## 代理配置手册

环境为从hicloud申请的虚机，安装有centos 7.2或者ubuntu 16.04操作系统。

可用的代理服务器：

proxy.huawei.com

openproxy.huawei.com

proxyhk.huawei.com

proxyse-rd.huawei.com

1. 基本访问（curl）代理

在.bashrc文件中设置：

export http\_proxy="http://h00406972:\_hifi2048@proxy.huawei.com:8080/"

export https\_proxy="http://h00406972:\_hifi2048@proxy.huawei.com:8080/"

export no\_proxy="10.71.156.200,10.71.156.242"

令其生效：

. .bashrc

检查：

curl www.baidu.com

curl www.google.com

2．CA证书

桌面云，IE – Internet选项 – 内容 – 证书 - Huawei Web Secure Internet Gateway CA – 导出

选择Base64格式，保存到/usr/local/share/ca-certificates/hw.crt

执行：

sudo update-ca-certificates

添加GPG证书：

curl -s https://packages.cloud.google.com/apt/doc/apt-key.gpg | apt-key add -

桌面云，存在d:\hw.cer

添加证书，密码为：changeit

keytool -import -trustcacerts -alias huaweiproxy -file d:\hw.cer -keystore "%JAVA\_HOME%\jre\lib\security\cacerts"

3．Apt代理

使用内网仓库

在/etc/apt/sources.list文件中设置：

deb http://rnd-mirrors.huawei.com/ubuntu/ xenial main multiverse restricted universe

deb http://rnd-mirrors.huawei.com/ubuntu/ xenial-backports main multiverse restricted universe

deb http://rnd-mirrors.huawei.com/ubuntu/ xenial-proposed main multiverse restricted universe

deb http://rnd-mirrors.huawei.com/ubuntu/ xenial-security main multiverse restricted universe

deb http://rnd-mirrors.huawei.com/ubuntu/ xenial-updates main multiverse restricted universe

deb-src http://rnd-mirrors.huawei.com/ubuntu/ xenial main multiverse restricted universe

deb-src http://rnd-mirrors.huawei.com/ubuntu/ xenial-backports main multiverse restricted universe

deb-src http://rnd-mirrors.huawei.com/ubuntu/ xenial-proposed main multiverse restricted universe

deb-src http://rnd-mirrors.huawei.com/ubuntu/ xenial-security main multiverse restricted universe

deb-src http://rnd-mirrors.huawei.com/ubuntu/ xenial-updates main multiverse restricted universe

内外网源无法混用，改为使用外网仓库（清华源）

在/etc/apt/sources.list文件中设置：

deb https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ xenial main restricted universe multiverse

# deb-src https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ xenial main restricted universe multiverse

deb https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ xenial-updates main restricted universe multiverse

# deb-src https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ xenial-updates main restricted universe multiverse

deb https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ xenial-backports main restricted universe multiverse

# deb-src https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ xenial-backports main restricted universe multiverse

deb https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ xenial-security main restricted universe multiverse

# deb-src https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ xenial-security main restricted universe multiverse

# deb https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ xenial-proposed main restricted universe multiverse

# deb-src https://mirrors.tuna.tsinghua.edu.cn/ubuntu/ xenial-proposed main restricted universe multiverse

添加自定义源（用于安装docker-ce）：

deb [arch=amd64] https://download.docker.com/linux/ubuntu xenial stable

在/etc/apt/apt.conf文件中设置代理：

Acquire::http::proxy "http://h00406972:\_hifi2046@proxy.huawei.com:8080/";

Acquire::ftp::proxy "http://h00406972:\_hifi2046@proxy.huawei.com:8080/";

Acquire::https::proxy "http://h00406972:\_hifi2046@proxy.huawei.com:8080/";

APT::Get::AllowUnauthenticated 1;

执行sudo apt update后即可安装软件包

4．Git代理

git config --global http.proxy http://h00406972:\_hifi2048@openproxy.huawei.com:8080/

git config --global https.proxy http://h00406972:\_hifi2048@openproxy.huawei.com:8080/

检查：

git clone https://github.com/hifi2046/goagent.git

5．Docker代理

设置docker代理：

sudo mkdir -p /etc/systemd/system/docker.service.d

sudo vi /etc/systemd/system/docker.service.d/http-proxy.conf

文件内容：

[Service]

Environment="http\_proxy=http://h00406972:\_hifi2046@proxy.huawei.com:8080" "https\_proxy=http://h00406972:\_hifi2046@proxy.huawei.com:8080" "NO\_PROXY=registry.dfr.huawei.com,localhost,127.0.0.1,10.71.156.200,10.71.156.242,S0"

重启docker服务，令配置生效：

sudo systemctl daemon-reload  
sudo systemctl restart docker

6．Maven代理

mvn --version ；3.3.9，home: /usr/share/maven

修改/usr/share/maven/conf/settings.xml

添加内容：

<proxies>

<proxy>

<id>optional</id>

<active>true</active>

<protocol>http</protocol>

<username>h00406972</username>

<password>\_hifi2047</password>

<host>proxy.huawei.com</host>

<port>8080</port>

<nonProxyHosts>local.net|some.host.com</nonProxyHosts>

</proxy>

<proxy>

<id>optional</id>

<active>true</active>

<protocol>https</protocol>

<username>h00406972</username>

<password>\_hifi2047</password>

<host>proxy.huawei.com</host>

<port>8080</port>

<nonProxyHosts>local.net|some.host.com</nonProxyHosts>

</proxy>

</proxies>

7．PIP代理

Hicloud访问内网资源，~/.pip/pip.conf文件内容：

[global]

trusted-host=rnd-mirrors.huawei.com

index-url=http://rnd-mirrors.huawei.com/pypi/simple/

注意要把rnd-mirrors.huawei.com加到no\_proxy设置中去

检查：

sudo pip install tensorflow

sudo pip install jupyter --proxy=http://h00406972:\_hifi2048@proxy.huawei.com:8080/

连不上

删掉~/.pip/pip.conf

sudo pip install jupyter --proxy=http://h00406972:\_hifi2048@proxy.huawei.com:8080/

可以安装

桌面云访问内网资源，用户名/pip/pip.ini

[global]

trusted-host=rnd-mirrors.huawei.com

index-url=http://rnd-mirrors.huawei.com/pypi/simple/

注意要把rnd-mirrors.huawei.com加到ie-局域网设置-高级（代理设置）-例外中去

检查：

pip install tensorflow

Hifi：不成功，报找不到版本

pip install tensorflow --proxy=http://h00406972:\_hifi2048@proxy.huawei.com:8080/

Hifi：连不上

pip search tensorflow --proxy=http://h00406972:\_hifi2048@proxy.huawei.com:8080/

Hifi：可以看到查询结果

桌面云访问内网资源，删掉pip.ini

pip install tensorflow --proxy=http://h00406972:\_hifi2048@proxy.huawei.com:8080/

Hifi：不成功，报SSL问题

便携机：<http://cmc-cd-mirror.rnd.huawei.com/mirror/help/Pypi>

文件：用户名/pip/pip.ini

[global]

trusted-host=cmc-cd-mirror.rnd.huawei.com

index-url=http://cmc-cd-mirror.rnd.huawei.com/pypi/simple/

8．Gradle代理

桌面云设置gradle.properties文件；不成功

systemProp.https.auth.ntlm.domain=CHINA

systemProp.https.proxyHost=openproxy.huawei.com

systemProp.https.proxyPort=8080

systemProp.https.proxyUser=h00406972

systemProp.https.proxyPassword=\_hifi2048

systemProp.https.nonProxyHosts=localhost|10.\*|\*.huawei\*

systemProp.http.auth.ntlm.domain=CHINA

systemProp.http.proxyHost=openproxy.huawei.com

systemProp.http.proxyPort=8080

systemProp.http.proxyUser=h00406972

systemProp.http.proxyPassword=\_hifi2048

systemProp.http.nonProxyHosts=localhost|10.\*|\*.huawei\*

9．Npm代理

npm config rm proxy

npm config rm http-proxy

npm config rm https-proxy

npm config set no-proxy .huawei.com

npm config set registry https://registry.npm.taobao.org

npm config set proxy http://h00406972:\_hifi2046@proxy.huawei.com:8080/

npm config set https-proxy http://h00406972:\_hifi2046@proxy.huawei.com:8080/

npm set strict-ssl false

export NODE\_TLS\_REJECT\_UNAUTHORIZED=0