Asterisk TLS

配置 Asterisk TLS 传输,以下三个为网络上的教程:

Configuring Asterisk with TLS enabled

SIP TLS Transport

Secure Calling Tutorial

Asterisk 配置

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1. 使用 Asterisk 源码中的工具生成 Asterisk 服务器及 SIP Phone 相关的验证文件:
      mkdir /etc/asterisk/tls
      cd /usr/src/asterisk-13.1.0/contrib/scripts/
      ./ast_tls_cert -C 172.16.200.80 -O "Asterisk Server" -d /etc/asterisk/tls (Asterisk 服务器验证文件)
      ./ast_tls_cert -m client -c /etc/asterisk/tls/ca.crt -k /etc/asterisk/tls/ca.key -C 172.16.8.180 -O "SIP Device" -d /etc/aster
1
 [root@localhost ~]# mkdir /etc/asterisk/tls
[root@localhost ~]# cd /usr/src/asterisk-13.1.0/contrib/scripts
 root@localhost scripts]# ./ast_tls_cert -C 172.16.200.80
                                                                              "Asterisk Server" -d /etc/asterisk/tls
Enter pass phrase for /etc/asterisk/tls/ca.key:
Verifying - Enter pass phrase for /etc/asterisk/tls/ca.key:
Creating CA certificate /etc/asterisk/tls/ca.crt
Enter pass phrase for /etc/asterisk/tls/ca.key: 🛹
Creating certificate /etc/asterisk/tls/asterisk.key
 Enter pass phrase for /etc/asterisk/tls/ca.key: 🦊
 root@localhost scripts]# ./ast_tls_cert
"SIP Device" -d /etc/asterisk/tls -o 80
                                                    -m client -c /etc/asterisk/tls/ca.crt -k /etc/asterisk/tls/ca.key -C 172.16.8.180
 Creating certificate /etc/asterisk/tls/80.crt
```

2. 配置 SIP 全局参数
vim /etc/asterisk/sip.conf
[general]
tlsenable=yes
;tlsbindaddr=0.0.0.0
tlscertfile=/etc/asterisk/tls/asterisk.pem
;tlscafile=/etc/asterisk/tls/ca.crt
;tlscipher=ALL

```
[general]
tlsenable=yes
tlsbindaddr=0.0.0.0
tlscertfile=/etc/asterisk/tls/asterisk.pem
tlscafile=/etc/asterisk/tls/ca.crt
tlscipher=ALL
tlsclientmethod=tlsv1
```

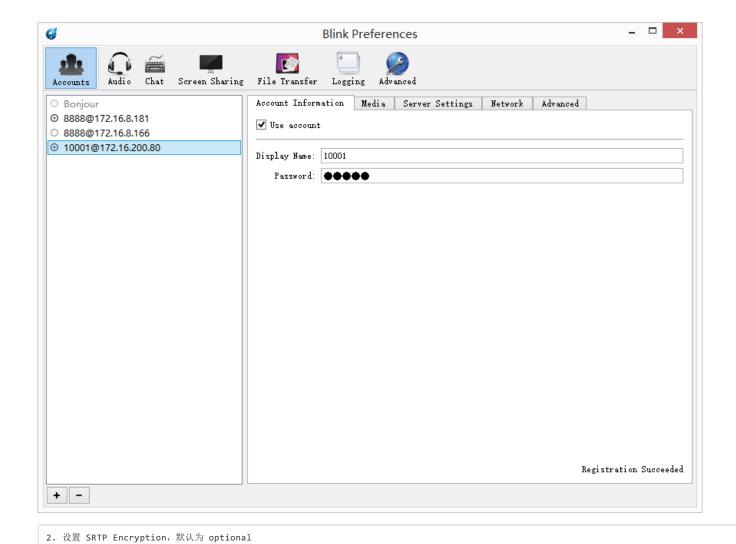
3. 配置 SIP 账号
vim /etc/asterisk/sip_endpoints.conf
[10001]
type=friend
host=dynamic
username=10001
secret=10001
context=from-sip
transport=tls
encryption=yes
disallow=all
allow=alaw

[10001] type=friend host=dynamic username=10001 secret=10001 context=from-sip transport=tls encryption=yes disallow=all allow=alaw

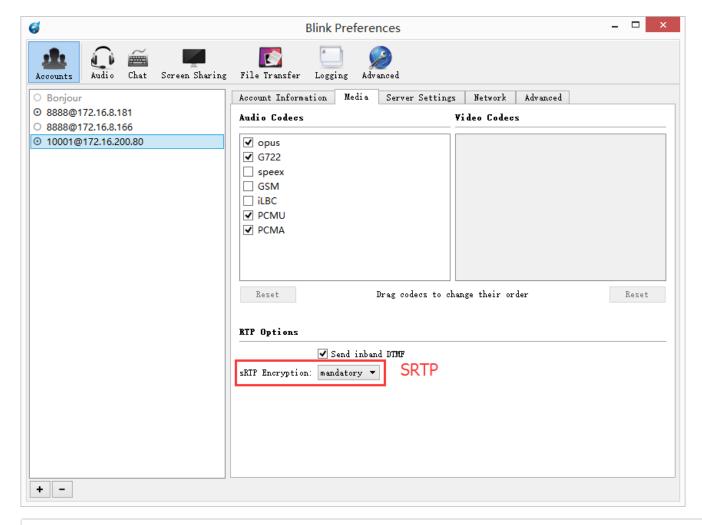
SIP 软电话配置

Blink 软电话

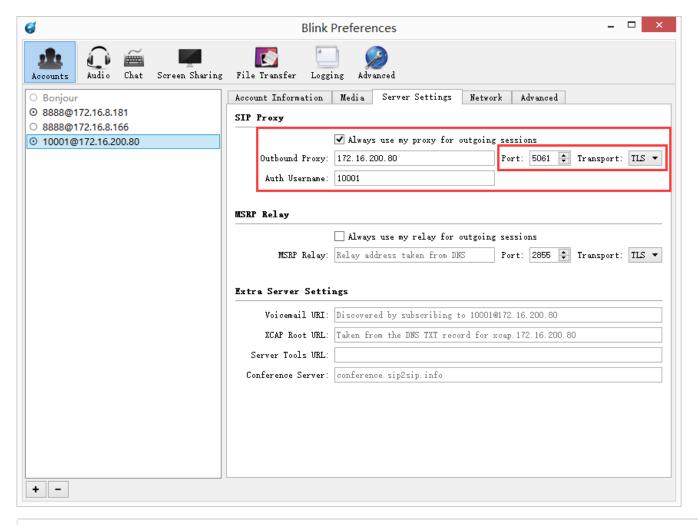
1. 创建 SIP 账号 10001



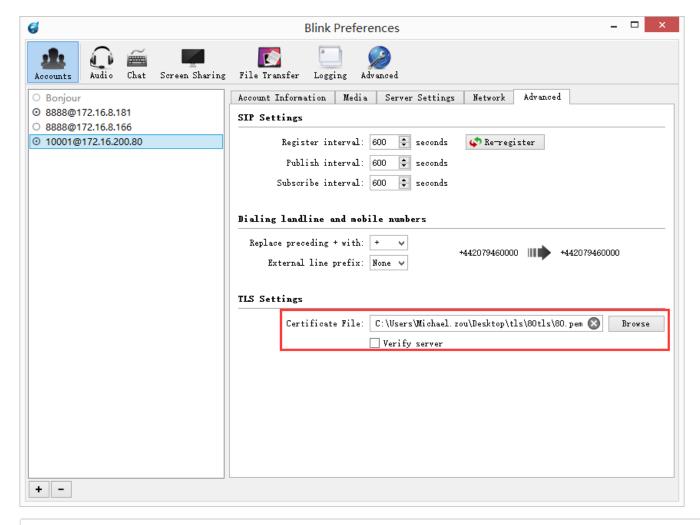
注意:如果 Asterisk 的 SIP 账号使用了 encryption=yes,要将其设为 mandatory,且 asterisk 必须加载 res_srtp.so 模块



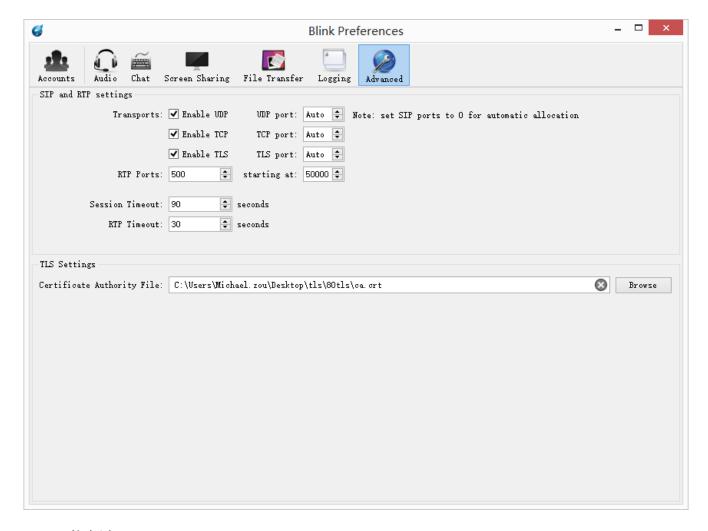
3. 配置对应的服务器, TLS 默认使用 5061 端口



4. 设置 Asterisk 服务器生成的 SIP Phone TLS 验证文件



5. 设置 Asterisk 服务器生成的服务器验证文件(可忽略此步骤)

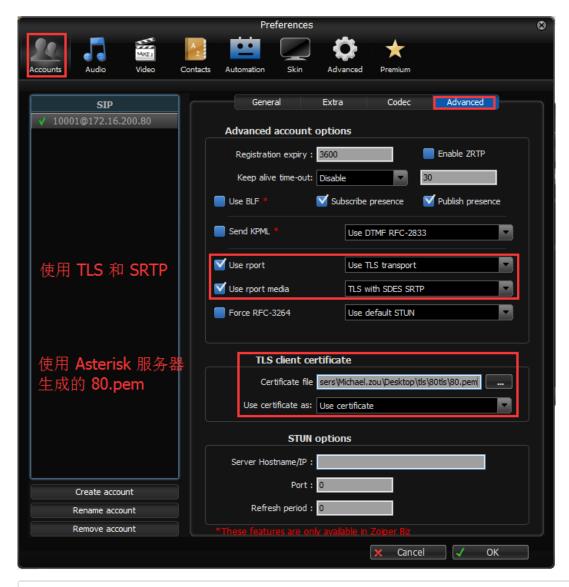


Zoiper 软电话

1. 创建 SIP 账号 10001, 使用 5061 端口



2. 设置 TLS/SRTP 传输,设置 Asterisk 服务器生成的 SIP Phone TLS 验证文件



3. 设置 Asterisk 服务器生成的服务器验证文件

