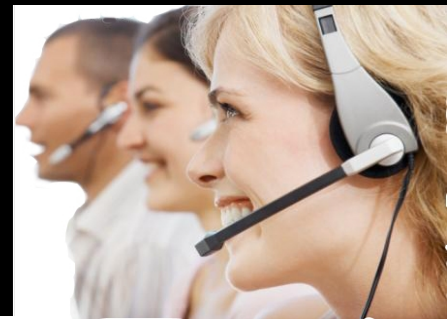


SwitchBox

(Carrier Grade **IP** / **PBX**)

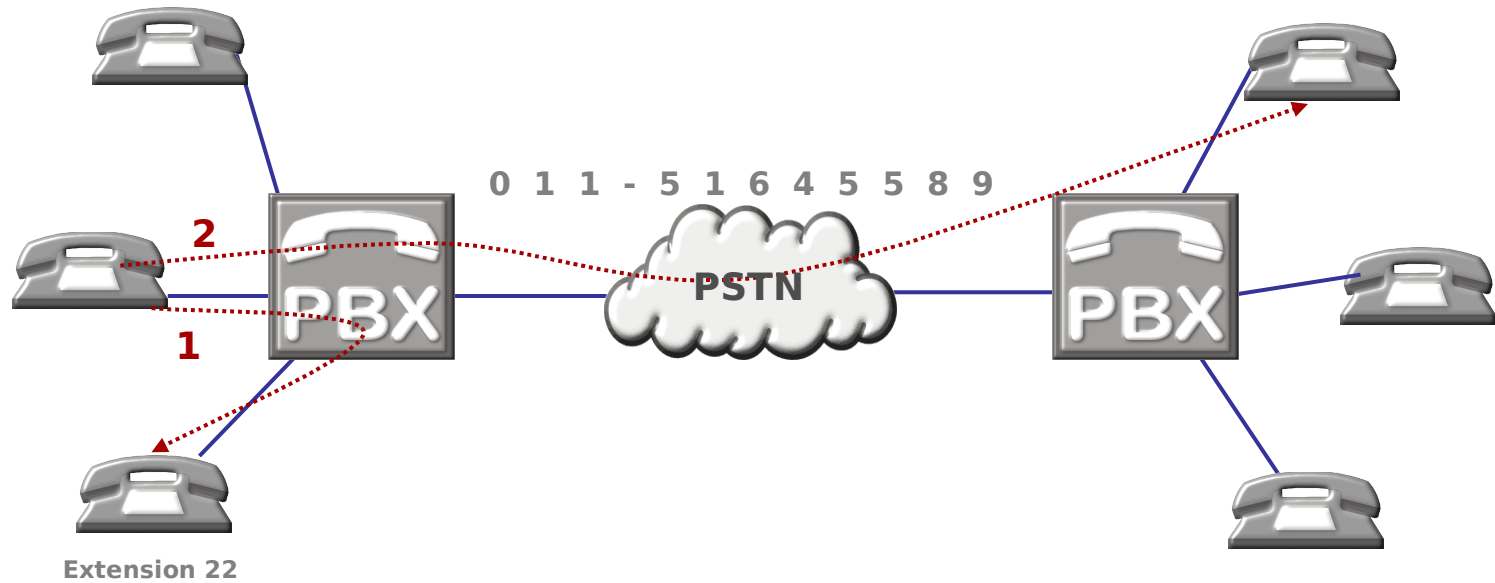
Team Up With SwitchBox And Evolve Your Inbound & Outbound Campaigns of IP / PBX...



AGENDA

- **PBX & IP PBX Analysis**
- **SwitchBox**
 - Value Proposition
 - Highlights
 - Screenshots
- **IP PBX Market & Future Forecast**

TRADITIONAL PBX



- 1 ».....» Extension to Extension
- 2 ».....» Extension to PSTN

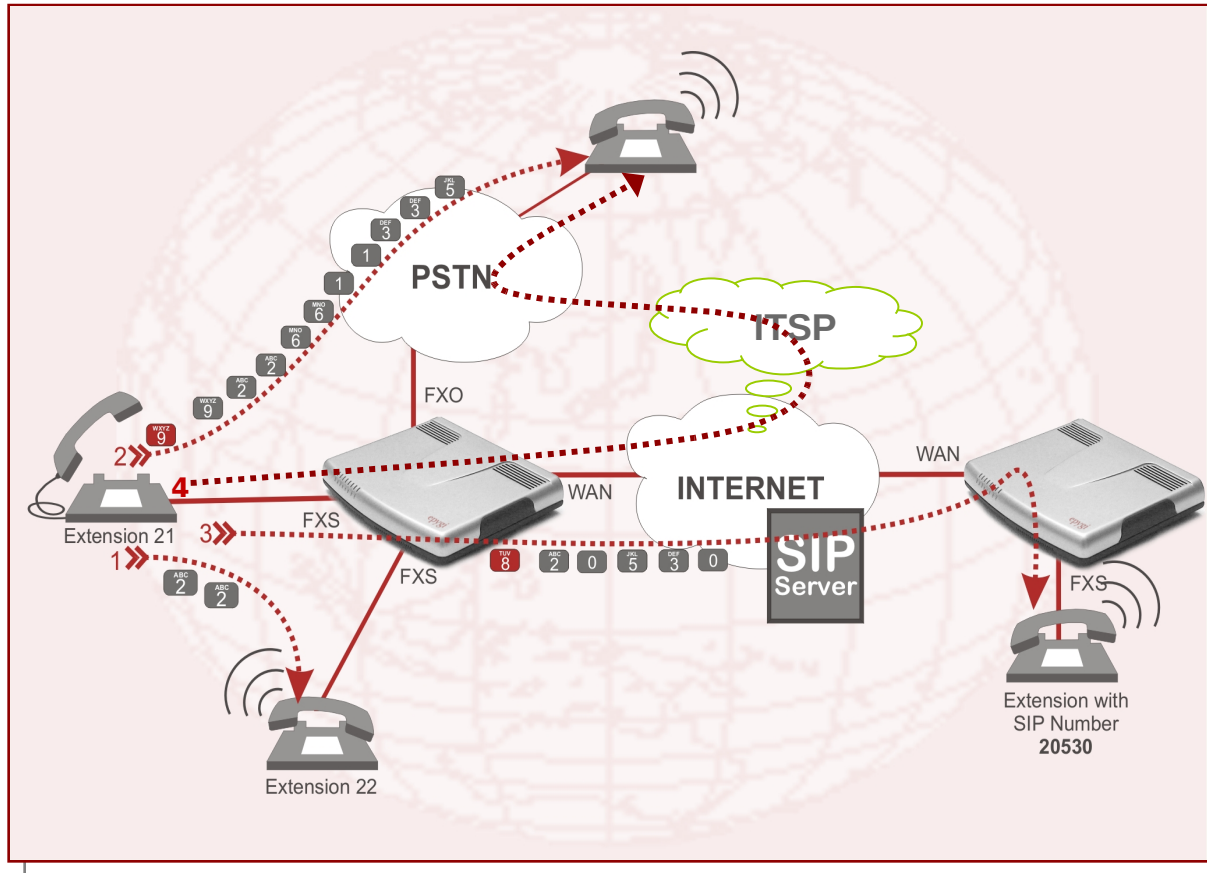
THE COMMUNICATIONS CHALLENGE

1990's

Today



IP PBX SOLUTION



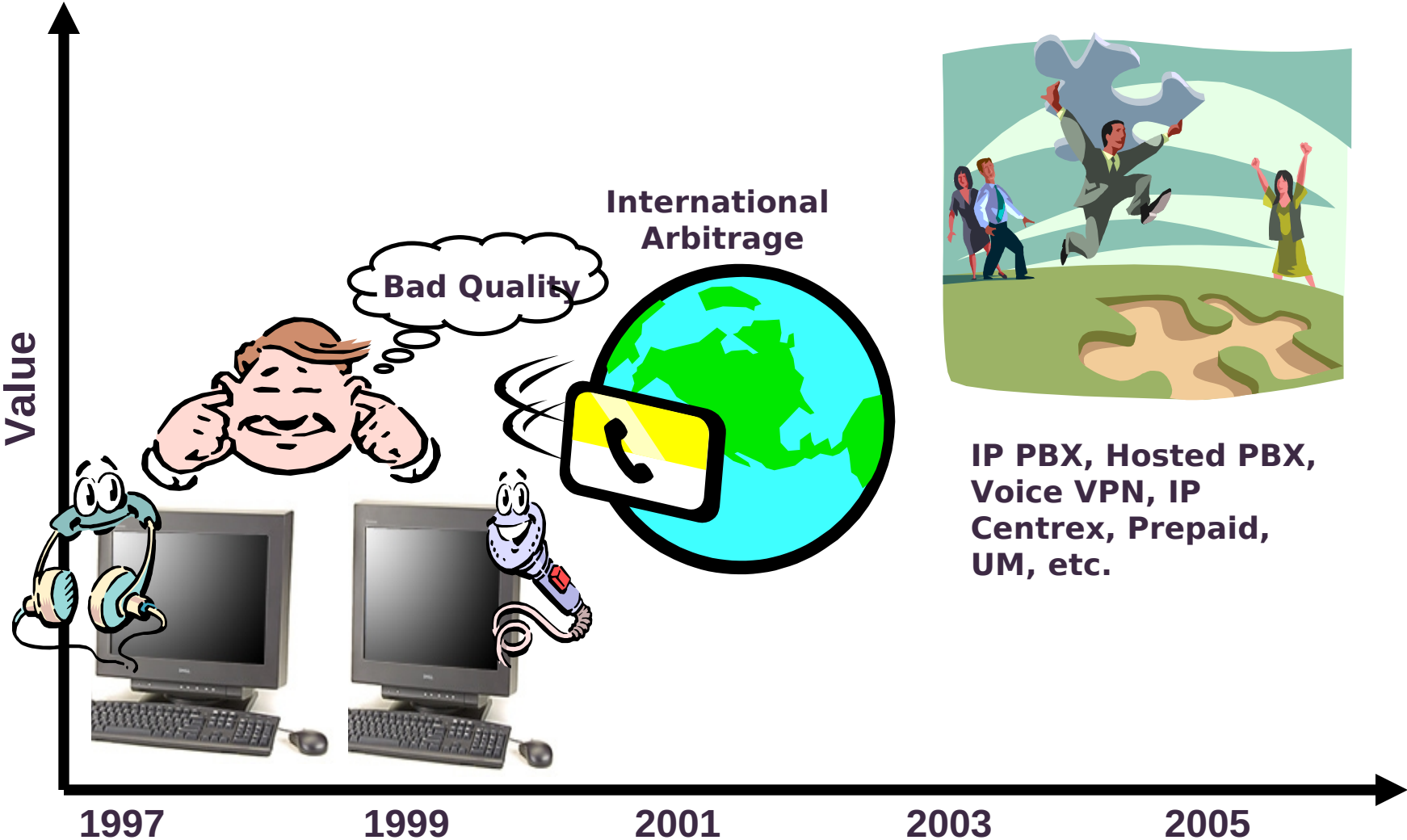
1 ».....» Extension to Extension

2 ».....» Extension to PSTN

3 ».....» SIP peer to SIP peer

4 ».....» Extension to ITSP to PSTN

IP TELEPHONY ANALYSIS



IP PBX ADVANTAGES

- More cost effective options for voice traffic.
- Enterprise Data and Phone networks merged.
- New advanced features not possible on traditional PBXs increase efficiency.
- Provides build-in rich set of enhanced services.
- Equipment requirements minimized and
Minimized office wiring.
- Simplified management and administration.
- Lower cost Moves, Adds, and Changes.

Screen Shots

CDR

SwitchBOX - Admin Mode - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://192.168.1.111/maint/index.php?cdrreport

Mehul Shah

Most Visited Getting Started Latest Headlines

Server time: 23:32:51
Admin Mode [switch]
login or register

System Status Packages Asterisk System Settings

CDR Report List

Start Date: * 16 Oct 2008 End Date: * 16 Oct 2008 Field: Destination

Export Start Previous (1)

Date	Source	Destination	Src. Channel	Dst. Channel	Status	Durati
2008-10-16 00:00:01	052219706	18664543959	SIP/22000-b6693f60	SIP/netindia-09dc3690	ANSWERED	314
2008-10-16 00:05:35	052219706	18667622237	SIP/22000-b6305618	SIP/netindia-0a0dce40	ANSWERED	86
2008-10-16 00:07:10	052219706	18002397560	SIP/22000-b767c020	SIP/netindia-0a0dce40	ANSWERED	121
2008-10-16 00:06:38	052219706	18009330614	SIP/12000-b6994400	SIP/netindia-0a0e4c40	ANSWERED	181
2008-10-16 00:02:14	052219706	18004918151	SIP/35000-b5f68460	SIP/netindia-09204fc8	ANSWERED	480
2008-10-16 00:04:28	052219706	18006854542	SIP/19000-b5ca92b8	SIP/netindia-0a04e058	ANSWERED	367
2008-10-16 00:12:57	052219706	18006240756	SIP/23000-b7c75140	SIP/netindia-08bfd660	ANSWERED	510

Find: Next Previous Highlight all Match case

Done

Extensions Live Monitoring

SwitchBOX - Admin Mode - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://192.168.1.111/maint/index.php

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Most Visited Getting Started Latest Headlines

Server time: 23:36:20
Admin Mode [switch]
login or register

System Status Packages Asterisk System Settings

Admin Reports Panel Recordings Help

Extensions

Extension	Status	Call Count	Time
1000 : 1000	Active	27000 : 27000	00:09:16
10000 : 10000	Active	28000 : 28000	
11000 : 11000	Active	29000 : 29000	
12000 : 12000	Active	30000 : 30000	
13000 : 13000	Active	31000 : 31000	
14000 : 14000	Active	32000 : 32000	
15000 : 15000	Active	33000 : 33000	00:04:55
16000 : 16000	Active	34000 : 34000	
17000 : 17000	Active	35000 : 35000	

Queues

Conferences

Parking lots

Find: [] Next Previous Highlight all Match case

Done

Features

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File Edit View History Bookmarks Tools Help

http://192.168.1.111/maint/index.php

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Most Visited Getting Started Latest Headlines

Administrators
Extensions
Feature Codes
General Settings
Outbound Routes
Trunks
Inbound Call Control
Inbound Routes
Zap Channel DIDs
Internal Options & Configuration
Music on Hold
System Recordings

		Use Default?	Feature Status
Core			
Call Pickup (Can be used with GXP-2000)	**	<input checked="" type="checkbox"/>	Enabled
ChanSpy	555	<input checked="" type="checkbox"/>	Enabled
Dial System FAX	666	<input checked="" type="checkbox"/>	Enabled
In-Call Asterisk Attended Transfer	*2	<input checked="" type="checkbox"/>	Enabled
In-Call Asterisk Blind Transfer	##	<input checked="" type="checkbox"/>	Enabled
In-Call Asterisk Toggle Call Recording	*1	<input checked="" type="checkbox"/>	Enabled
Simulate Incoming Call	7777	<input checked="" type="checkbox"/>	Enabled
User Logoff	*12	<input checked="" type="checkbox"/>	Enabled
User Logon	*11	<input checked="" type="checkbox"/>	Enabled
ZapBarge	888	<input checked="" type="checkbox"/>	Enabled
Info Services			
Call Trace	*69	<input checked="" type="checkbox"/>	Enabled

Find: Next Previous Highlight all Match case

Done

Recording

SwitchBOX - Admin Mode - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://192.168.1.111/maint/index.php Mehul Shah

Most Visited Getting Started Latest Headlines

Call Monitor for 2000 (2000)

Search

delete duration ignore Results 1 - 15 of 376

select: [all](#) [none](#)

	Date	Time	Caller ID	Source	Destination	Context	Duration	Monitor
<input type="checkbox"/>	2008-10-16	22:59:40	052219706	052219706	18778423210	from-internal	1961 sec	play
<input type="checkbox"/>	2008-10-16	22:35:16	052219706	052219706	18886902020	from-internal	312 sec	play
<input type="checkbox"/>	2008-10-16	20:43:50	052219706	052219706	18002892818	from-internal	463 sec	play
<input type="checkbox"/>	2008-10-16	04:25:11	052219706	052219706	16028644114	from-internal	1977 sec	play
<input type="checkbox"/>	2008-10-16	03:45:21	052219706	052219706	18662275400	from-internal	128 sec	play
<input type="checkbox"/>	2008-10-16	03:22:01	052219706	052219706	16022488434	from-internal	231 sec	play
<input type="checkbox"/>	2008-10-16	03:21:47	052219706	052219706	16022488434	from-internal	5 sec	
<input type="checkbox"/>	2008-10-16	02:59:02	052219706	052219706	18005230023	from-internal	960 sec	play
<input type="checkbox"/>	2008-10-16	01:42:57	052219706	052219706	16022633000	from-internal	1101 sec	play
<input type="checkbox"/>	2008-10-16	01:24:18	052219706	052219706	16022633000	from-internal	77 sec	play
<input type="checkbox"/>	2008-10-16	01:01:26	052219706	052219706	18772357226	from-internal	708 sec	play
<input type="checkbox"/>	2008-10-15	23:49:00	052219706	052219706	18885407226	from-internal	1067 sec	play

Find: Next Previous Highlight all Match case

Done

Reports

SwitchBOX - Admin Mode - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://192.168.1.111/maint/index.php

Mehul Shah

Server time: 23:35:02
Admin Mode [switch]
login or register

System Status Packages Asterisk System Settings

Selection of the month From: October-2008 To: October-2008

Selection of the day From: 01 October-2008 To: 01 October-2008

DESTINATION Exact Begins with Contains Ends with

SOURCE Exact Begins with Contains Ends with

CHANNEL

DURATION > > equal Equal < equal < > > equal < equal <

Result : Minutes - Seconds

Number of calls : 5302

- Call Logs -

	Calldate	Channel	Source	Clid	Dst	Disposition	Duration
1.	2008-10-16 23:33:49	SIP/netind...	052219706	052219706	s	NO ANSWER	00:05
2.	2008-10-16 23:33:49	SIP/36000-...	052219706	052219706	18002446224	NO ANSWER	00:05
3.	2008-10-16 23:32:55	SIP/netind...	052219706	052219706	s	NO ANSWER	00:02

Find: Next Previous Highlight all Match case

Done

Server Details

SwitchBOX - Admin Mode - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://192.168.1.111/server/index.php

Mehul Shah

Most Visited Getting Started Latest Headlines

Server time: 23:40:01
Admin Mode [[switch](#)]

or

System Status Packages Asterisk System Settings

Server Status

Asterisk	Running
web server	Running
cron server	Running
SSH server	Running
Mysql	Running
HUD Server	N/A

Announcements

trixbox CE current release is 2.6.1.11

Network Usage

Device	Received	Sent	Err/Drop
lo	9.72 MB	9.72 MB	0/0
eth0	1.48 GB	1.99 GB	0/0
eth1	21.17 MB	11.54 KB	0/0
sit0	0.00 KB	0.00 KB	0/0

Memory Usage

Type	Percent Capacity	Free	Used	Size
Physical Memory	<div style="width: 57%;"></div> 57%	1.70 GB	2.26 GB	3.96 GB
- Kernel + applications	<div style="width: 5%;"></div> 5%		213.16 MB	
- Buffers	<div style="width: 2%;"></div> 2%		66.95 MB	
- Cached	<div style="width: 50%;"></div> 50%		1.98 GB	
Disk Swap	<div style="width: 0%;"></div> 0%	760.88 MB	0.00 KB	760.88 MB

Asterisk Status

System uptime: 18 hours, 17 minutes, 29 seconds

Active Channels
SIP: 10
IAX: 0

Current Registrations
SIP: 2
IAX: 0

SIP Peers
Online: 17
Offline: **22**
Unmonitored: 22

IAX2 Peers
Online: 0
Offline: **0**

Find: Match case

Done

Traffic Monitoring

SwitchBOX - Admin Mode - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://192.168.1.111/maint/index.php

Mehul Shah

Most Visited Getting Started Latest Headlines

Server time: 23:35:53
Admin Mode [switch]
login or register

switch box

System Status Packages Asterisk System Settings

SOURCE CHANNEL

Exact Begins with Contains Ends with

Exact Begins with Contains Ends with

Search

Traffic Last 2 Months

Month	Minutes	Percentage
Oct 2008	36147 min	69%
Sep 2008	16383 min	31%
Aug 2008	0 min	0%

Find: Next Previous Highlight all Match case

Done

Thank You

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krishnatelesoft@gmail.com