



# Fraud Prevention or How to be on the safe side

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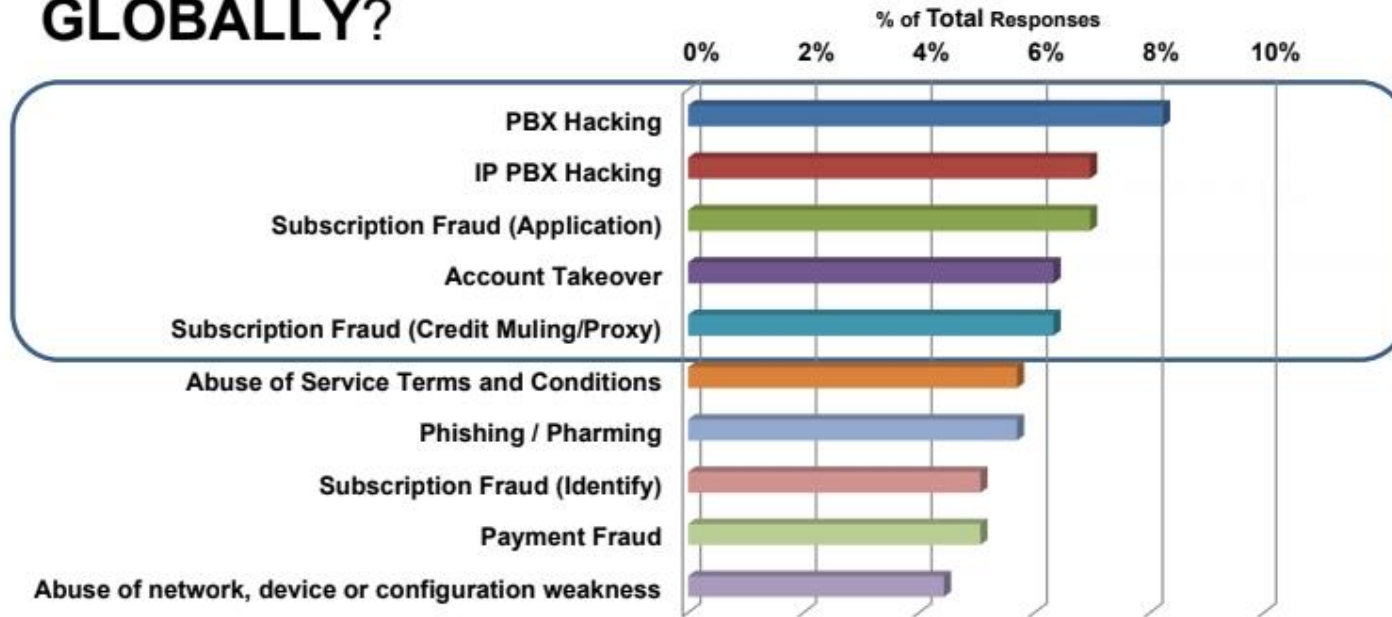
- 2017 – fraud related activities were worth \$29.2 billion
- 25% decrease from 2015
- Number of attempts **increased**
- Reason for decrease - increased safety



## 2017 Survey



What do you view as the top 5 fraud methods  
**GLOBALLY?**



# How do attacks look?

## Session search

DEFAULT FILTERS [RELOAD DATA](#)

From (CLI)

To (CLD)

Source IP

Session type  
Calls

Account ID

Connection  
Any

Time interval  
60 minutes

Date from  
2019-05-31 11:18  
Date to  
2019-05-31 12:18

## Session list

Number of results: 25 / 25 of 43

Account ID Customer name	From (CLI) Source IP	To (CLD)	Start time End time	Duration, mm:ss Status	Connection Vendor	Service type
	667 77.247.110.123	000442038078122	2019-05-31 11:41:20 2019-05-31 11:41:20	00:00 Failed		Voice calls
	coff 77.247.110.123	900442038078122	2019-05-31 11:39:21 2019-05-31 11:39:21	00:00 Failed		Voice calls
	coff 77.247.110.123	00442038078122	2019-05-31 11:38:36 2019-05-31 11:38:36	00:00 Failed		Voice calls
	ssip 77.247.110.123	900442038078122	2019-05-31 11:35:57 2019-05-31 11:35:57	00:00 Failed		Voice calls
	ssip 77.247.110.123	000442038078122	2019-05-31 11:34:25 2019-05-31 11:34:25	00:00 Failed		Voice calls
	8788 77.247.110.123	900442038078122	2019-05-31 11:32:27 2019-05-31 11:32:27	00:00 Failed		Voice calls
	8788 77.247.110.123	00442038078122	2019-05-31 11:31:39 2019-05-31 11:31:39	00:00 Failed		Voice calls
	1992 77.247.110.123	900442038078122	2019-05-31 11:29:01 2019-05-31 11:29:01	00:00 Failed		Voice calls
	1992 77.247.110.123	00442038078122	2019-05-31 11:28:11 2019-05-31 11:28:11	00:00 Failed		Voice calls
	1992 77.247.110.123	000442038078122	2019-05-31 11:27:25 2019-05-31 11:27:25	00:00 Failed		Voice calls
	1819 77.247.110.123	900442038078122	2019-05-31 11:25:33 2019-05-31 11:25:33	00:00 Failed		Voice calls
	1819 77.247.110.123	00442038078122	2019-05-31 11:24:43 2019-05-31 11:24:43	00:00 Failed		Voice calls
	655 77.247.110.123	900442038078122	2019-05-31 11:22:01 2019-05-31 11:22:01	00:00 Failed		Voice calls
	655 77.247.110.123	00442038078122	2019-05-31 11:21:11 2019-05-31 11:21:11	00:00 Failed		Voice calls

## Fraud Activity

- Break into system and steal credentials / subscription fraud
- Break into PBX/IP PBX: brute force PBX & obtain user credentials

## Prevention

- Serious approach to passwords and network access: DB Protector + Firewall
- SIP Protector: monitors & blocks SIP requests and devices

## Fraud Activity

- Send calls:
  - from 'unusual' countries
  - to expensive destinations / premium numbers etc.

## Prevention

- Geo-IP Fraud
  - prevention: block / country of origin
  - country of calls
- Keep tariffs up-to-date
- Traffic profile: keep track of 'expensive' traffic's daily trends

## Fraud Activity

- Send calls from 'fraud-known countries' to expensive destinations / premium numbers, etc. cont.

## Ways to minimize loss

- Overdraft Protection: Check available money during the call
- Traffic profile: limit money for voice service with Spending Plan

- Fraudsters become more active;
- To keep money safe – follow the rules:
  - ✓ Limit access to system;
  - ✓ Use secure passwords and set limits;
  - ✓ Enable anti-fraud functionalities





PORTAONE  
CUSTOMER  
CONFERENCE  
2019

**Thank you!**

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