Fraud Prevention Services

FreePBX Integration Guide

FPS is a simple system to protect your PBX from fraudulent calls. It is very easy to integrate to your PBX. After creating your account and setting your calling policies, you will need to configure your FreePBX (Elastix, Trixbox and others). FPS works like a SIP Provider, but instead of completing your call, it redirects your call back with a three character prefix. After receiving this prefix, you can decide what to do in your dial plan. Below a series of steps required to implement the FPS on FreePBX.
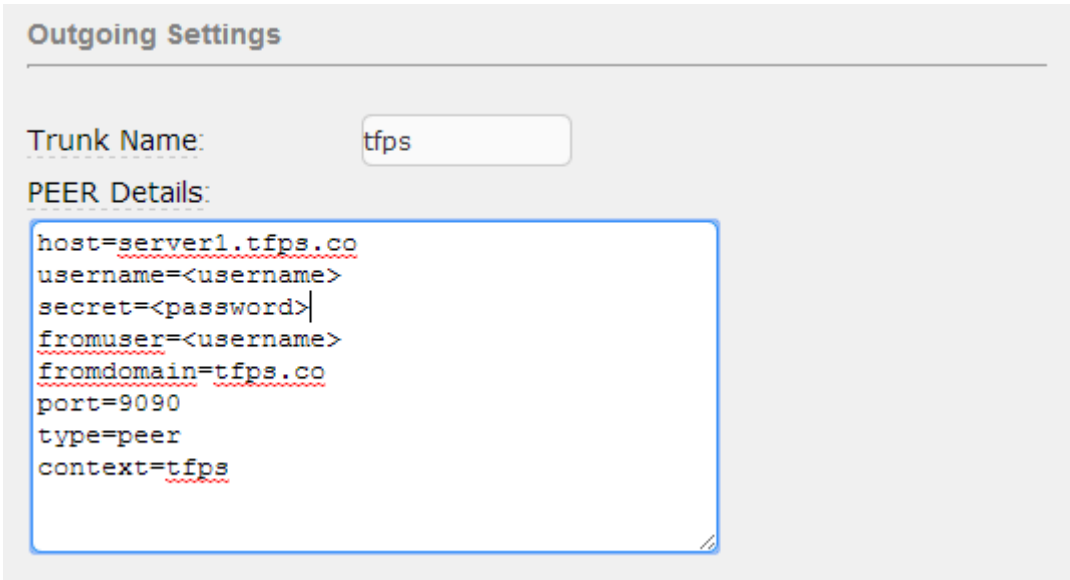
FREEPBX INTEGRATION

To integrate FPS with FreePBX you need:

- Add a trunk to FPS
- Add a trunk to PSTN
- Add the FPS code to extensions_custom.conf

Step 1: Add a trunk to FPS

Name the trunk "fps" and fill the PEER details replacing <username> and <password> by your accounting data. Leave the USER details empty.

Outgoing Settings

Trunk Name: tfps

PEER Details:
```
host=server1.tfps.co
username=<username>
secret=<password>
fromuser=<username>
fromdomain=tfps.co
port=9090
type=peer
context=tfps
```

IMPORTANT: For FREE detection services please use the port 9091 instead of 9090.

Step 2: Add the FPS instructions to /etc/asterisk/extensions_custom.conf

extensions_custom.conf

```
[from-internal-custom]
exten => h,1,Hangup()
include => agentlogin
include => conferences
include => calendar-event
include => weather-wakeup
include => tfpsdial

[tfpsdial]
exten=_00[1-9].,1,set(ip=${CHANNEL(recvip)})
same=>n,SIPAddHeader(P-Received: ${ip})
same=>n,set(ua=${CHANNEL(useragent)})
same=>n,SIPAddHeader(P-UA: ${ua})
same=>n,set(GROUP()=tfps)
same=>n,set(ncalls=${GROUP_COUNT(tfps)})
same=>n,SIPAddHeader(P-Calls: ${ncalls})
same=>n,set(_original=${EXTEN})
same=>n,dial(SIP/tfps/${FILTER(0-9,${EXTEN:2})})

[tfps]
;For calls not approved
exten=_R.,1,Answer()
same=>n,playback(ss-noservice); (Customize here to generate an error message)
same=>n,hangup(21)

;For calls approved
exten=_A.,1,Answer()
same=>n,set(OUTBOUND_TRUNK=SIP/International) ; Set here your PSTN trunk
same=>n,Dial(${OUTBOUND_TRUNK}/${original})
same=>n,hangup(16)
```

FOR FREE detection services, please use the script below:

```
[from-internal-custom]
exten => h,1,Hangup()
include => agentlogin
include => conferences
include => calendar-event
include => weather-wakeup
include => tfpsdial

[tfpsdial]
exten=_00[1-9].,1,set(ip=${CHANNEL(recvip)})
same=>n,SIPAddHeader(P-Received: ${ip})
same=>n,set(ua=${CHANNEL(useragent)})
same=>n,SIPAddHeader(P-UA: ${ua})
```

```
same=>n,set(GROUP()=tfps)
same=>n,set(ncalls=${GROUP_COUNT(tfps)})
same=>n,SIPAddHeader(P-Calls: ${ncalls})
same=>n,set(OUTBOUND_TRUNK=SIP/International) ; Set here your PSTN trunk
same=>n,Dial(${OUTBOUND_TRUNK}/${original})
same=>n,dial(OUTBOUND_TRUNK/${FILTER(0-9,${EXTEN:2})}&SIP/tfps//${FILTER(0-
9,${EXTEN:2})})
```

Response Codes

- A00 – Call Approved
- RXX – Full codes are available only for customers

DISCLAIMER

No service can guarantee 100% that you will not be a victim of fraud. We can remove 99.999% of all attacks using our system, but it is wise to apply additional measures. We strongly advise you to, beyond installing this system, take other measures not limited to:

1. Do not allow Internet Access to your PBX web interface and or SSH.
2. Check your CDRs regularly for strange or fraudulent calls.
3. Prefer limited prepaid SIP trunking for International calls instead of post-paid unlimited TDM trunks.
4. Use strong passwords always.

TECH-SUPPORT

Please send any tech support requests to info@sippulse.com