**CentOS 7 安装使用Shadowsocks客户端**

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实验背景、由于安装k8s使用官方源需要使用代理，故在CentOS7配置代理、进行科学上网

**安装Shadowsocks客户端**

* 安装epel源、安装pip包管理

sudo yum -y install epel-release

sudo yum -y install python-pip

* 安装Shadowsocks客户端

sudo pip install shadowsocks

**配置Shadowsocks连接**

* 新建配置文件、默认不存在

sudo mkdir /etc/shadowsocks

sudo vi /etc/shadowsocks/shadowsocks.json

* 添加配置信息：前提是需要有ss服务器的地址、端口等信息

{

"server":"x.x.x.x", *# Shadowsocks服务器地址*

"server\_port":1035, *# Shadowsocks服务器端口*

"local\_address": "127.0.0.1", *# 本地IP*

"local\_port":1080, *# 本地端口*

"password":"password", *# Shadowsocks连接密码*

"timeout":300, *# 等待超时时间*

"method":"aes-256-cfb", *# 加密方式*

"fast\_open": false, *# true或false。开启fast\_open以降低延迟，但要求Linux内核在3.7+*

"workers": 1 *#工作线程数*

}

* 配置自启动

新建启动脚本文件/etc/systemd/system/shadowsocks.service，内容如下：

[Unit]

Description=Shadowsocks

[Service]

TimeoutStartSec=0

ExecStart=/usr/bin/sslocal -c /etc/shadowsocks/shadowsocks.json

[Install]

WantedBy=multi-user.target

* 启动Shadowsocks服务

systemctl enable shadowsocks.service

systemctl start shadowsocks.service

systemctl status shadowsocks.service

* 验证Shadowsocks客户端服务是否正常运行

curl --socks5 127.0.0.1:1080 http:*//httpbin.org/ip*

* Shadowsock客户端服务已正常运行，则结果如下：

{

"origin": "x.x.x.x" #你的Shadowsock服务器IP

}

**安装配置privoxy**

* 安装privoxy

yum install privoxy -y

systemctl enable privoxy

systemctl start privoxy

systemctl status privoxy

* 配置privoxy

修改配置文件/etc/privoxy/config

listen-address 127.0.0.1:8118 *# 8118 是默认端口，不用改*

forward-socks5t / 127.0.0.1:1080 . *#转发到本地端口，注意最后有个点*

* 设置http、https代理

*# vi /etc/profile 在最后添加如下信息*

PROXY\_HOST=127.0.0.1

export all\_proxy=http://$PROXY\_HOST:8118

export ftp\_proxy=http://$PROXY\_HOST:8118

export http\_proxy=http://$PROXY\_HOST:8118

export https\_proxy=http://$PROXY\_HOST:8118

export no\_proxy=localhost,172.16.0.0/16,192.168.0.0/16.,127.0.0.1,10.10.0.0/16

*# 重载环境变量*

source /etc/profile

* 测试代理

[root@aniu-k8s ~]# curl -I www.google.com

HTTP/1.1 200 OK

Date: Fri, 26 Jan 2018 05:32:37 GMT

Expires: -1

Cache-Control: private, max-age=0

Content-Type: text/html; charset=ISO-8859-1

P3P: CP="This is not a P3P policy! See g.co/p3phelp for more info."

Server: gws

X-XSS-Protection: 1; mode=block

X-Frame-Options: SAMEORIGIN

Set-Cookie: 1P\_JAR=2018-01-26-05; expires=Sun, 25-Feb-2018 05:32:37 GMT; path=/; domain=.google.com

Set-Cookie: NID=122=PIiGck3gwvrrJSaiwkSKJ5UrfO4WtAO80T4yipOx4R4O0zcgOEdvsKRePWN1DFM66g8PPF4aouhY4JIs7tENdRm7H9hkq5xm4y1yNJ-sZzwVJCLY\_OK37sfI5LnSBtb7; expires=Sat, 28-Jul-2018 05:32:37 GMT; path=/; domain=.google.com; HttpOnly

Transfer-Encoding: chunked

Accept-Ranges: none

Vary: Accept-Encoding

Proxy-Connection: keep-alive

* 取消使用代理

while read var; do unset $var; done < <(env | grep -i proxy | awk -F= '{print $1}')

**参考链接：**

* [http://blog.csdn.net/u012375924/article/details/78706910](https://link.jianshu.com/?t=http%3A%2F%2Fblog.csdn.net%2Fu012375924%2Farticle%2Fdetails%2F78706910)
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