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# Systems

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Software and  
services

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**BD-eye Cloud PBX**  
Hosted Telephony

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# Systems

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## Introduction

The **BDEye (Brindley Data Eye) Cloud PBX (Public Branch Exchange)** has been developed over the years to be a Commercial Voice telephone system based on the principle of stability first and foremost. This platform is as steady as a proverbial rock, tried and tested with a full complement of PBX features that you would only find on the very best of all Commercial Telephone Systems.

The Brindley telephone system can be installed on hardware (On premise) or more conveniently as in this case hosted (Virtual) on our AWS (Amazon Web Service) cloud infrastructure almost anywhere in the world. If you are an end user you can have a telephone system that just works straight 'out of the box' or if you are a Carrier/ ITSP you will have use of the commercial features and products aimed at running a multi-tenant platform at your full disposal.

Our commercial Carrier and ITSP clients have the ability to run multiple PBX's seamlessly integrated alongside our billing product **BDEye billing** which acts as a multi-PBX softswitch for creating Tenants, cutting off calls for prepay and postpay, anti-fraud detection, client portal and much more. This family of integrated products can be used in part or as a whole to enable a 'rapid deployment' of services and allow you to grow with ease.



## Technical Specification

- Web based PBX engine built on robust LAMP stack
- Client specific AWS hosted Cloud images
- Back-up guaranteed
- 99.9% uptime
- Firewall protected
- Softswitch integration functionality (With BDeye billing)

### What do I need to connect to your service?

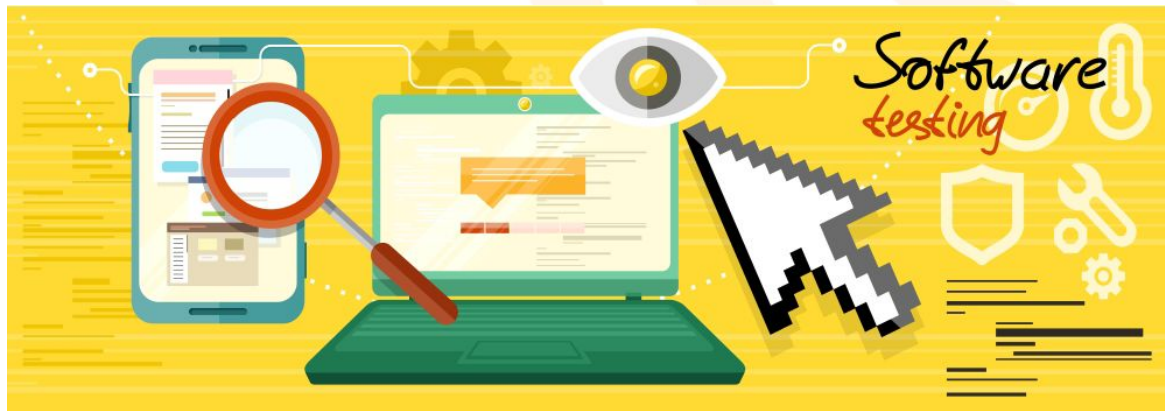
You need an uncontended connection to the internet like Virgin fibre or BT Infinity to name but a few. With a stable connection to the internet we can guarantee your voice quality.

### What about redundancy if the internet connection goes down?

We can automatically redirect your inbound calls to other numbers even mobile phone.

### Do I lose my BT telephone number?

No we can carry your number over to our cloud service so that your clients can call the same number and you do not even have to tell them that anything has changed.



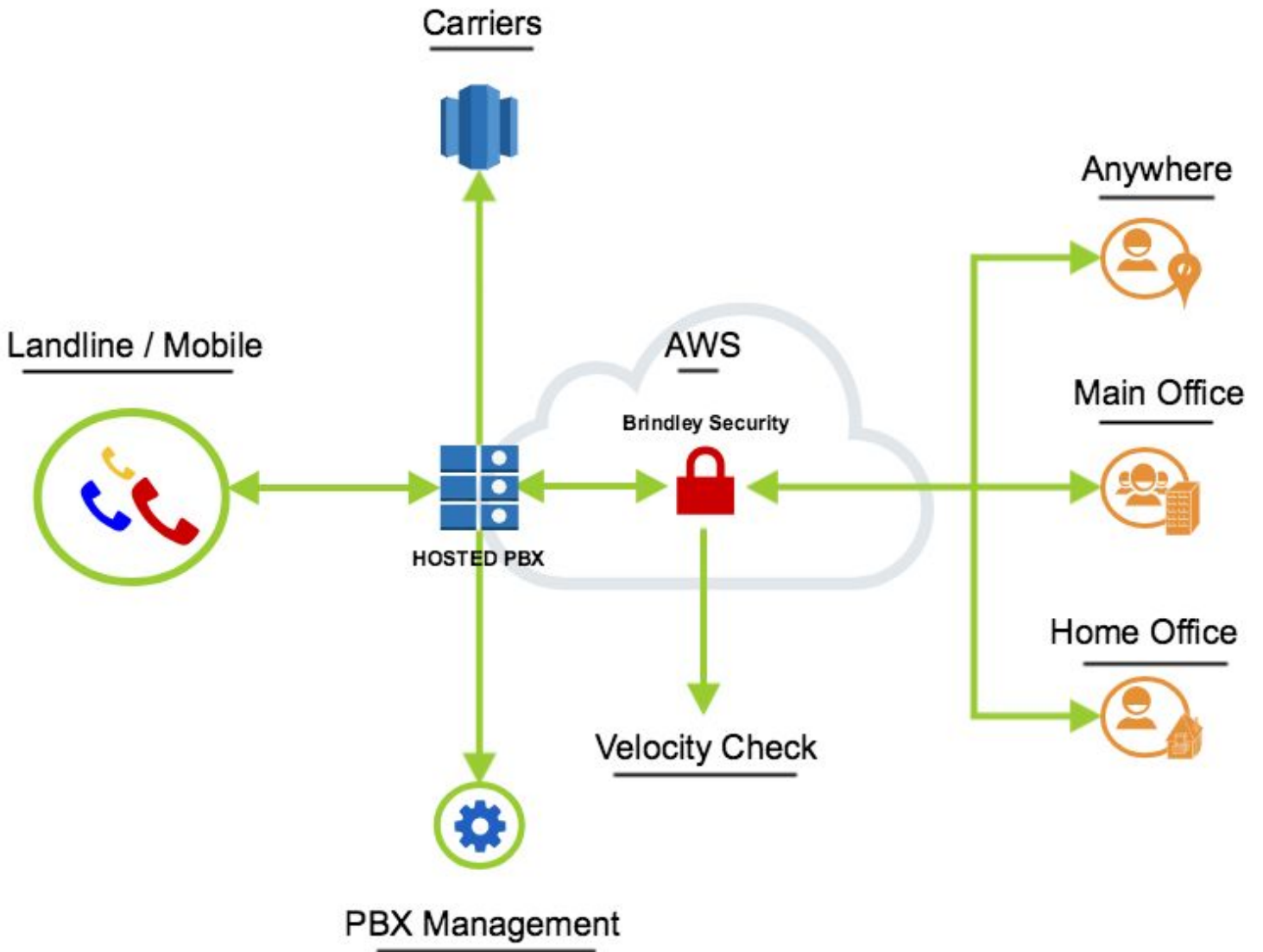
## Features and benefits

- Compatible with all open SIP handsets and SIP softphones
- Zero touch and/or automatic provisioning (Aastra, Cisco, Panasonic, Polycom, Snom, Yealink)
- IAX2 & SIP VoIP trunking capability
- Basic Call Recording & Call Logging
- Unlimited inbound DDI numbers
- Unlimited voice mailboxes with voice mail storage
- Call management - hold, transfer, forwarding
- Hot desking interface
- Queues and agents
- Paging/Tannoy capability
- Music on hold
- Intuitive web based configuration and management interface
- Detailed per extension call records
- Free interoffice calls with suitable connectivity





# CLOUD PBX DIAGRAM







# INTERFACE EXAMPLES

## IVR MENU CREATION

**ip-172-31-18-158 - Ext SIP/401**

General | SIP/401 Keys | Short | CPMS | SIP | Asterisk | Provisioning

Extension Number: 401  
 Caller Name: PAUL  
 Password: RAVOURXIK  
 MAC: 00C342300048  
 Auth: Always I  
 SecOpts: Default -1  
 Local/Remote: Remote I  
 SIP TLS/SRTP: off I  
 Caller ID: 01928238338  
 Alert-info string:   
 Ring Time (seconds):   
 Cellphone Twin:   
 SIP: 401  
 Name: PAUL  
 Center: #password: 401-401  
 Music: 001: 0-0-0-0-0  
 Plan: 0000  
 ID: 0000000000  
 MAC: 00C342300048

## SIP FIREWALL

**ip-172-31-18-158 - Firewall**

Source	Dest/Port	Port	Comment	Description	Set
net:44.22.252.0/24	tcp	5000-5001	Unrestricted	Net	
net	tcp	5074	Unrestricted	Asterisk SIP	
net	tcp	50	Unrestricted	Net	
net	tcp	443	Unrestricted	Net	
net	tcp	23	Unrestricted	Net	
net:8.8.8.8	udp	53	Unrestricted	Net	
net:12.42.8.17	tcp	280	Unrestricted	Net	
net	udp	7744	Unrestricted	Net	
net	udp	5355	Unrestricted	Net	
net	udp	7992	Unrestricted	Net	
net	udp	5000-5004	Unrestricted	Net	

## MP3 GREETINGS UPLOAD

**ip-172-31-18-158 - Greeting**

Number	Description	Filesize	Playtime	ByL	Play	Del
0000000000	Welcome	2008-08	7791	✓	▶	✖
0000000000	Nobody Available	179349	466	N/A	▶	✖
0000000000	Out of hours	294936	466	N/A	▶	✖
0000000000	Net	224215	4971	✓	▶	✖

## CALL GROUP CONTROL

**ip-172-31-18-158 - IVR Welcome**

IVR | SMP

IVR Name: welcome  
 Greeting Number: 00011

1 2 3  
 4 5 6  
 7 8 9  
 \* 0 #

## LIVE CALL MONITORING

**ip-172-31-18-158 - Call Activity**

1 active call  
 1135 calls processed

00:00:23 01928238338 → 07908971810 → SIP/BrindleyOffice-00000cd6

## CALL GROUP CONTROL

**ip-172-31-18-158 - Call Groups**

Number	Description	Type	Tag	Target	Outcome	NextStep	Edits	Del
2000	General	Ring	None	403 403 401	Category 2001	default	✎	✖
2001	Ass	Ring	None	403 403	Category 2002	default	✎	✖
2002	Everyone	Ring	None	403 403 403 404 405 406	Category 4004	default	✎	✖
2003	Technical	Ring	Technical SIP	403 404 405	Category 2002	default	✎	✖
2004	Sales	Ring	Sales SIP	403 403	Category 2002	default	✎	✖
4004	Redirect to Home	Ring	Ring	07908971810	NA-CNC	default	✎	✖
5002	Withdraw	Ring	None	01928238338	Manager	default	✎	✖
5006	Make share support	Ring	None	07908971810	IVR-CDN	default	✎	✖

