

kamailio配置websocket, 并用jssip测试成功

笔记本: 我的第一个笔记本
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URL: <https://kamailio.org/docs/modules/devel/modules/xhttp.html>

系统环境:

centos7
kamailio-5.1.0
nginx-1.12.2

kamailio配置文件:

 kamailio.cfg
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参考xhttp和websocket的配置:

<https://kamailio.org/docs/modules/devel/modules/xhttp.html>
<https://kamailio.org/docs/modules/devel/modules/websocket.html>

xhttp最重要的是要设置: **tcp_accept_no_cl=yes**, 因为websocket发的GET请求没有 Content-Length, kamailio解析会报错。

主要:

```
loadmodule "xhttp.so"  
loadmodule "websocket.so"  
modparam("websocket", "verbose_list", 0)
```

1. 编译生成必须的模块

```
cd /root/kamailio-5.1.0/src/modules/websocket;make;make install  
cd /root/kamailio-5.1.0/src/modules/tls;make;make install  
cd /root/kamailio-5.1.0/src/modules/xhttp;make;make install
```

2. tls配置

用如下命令生成证书和私匙文件:

```
sudo openssl req -x509 -nodes -days 36500 -newkey rsa:2048 -keyout private/server.key -out server.crt
```

打开WITH_TLS的开个如: #!define WITH_TLS

配置tls:

```
#!/ifdef WITH_TLS  
# ----- tls params -----  
modparam("tls", "config", "/usr/local/kamailio/etc/kamailio/tls.cfg")  
#!/endif
```

修改tls.cfg文件内容如下图中红框里的内容 (执行上面命令生成的证书和私匙文件):

```

10 # We do not enable anything else than TLSv1
11 # over the public internet. Clients do not have
12 # to present client certificates by default.
13 #
14 [server:default]
15 method = TLSv1
16 verify_certificate = no
17 require_certificate = no
18 private_key = /etc/pki/nginx/private/server.key
19 certificate = /etc/pki/nginx/server.crt
20 #ca_list = ./modules/tls/cacert.pem
21 #crl = ./modules/tls/crl.pem
22
23 # This is the default client domain, settings
24 # in this domain will be used for all outgoing
25 # TLS connections that do not match any other
26 # client domain in this configuration file.
27 # We require that servers present valid certificate.
28 #
29 [client:default]
30 verify_certificate = yes
31 require_certificate = yes
32

```

```

#!ifdef WITH_TLS
    listen=tls:192.168.101.172:5061
    tls_port_no=5061
    enable_tls=yes
#!endif

```

3.客户端设置

3.1安装nginx

yum install nginx

安装完如下配置:

 nginx.conf
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3.2搭建客户端

cd到nginx.conf配置的web路径下面,从github上取client的代码:

git clone <https://github.com/netaudio/jssIP-demo.git>

浏览器打开:

http://192.168.101.172:85/VideoClient.html

配置如下:

sip phone表示被叫号码, login成功后自动开始呼叫。

视频坐席

用户名 : sip:1002@192.168.101.172

密 码 :

W S S : wss://192.168.101.172:5061

sip phone : 1001

☐ 保存设置

Login