载磁盘即可)
2. 代码下载

   ```
   mkdir -p /data/go/src
   cd /data/go/src
   git clone git@gitee.com:zuoyehezi/naga.git
   ```
3. 安装golang

```
cd ~
wget https://www.golangtc.com/static/go/1.9.2/go1.9.2.linux-amd64.tar.gz
tar -zvxf go1.92.linux-amd64.tar.gz
sudo mv go /usr/local/go
vi /etc/profile
export PATH=$PATH:/usr/local/go/bin
export GOROOT=/usr/local/go
export GOPATH=/data/go:/data/go/src/naga/songofsiren
go get github.com/fvbock/endless
go get github.com/gin-gonic/gin
go get github.com/streadway/amqp
go get github.com/pierrre/imageutil
```
4.其他
```
mkdir -p /data/log/naga/consumer/test/
mkdir -p /data/log/naga/api/test/
```

API

supervisor 配置管理

```
cd /etc/supervisor/conf.d/
vim naga_api_test.conf
[program:naga_api_test]
command=/data/go/src/naga/songofsiren/release/api/test/naga_api
directory=/data/go/src/naga/songofsiren/release/api/test
user=ubuntu
startretries=10
```

```
autostart=false
autorestart=true
loglevel = warn
stdout_logfile_maxbytes=50MB
stdout_logfile_backups=3
stdout_logfile=/data/log/supervisor/taskv0.1.0_supervisor_out.log
stderr_logfile=/data/log/supervisor/taskv0.1.0_supervisor_err.log
sudo supervisorctl update
```

发布test

发布新代码到测试
1. 代码更新 git pull
2. 编译 `cd cd /data/go/src/naga/songofsiren/src/api/main && sh make.sh test`
3. 发布 `cd /data/go/src/naga/songofsiren/release/api/test && ./naga_api restart`

CONSUMER

supervisor 配置管理

```
 cd /etc/supervisor/conf.d/
vim naga_consumer_test.conf
[program:naga_consumer_test]
command=/data/go/src/naga/songofsiren/release/consumer/test/naga_consumer
directory=/data/go/src/naga/songofsiren/release/consumer/test
user=ubuntu
startretries=10
autostart=true
autorestart=true
loglevel = warn
stdout_logfile_maxbytes=50MB
stdout_logfile_backups=3
stdout_logfile=/data/log/supervisor/consumer_test_supervisor_out.log
stderr_logfile=/data/log/supervisor/
sudo supervisorctl update
```

发布test

发布新代码到test
1. 代码更新 git pull
2. 编译 `cd cd /data/go/src/naga/songofsiren/src/consumer/main && sh make.sh test`
3. 发布 `cd /data/go/src/naga/songofsiren/release/consumer/test && sudo supervisorctl update naga_consumer_test`

识别系统

环境依赖

supervisorctl、nginx、python…

sudo mkdir -p /data/server

sudo mkdir -p /data/conf/nginx

sudo mkdir -p /data/conf/supervisord

sudo mkdir -p /data/log/nginx

sudo mkdir -p /data/log/supervisord

sudo chown -R build:build server

sudo chown -R build:build conf

sudo chown -R build:build log

sudo ln -s /home/build/anaconda3/envs/server/bin/gunicorn /bin/gunicorn

nginx启动

```
scp build@10.42.73.1:/data/server/test/nginx/conf/*conf /usr/local/nginx/server

cd /usr/local/nginx && sudo ./nginx -s reload
```

验证是否启动成功

ss -antp|grep 6000|wc #== 1

ss -antp|grep 7000|wc #== 1

ss -antp|grep 9000|wc #== 1

supervisord启动

```
scp -r build@10.42.73.1:/data/server/test/supervisor/* /data/conf/supervisor/

supervisord -c /data/conf/supervisor/supervisord.conf
```

验证是否启动成功

ps -ef|grep "/data/conf/supervisor/supervisord.conf"|wc #==1

识别子系统一：检测器

1、登陆测试机器

ssh build@10.19.31.38

2、部署代码

```
mkdir -p /data/server/maths/detector
```

```
cd /data/server/maths/detector
git clone https://gitee.com/knowboxdata/east_train.git

git checkout -b product origin/math_product_v2.1
```

3、安装依赖

```
scp -r build@10.42.73.1:/data/server/test/east_train/lanms/*.so
/data/server/maths/detector/east_train/lanms/
scp -r build@10.42.73.1:/data/server/test/east_train/model/*
/data/server/maths/detector/east_train/model/
scp -r build@10.42.73.1:/data/server/test/east_train/conf/*
/data/conf/supervisor/process
```

4、启动

```
supervisorctl update
supervisorctl -c /data/conf/supervisor/supervisrod.conf restart east_train1
```

5、验证 服务数量|服务可用性

```
scp -r build@10.42.73.1:/data/server/test/server_check/detector
/data/server/server_check/detector
python detector_server_check.py -h 0.0.0.0 -p 7000
```

系别子系统二：识别器

1、登陆测试机器
```
ssh build@10.19.31.38
```
2、部署代码
```
mkdir -p /data/server/maths/parser
cd /data/server/maths/parser
git clone https://gitee.com/knowboxAi/parser.git
git checkout -b dev2 origin/dev2
```
3、安装依赖

```
scp -r build@10.42.73.1:/data/server/test/bin/tensorflow_model_server
/data/server/bin/
scp -r build@10.42.73.1:/data/server/test/parser/pb/*
/data/server/maths/parser/pb/1/
scp -r build@10.42.73.1:/data/server/test/parser/conf/*
/data/conf/supervisor/process
```

4、启动
```
supervisorctl update
supervisorctl -c /data/conf/supervisor/supervisrod.conf restart parser_server1
```
5、验证 服务数量|服务可用性
```
scp -r build@10.42.73.1:/data/server/test/server_check/parser
/data/server/server_check/parser
python server_check.py -server parser -h 0.0.0.0 -p 6000
```