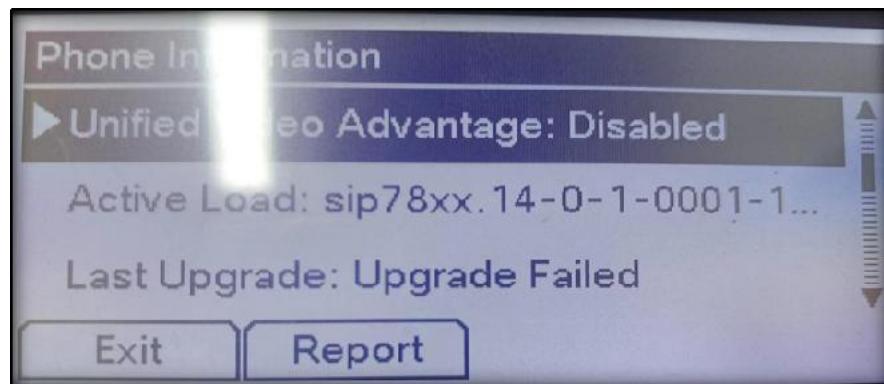


思科话机 CP-7841 和 CP-8841 如何注册到 JustINA 系统?

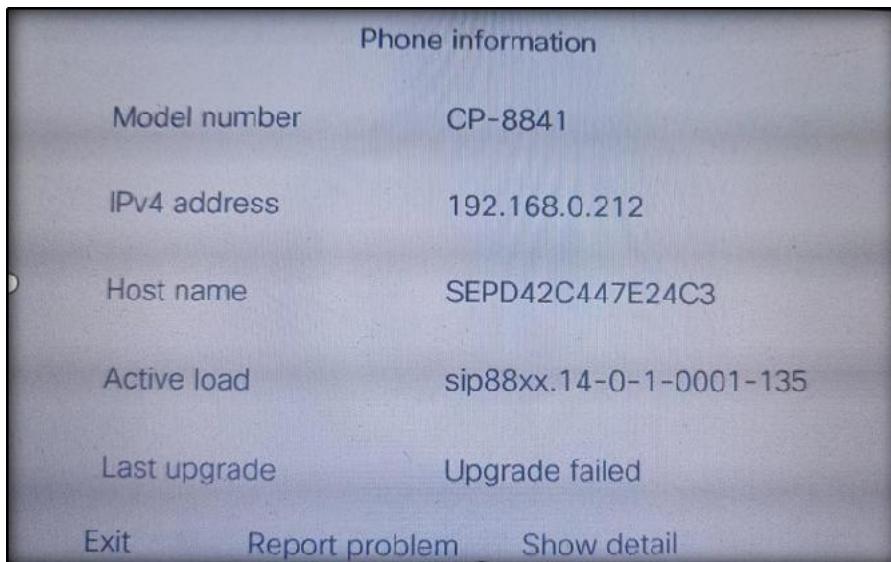
测试场景：如何将 CP-8841 和 CP-7841 注册到 Equinet 的 JustINA 系统?

两话机测试版本：

CP-7841



CP-8841:



思科哪些话机支持SIP?

78系列， 默认带SIP， 不用刷机；

79系列， 需要刷机， 刷成SIP版本；

3905/3911/3951 默认自带SIP， 不用刷机；

68/89/99/88， 默认自带SIP， 不用刷机。

测试环境：

1. 笔记本电脑
2. 思科话机 (CP-8841 和 CP-7841)
3. 傻瓜式的 POE 交换机
4. IPPBX-JustINA 系统
5. 网线若干

步骤 1：在 JustINA 上配置 SIP 分机

用户名:	分机号:	SIP用户名:	SIP密码:	邮箱:
0	0	02	RH65P5w	0-mailbox
635	635	6352	nZXqyM6	635-mailbox
701	701	7012	123	701-mailbox
702	702	7022	123	702-mailbox
703	703	7032	703	703-mailbox
704	704	7042	123	704-mailbox
705	705	7052	123	705-mailbox

步骤 2：准备配置文件

- SEPxxxxxxxxxx.cnf.xml



此 XML 配置文件，特定于一个设备，名称 XXXXXXXXXXXX 部分是设备的 MAC 地址。必须重命名该文件，以准确匹配话机的 MAC 地址。

例如：如果电话的 MAC 地址是 “0012OB35DCB52” ，则必须将文件重命名为 “0012OB35DCB52.cnf.xml” （注意名称必须是大写。）修改红色框：账号，密码，服务器地址。确保 loadinformation 标记与您下载的固件加载相匹配。

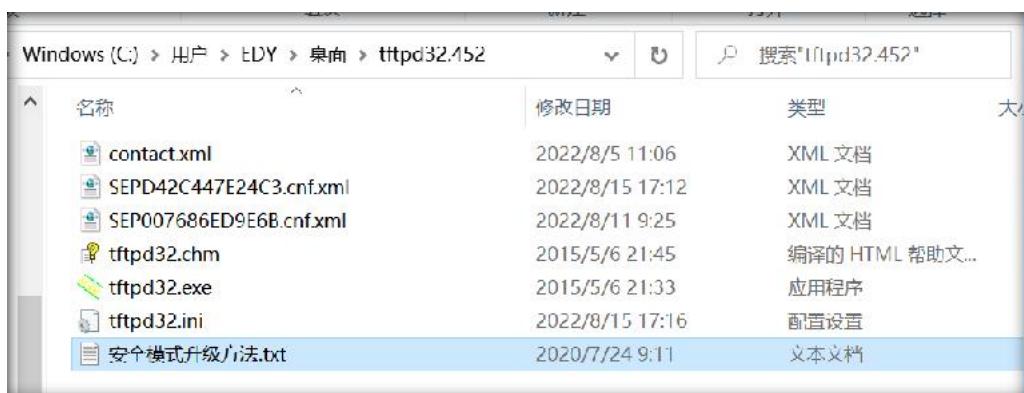
```
文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)
<disableLocalSpeedDialConfig>false</disableLocalSpeedDialConfig>
<startMediaPort>16384</startMediaPort>
<stopMediaPort>32766</stopMediaPort>
<sipLines>
  <line button="1">
    <featureID>9</featureID>
    <featureLabel>7032</featureLabel>
    <proxy>192.168.0.232</proxy>
    <port>5060</port>
    <name>7032</name>
    <displayName>>7032</displayName>
    <autoAnswer>
      <autoAnswerEnabled>2</autoAnswerEnabled>
    </autoAnswer>
    <callWaiting>3</callWaiting>
    <authName>7032</authName>
    <authPassword>703</authPassword>
    <sharedLine>false</sharedLine>
    <messageWaitingLampPolicy>1</messageWaitingLampPolicy>
    <messagesNumber>999</messagesNumber>
    <ringSettingIdle>4</ringSettingIdle>
    <ringSettingActive>5</ringSettingActive>
    <contact>#EXTENSION</contact>
  </line>
</sipLines>
```

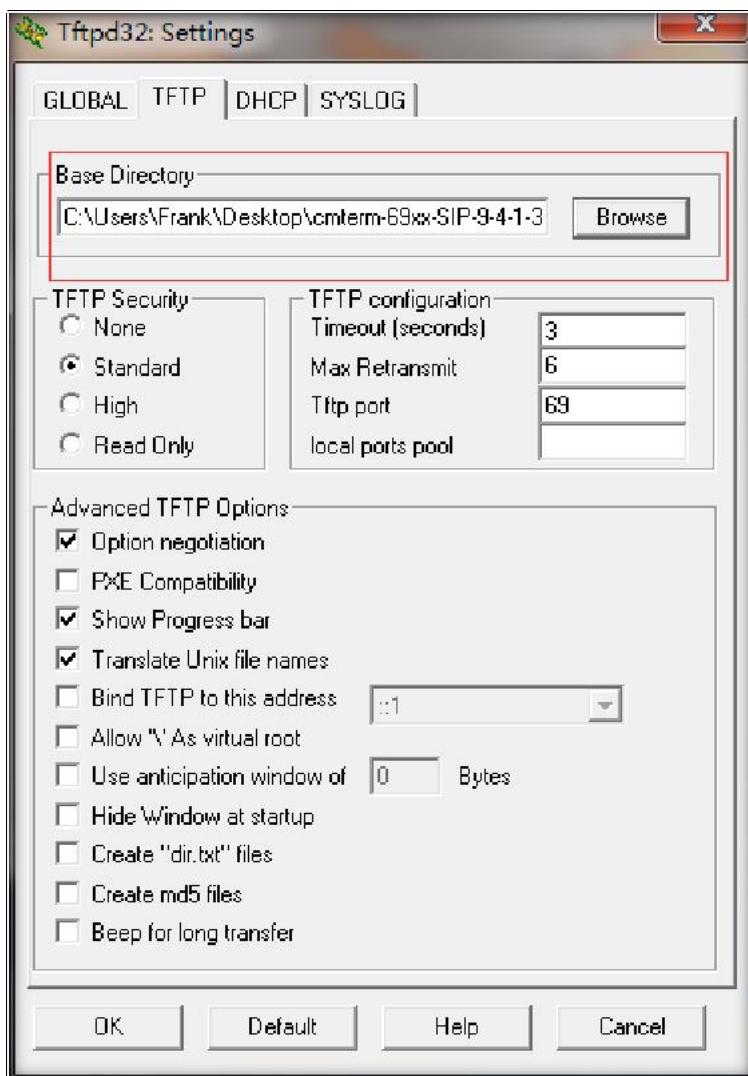
步骤 3：配置 TFTP 服务器

- 在电脑打开 tftpd32。

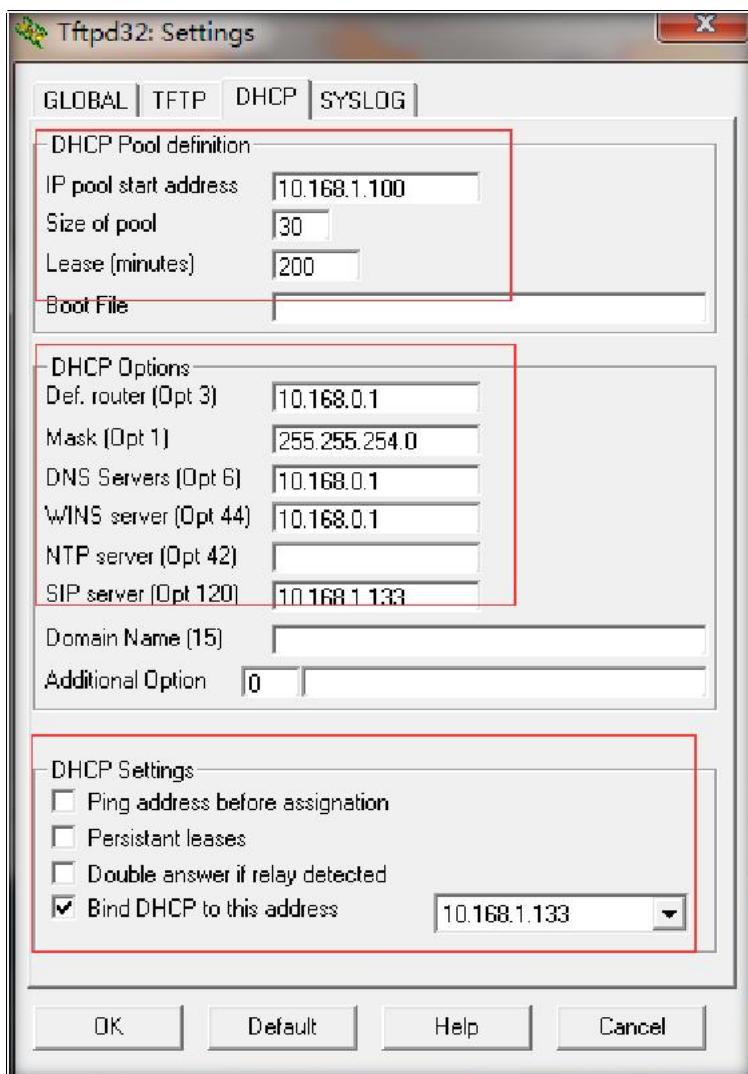


- 配置 TFTP 服务器，选择我们提取的文件夹。把.cnf.xml 放进去





- 配置 DHCP 服务器，请查看下图，我们需要配置 IP 池起始地址，池大小，租约，路由器 ip，掩码，DNS 服务器，sip 服务器，启用 Blind DHCP 选项到该服务器（你的 tftp 服务器）IP）。



步骤 4：话机向 tftp 请求注册

把 justINA 电脑连接到网络交换机，然后再把思科话机连接到网络交换机（注意话机最后再连接）

如果一切顺利可以在 tftp 日志看到请求文件

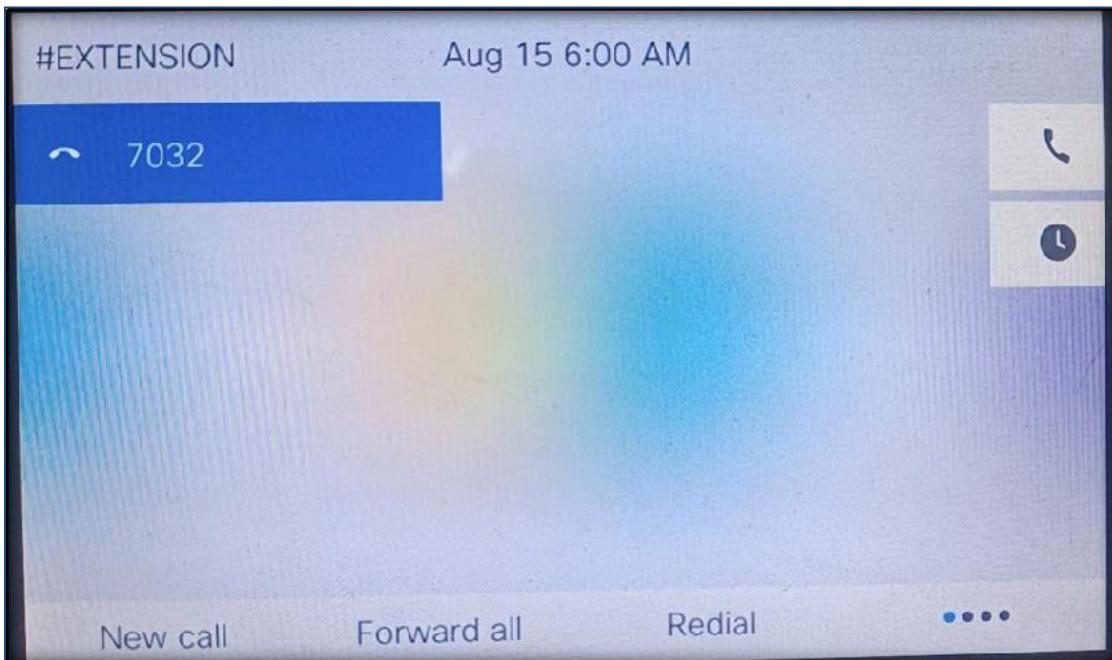
Logs Server | DHCP server | Syslog server | Log viewer |

```
Connection received from 192.168.11.21 on port 51995 [15/08 17:17:24.482]
Read request for file <1>.file.mv. Mode octet [15/08 17:17:24.482]
File <1>.file.mv. error 2 in system call CreateFile 系统找不到指定的文件。 [15/08 17:17:24.482]
Connection received from 192.168.11.21 on port 50002 [15/08 17:17:32.015]
Read request for file <2>.SEP0420447E24C3.crf.xml. Mode octet [15/08 17:17:32.015]
File <2>.SEP0420447E24C3.crf.xml. error 2 in system call CreateFile 系统找不到指定的文件。 [15/08 17:17:32.015]
Connection received from 192.168.11.21 on port 50827 [15/08 17:17:42.200]
Read request for file <3>.SEP0420447E24C3.crf.xml. Mode octet [15/08 17:17:42.200]
File <3>.SEP0420447E24C3.crf.xml. error 2 in system call CreateFile 系统找不到指定的文件。 [15/08 17:17:42.200]
Connection received from 192.168.11.21 on port 51991 [15/08 17:17:42.200]
Read request for file <4>.SP69xx.9.4.1.3SF3.codec. Mode octet [15/08 17:17:43.774]
File <4>.SP69xx.9.4.1.3SF3.codec. error 2 in system call CreateFile 系统找不到指定的文件。 [15/08 17:17:43.774]
Connection received from 192.168.11.21 on port 50504 [15/08 17:17:49.446]
Read request for file <5>.United_States/g3tones.znn. Mode octet [15/08 17:17:49.446]
File <5>.United_United_States/g3tones.znn. error 3 in system call CreateFile 系统找不到指定的路径。 [15/08 17:17:49.446]
```

IPBX 显示注册成功



话机中注册成功界面



然后就可以做呼叫测试了。

FAQ1:

客户获取到配置文件了但是测试 7821 话机注册不上

```

<name>0.centos.pool.ntp.org</name>
<ntpMode>Unicast</ntpMode>
</ntp>
</ntps>
</dateTimeSetting>
- <callManagerGroup>
  - <members>
    - <member priority="0">
      - <callManager>
        - <ports>
          <ethernetPhonePort>2000</ethernetPhonePort>
          <sipPort>5060</sipPort>
          <securedSipPort>5061</securedSipPort>
        </ports>
        <process nodeName="#3CX IP"></process>
      </callManager>
    </member>
  </members>
</callManagerGroup>
</devicePool>
- <sipProfile>
  - <sipProxies>
    <!--省略部分-->

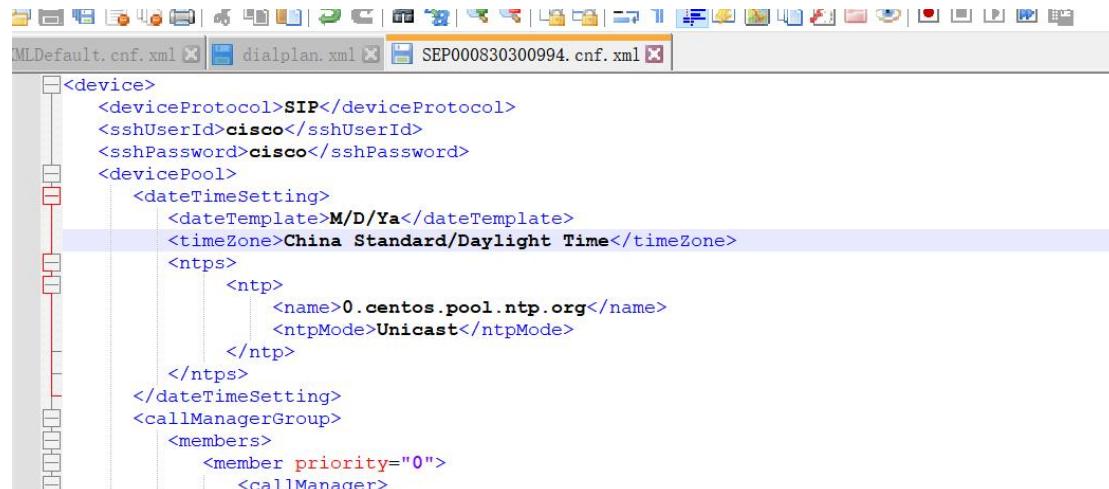
```

需要这个配置改成 sip 服务器地址

FAQ2:

思科话机时间不准:

修改时间: 中国时区



时区表

timeZone

Name of the local time zone. Display time is adjusted by the number of minutes from UTC.

Dateline Standard Time	-720	Samoa Standard Time	-660	Hawaiian Standard Time	-600
Alaskan Standard/Daylight Time	-540	Pacific Standard/Daylight Time	-480	Mountain Standard/Daylight Time	-420
US Mountain Standard Time	-420	Central Standard/Daylight Time	-360	Mexico Standard/Daylight Time	-360
Canada Central Standard Time	-360	SA Pacific Standard Time	-300	Eastern Standard/Daylight Time	-300
US Eastern Standard Time	-300	Atlantic Standard/Daylight Time	-240	SA Western Standard Time	-240
Pacific SA Standard Time	-240	Newfoundland Standard/Daylight Time	-210	E. South America Standard/Daylight Time	-180
SA Eastern Standard Time	-180	Pacific SA Daylight Time	-180	Mid-Atlantic Standard/Daylight Time	-120
Azores Standard/Daylight Time	-60	GMT Standard/Daylight Time	+0	Greenwich Standard Time	+0
W. Europe Standard/Daylight Time	+60	GTB Standard/Daylight Time	+60	Egypt Standard/Daylight Time	+60
E. Europe Standard/Daylight Time	+60	Romance Standard/Daylight Time	+120	Central Europe Standard/Daylight Time	+120
South Africa Standard Time	+120	Jerusalem Standard/Daylight Time	+120	Saudi Arabia Standard Time	+180
Russian Standard/Daylight Time	+180	Iran Standard/Daylight Time	+210	Caucasus Standard/Daylight Time	+240
Arabian Standard Time	+240	Afghanistan Standard Time	+270	West Asia Standard Time	+300
Ekaterinburg Standard Time	+300	India Standard Time	+330	Central Asia Standard Time	+360
SE Asia Standard Time	+420	China Standard/Daylight Time	+480	Taipei Standard Time	+480
Tokyo Standard Time	+540	Cen. Australia Standard/Daylight Time	+570	AUS Central Standard Time	+570
E. Australia Standard Time	+600	AUS Eastern Standard/Daylight Time	+600	West Pacific Standard Time	+600
Tasmania Standard/Daylight Time	+600	Central Pacific Standard Time	+660	Fiji Standard Time	+720
New Zealand Standard/Daylight Time	+720				

```
<timeZone> TIME_ZONE </timeZone>
<nhttps>
  <ntp>
```