## 悟空CRM安装手册

环境为华为云N4主机（4核8G），安装有ubuntu 22.04操作系统，登录用户hifi

特别提示：完整安装需要16G内存，因此8G内存条件下，各组件均需限制内存上限

1. 后端代码安装

cd ~/gwork

git clone https://gitee.com/wukongcrm/crm\_pro.git

1. 中间件安装

Mysql已安装，用户hifi

Redis已安装

安装ElasticSearch引擎

tar zxvf elasticsearch-6.8.6.tar.gz

sudo mv elasticsearch-6.8.6 /usr/local/elasticsearch

cd /usr/local/elasticsearch/plugins/

sudo mkdir analysis-icu

cd analysis-icu

wget https://file.72crm.com/project/analysis-icu-6.8.6.zip

unzip analysis-icu-6.8.6.zip

安装Nacos注册中心

wget https://github.com/alibaba/nacos/releases/download/1.3.2/nacos-server-1.3.2.tar.gz

tar zxvf nacos-server-1.3.2.tar.gz

sudo mv nacos-server-1.3.2 /usr/local/nacos

安装Seata

wget https://github.com/seata/seata/releases/download/v1.3.0/seata-server-1.3.0.zip

unzip seata-server-1.3.0.zip

sudo mv seata /usr/local

安装Sentinel

wget https://github.com/alibaba/Sentinel/releases/download/v1.8.0/sentinel-dashboard-1.8.0.jar

1. Mysql数据初始化

进入目录：~/gwork/crm\_pro/DB

初始化Nacos数据

create database nacos;

use nacos;

source nacos.sql;

初始化其它数据

create database seata;

create database wk\_crm\_single;

create database xxl\_job;

use seata;

source seata.sql;

use wk\_crm\_single;

source wk\_crm\_single.sql;

use xxl\_job;

source xxl\_job.sql;

1. 启动Nacos

启动Nacos注册中心，8848端口，用户密码：nacos / nacos

cd /usr/local/nacos/bin

bash startup.sh -m standalone

确认可访问：http://n4.hifiax.com:8848/nacos

1. Seata参数配置&启动

Nacos创建命名空间seata：2bb072fc-7bd4-4d20-91ba-8e8c78cb14a5（$namespace\_id）

cd ~/gwork

git clone -b 1.3.0 https://github.com/seata/seata.git

cd ~/gwork/seata/script/config-center/nacos

bash nacos-config.sh -h localhost -p 8848 -g SEATA\_GROUP -t {$namespace\_id} -u nacos -w nacos

vi /usr/local/seata/conf/ registry.conf

注意有两处

type = "nacos"

namespace = "seata"

username = "nacos"

password = "nacos"

启动Seata，8091端口

nohup seata-server.sh&

1. 启动中间件

启动Sentinel ，8079端口，用户密码：sentinel / sentinel

nohup java -Dserver.port=8079 -Dcsp.sentinel.dashboard.server=localhost:8079 -Dproject.name=sentinel-dashboard -jar sentinel-dashboard-1.8.0.jar &

启动ElasticSearch

vi /usr/local/elasticsearch/config/jvm.options

-Xms256m

-Xmx256m

nohup elasticsearch&

执行命令确认状态：

curl localhost:9200/\_cluster/health?pretty

1. 启动后端

cd ~/gwork/crm\_pro

find . -name application-dev.yml

统一修改：redis密码、mysql用户、mysql密码，mysql参数添加：&allowPublicKeyRetrieval=true

vi admin/src/main/resources/application-dev.yml

vi gateway/src/main/resources/application-dev.yml

vi authorization/src/main/resources/application-dev.yml

vi oa/src/main/resources/application-dev.yml

vi crm/src/main/resources/application-dev.yml

vi work/src/main/resources/application-dev.yml

vi examine/src/main/resources/application-dev.yml

vi bi/src/main/resources/application-dev.yml

mvn clean

mvn compile

mvn package

cd gateway/target

nohup java -Xms128m -Xmx512m -jar wk\_gateway-0.0.1-SNAPSHOT.jar&

cd ../..

cd authorization/target

nohup java -Xms128m -Xmx512m -jar wk\_authorization-0.0.1-SNAPSHOT.jar&

cd ../..

cd admin/target

nohup java -Xms128m -Xmx512m -jar wk\_admin-0.0.1-SNAPSHOT.jar&

cd ../..

cd oa/target

nohup java -Xms128m -Xmx512m -jar wk\_oa-0.0.1-SNAPSHOT.jar&

cd ../..

cd work/target

nohup java -Xms128m -Xmx512m -jar wk\_work-0.0.1-SNAPSHOT.jar&

cd ../..

cd examine/target

nohup java -Xms128m -Xmx512m -jar wk\_examine-0.0.1-SNAPSHOT.jar&

cd ../..

cd bi/target

nohup java -Xms128m -Xmx512m -jar wk\_bi-0.0.1-SNAPSHOT.jar&

cd ../..

cd crm/target

nohup java -Xms128m -Xmx512m -jar wk\_crm-0.0.1-SNAPSHOT.jar&

执行./startall.sh可以一次启动8个应用

访问：http://n4.hifiax.com:8443/

管理员：admin / 123456

序列号：

用户：18918500692 / xingtian1

1. 查看启动日志

执行./cleanall.sh清理nohup.out文件

执行./statall.sh查看各模块是否启动成功

执行./checkall.sh查看各模块是否有报错

查看健康状况：

ps -ef | grep java

ps -ef | grep nacos

ps -ef | grep seata

ps -ef | grep elastic

ps -ef | grep mysql

ps -ef | grep redis

ps -ef | grep sentinel