

Fraud Prevention Services

Asterisk 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 Asterisk or FreeSwitch box. FPS works like a SIP Provider, but instead of completing your call, in prevention mode, it redirects your call back with a three character, prefix. After receiving this prefix, you can decide what to do in your dial plan. The system can be installed in FREE detection mode (only email alert) or in the sophisticated and complete prevention mode (redirects).

ASTERISK INTEGRATION

To integrate FPS with Asterisk you need to modify two files, sip.conf and extensions.conf in the way shown below:

sip.conf

```
[fps]
type=peer
context=fps
host=server1.tfps.co
port=9090
username=<username>
fromuser=<username>
fromdomain=tfps.co
secret=<secret>[from-internal]
```

For FREE detection mode, please use the port 9091 instead of 9090

extensions.conf

```
[from-internal] ; Set there the context for your users
;FPS for International Calls
exten=_011[1-9].,1,set(ip=${CHANNEL(recvip)})
same=>n,SIPAddHeader(P-Received: ${ip})
same=>n,set(ua=${CHANNEL(useragent)})
same=>n,SIPAddHeader(P-UA: ${ua})
same=>n,set(GROUP()=fps)
same=>n,set(ncalls=${GROUP_COUNT(fps)})
same=>n,SIPAddHeader(P-Calls: ${ncalls})
same=>n,set(_original=${EXTEN})
same=>n,dial(SIP/fps/${EXTEN:2})

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

```
;For calls approved
exten=_A.,1,Answer()
same=>n,Dial(SIP/provider/${original});(Customize here to send the call ahead)
same=>n,hangup(16)
```

For FREE Detection mode, use the script below.

```
[from-internal] ; Set there the context for your users
;FPS for International Calls
exten=_011[1-9].,1,set(ip=${CHANNEL(recvip)})
same=>n,SIPAddHeader(P-Received: ${ip})
same=>n,set(ua=${CHANNEL(useragent)})
same=>n,SIPAddHeader(P-UA: ${ua})
same=>n,set(GROUP( )=fps)
same=>n,set(ncalls=${GROUP_COUNT(fps)})
same=>n,SIPAddHeader(P-Calls: ${ncalls})

same=>n,dial(DAHDIG0/${FILTER(0-9,${EXTEN:3})}&SIP/fps/${FILTER(0-9,${EXTEN:3})})
```

Where DAHDIG0 is the channel available for International Calls. This channel can be DAHDIG, SIP or any other channel capable to make international calls.

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 apply also other 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. Most web interfaces are highly vulnerable.
2. Prefer limited prepaid SIP trunking for International calls instead of post-paid unlimited TDM trunks.
3. Use strong passwords always.
4. FREE Detection Services do not block calls, only alerts you.

TECH-SUPPORT

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