# open-falcon安装文档

## 一、添加清华源

vim /etc/apt/sources.list

apt-get update

## 二、安装包

apt-get install redis-server mysql-server mysql-client git python python-pip virtualenv python-virtualenv libmysqld-dev libsasl2-dev libldap2-dev

## 三、授权mysql的root连接

mysql -uroot -p

grant all privleges on \*.\* to 'root'@'%' identified by 'gathink';

flush privileges;

## 四、下载源码的falcon-plus.git取数据库结构

git clone https://github.com/open-falcon/falcon-plus.git

cd falcon-plus/scripts/mysql/db\_schema/

mysql -uroot -pgathink < 1\_uic-db-schema.sql

mysql -uroot -pgathink < 2\_portal-db-schema.sql

mysql -uroot -pgathink < 3\_dashboard-db-schema.sql

mysql -uroot -pgathink < 4\_graph-db-schema.sql

mysql -uroot -pgathink < 5\_alarms-db-schema.sql

## 五、安装go语言环境

apt-get install golang

export GOPATH=/root/work

## 六、配置open-falcon数据库密码

mkdir /usr/local/open-falcon

cd /usr/local/open-falcon

tar xf open-falcon-v0.2.1.tar.gz

### 1、修改数据库密码root:gathink@tcp…..

vim aggregator/config/cfg.json

vim alarm/config/cfg.json

vim api/config/cfg.json

vim graph/config/cfg.json

vim hbs/config/cfg.json

vim nodata/config/cfg.json

vim transfer/config/cfg.json

### 2、启动后端-查看工作状态UP

./open-falcon start

./open-falcon check

## 七、安装前端

### 1、下载安装环境

cd /usr/local/open-falcon

git clone https://github.com/open-falcon/dashboard.git

virtualenv ./env

./env/bin/pip install -r pip\_requirements.txt

### 2、修改ldap配置

vim dashboard/rrd/config.py

LDAP\_ENABLED = os.environ.get("LDAP\_ENABLED",True)

LDAP\_SERVER = os.environ.get("LDAP\_SERVER","192.168.12.93:389")

LDAP\_BASE\_DN = os.environ.get("LDAP\_BASE\_DN","dc=gnetis,dc=com")

LDAP\_BINDDN\_FMT = os.environ.get("LDAP\_BINDDN\_FMT","uid=%s,dc=users,dc=gnetis,dc=com")

LDAP\_BINDDN = os.environ.get("LDAP\_BINDDN","cn=admin,dc=gnetis,dc=com")

LDAP\_BIND\_PASS = os.environ.get("LDAP\_BIND\_PASS","gathink")

LDAP\_SEARCH\_FMT = os.environ.get("LDAP\_SEARCH\_FMT","uid=%s")

LDAP\_ATTRS = ["cn","mail","mobile"]

### 3、修改连接数据库的密码32行和40行

vim dashboard/rrd/config.py

PORTAL\_DB\_PASS = os.environ.get("PORTAL\_DB\_PASS","gathink")

ALARM\_DB\_PASS = os.environ.get("ALARM\_DB\_PASS","gathink")

## 八、在服务端有go环境安装agent

### 1、创建go工作环境并下载agent

export GOPATH=/root/work

mkdir -p $GOPATH/src/github.com/open-falcon

cd $GOPATH/src/github.com/open-falcon

git clone https://github.com/open-falcon/agent.git

cd agent/

### 2、构建agent 并打包

go get ./...

./control build

./control pack

cp cfg.example.json cfg.json

### 3、修改地址

vim cfg.json

hostname “主机名”

ip “本机ip”

"heartbeat": {

"enabled": true,

"addr": "192.168.12.113:6030", Hearbeat所在主机ip

"interval": 60,

"timeout": 1000

},

"transfer": {

"enabled": true,

"addrs": [

"192.168.12.113:8433", transfer所在主机ip

"192.168.12.113:8433"

],

"interval": 60,

"timeout": 1000

},

scp falcon-agent-5.1.1.tar.gz root@192.168.12.123:/root/

### 4、客户端：

tar xf falcon-agent-5.1.1.tar.gz

cd falcon-agent-5.1.1

./control start

查看本机的监控

http://192.168.12.123:1988

## 九、安装邮件发送

### 1、使用官方的告警邮件发送程序

git clone https://github.com/open-falcon/mail-provider.git

cp –r mail-provider /$GOPATH/src/github.com/open-falcon

cd $GOPATH/src/github.com/open-falcon/mail-provider

文件名一定要是mail-provider

go get ./…

./control build

./control pack

cp falcon-mail-provider-0.0.1.tar.gz /usr/local/open-falcon/mail

tar xf falcon-mail-provider-0.0.1.tar.gz

vim cfg.json

"smtp": {

"addr": "192.168.12.63:25",

"username": "yufei.chen",

"password": "awsd=1793.COM",

"from": "yufei.chen@gnetis.com"

}

vim alarm/cfg.json

修改邮件接口"mail": "http://192.168.12.113:4000/sender/mail"

./contral start

### 2、使用自己制作的邮件告警发送程序



使用方法 python open-falconmailsend\_line.py

此脚本会监控0.0.0.0:4000端口接收告警值发送告警邮件

## 十、交换机监控

### 1、下载编译好的包

cd /usr/local/open-falcon/

wget https://github.com/gaochao1/swcollector/releases/download/4.0.6.3/falcon-swcollector-4.0.6.3.tar.gz

cp cfg.example.json cfg.json

### 2、修改ip范围和自定义监控项

vim cfg.json

./contral start

## 十一、监控windows服务器

### 1、准备

（客户端上不需要运行）：

脚本EXE文件制作：

安装cxfreeze 程序Python打包EXE

生成EXE文件：cxfreeze py路径 --target-dir 生成目标目录

C:\Python27\Scripts>cxfreeze C:\Users\yufei.chen\Desktop\pythonpackage\open-falconjk.pyw --target-dir C:\Users\yufei.chen\Desktop\pythonpackage\pak

### 2、使用：

添加计划任务 参数 端口在前 进程在后

例：cmd中

C:\Users\yufei.chen\Desktop\pythonpackage\pak\open-falconjk.exe 80 3306 cmd.exe mstsc.exe