

VoIP for n00bs...by a n00b



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Hardware



- ✓ Spare server or Vmware
 - ✓ This will host VoIP server / VoIP Distro
- ✓ Ethernet
- ✓ ~512 RAM
 - ✓ really depends on how many lines you want and if you are running under Vmware
- ✓ ~ 1Ghz Processor
 - ✓ Also really depends on how you deploy it

Software



- ✓ Asterisk

- ✓ Asterisk.org

- ✓ Trixbox.org

- ✓ Astlinux.org

- ✓ OpenSER

- ✓ Openser.org

- ✓ YATE

- ✓ <http://yate.null.ro/pmwiki/>

Asterisk



- ✓ Most Popular Open Source VoIP Server
- ✓ Funded by Digium
- ✓ Asterisk Distros:
 - ✓ AsteriskNOW (Digium)
 - ✓ Trixbox (formly Asterisk @ Home)
 - ✓ AstLinux (minimal/embedded Asterisk)

Trixbox



- ✓ Recently changed its name from Asterisk @ Home
- ✓ Was purchased by Fonality
- ✓ Releases a Asterisk Distro
 - ✓ Think Ubuntu or Fedora for VoIP
- ✓ CentOS 4 based distro

Trixbox Features



- ✓ trixbox dashboard
- ✓ Asterisk(tm) Open Source PBX
- ✓ FreePBX web management tool
- ✓ SugarCRM
- ✓ Munin (via package manager)
- ✓ HUDLite server/admin (via package manager)
- ✓ IVRGraph (via package manager)
- ✓ phpMyAdmin? (via package manager)
- ✓ Webmin (via package manager)

Trixbox Call Features



- ✓ Automated Attendant
- ✓ Blacklists
- ✓ Blind Transfer
- ✓ Call Detail Records
- ✓ Call Forward on Busy
- ✓ Call Forward on No Answer
- ✓ Call Forward Variable
- ✓ Call Monitoring
- ✓ Call Parking
- ✓ Call Queuing
- ✓ Call Recording
- ✓ Call Routing (DID & ANI)
- ✓ Call Snooping
- ✓ Call Transfer
- ✓ Call Waiting
- ✓ Caller ID
- ✓ Caller ID Blocking
- ✓ Caller ID on Call Waiting
- ✓ Calling Cards
- ✓ Conference Bridging
- ✓ Dial by Name
- ✓ Direct Inward System Access

Trixbox Call Features - cont.



- ✓ Interactive Directory Listing
- ✓ Interactive Voice Response (IVR)
- ✓ Local and Remote Call Agents
- ✓ Music On Hold
- ✓ Overhead Paging
- ✓ Remote Call Pickup
- ✓ Remote Office Support
- ✓ Roaming Extensions
- ✓ Route by Caller ID
- ✓ Supervised Transfer
- ✓ Talk Detection
- ✓ Text-to-Speech (via Festival)
- ✓ Three-way Calling
- ✓ Transcoding
- ✓ Trunking
- ✓ Visual Indicator for Message Waiting
- ✓ Stutter Dialtone for Message Waiting
- ✓ Voicemail to email
- ✓ Web Voicemail Interface
- ✓ AGI (Asterisk Gateway Interface)
- ✓ Graphical Call Manager
- ✓ Outbound Call Spooling

VoIP Providers



- ✓ There are TONS of VoIP Providers
- ✓ Vitelity
- ✓ BroadVoice
- ✓ VoicePulse
- ✓ Need one that is BYOD
- ✓ Vonage and Packet8 will NOT work

Vitelity



- ✓ Price was right
 - ✓ \$0.01 - \$0.0139 a call in and outbound
 - ✓ \$1.49 DID
 - ✓ \$0.50 1-800 #
- ✓ Support has been really really good
- ✓ Have a pretty good portal for accounting

My Bill



- ✓ 04-07-2007 to 05-08-2007
 - ✓ 413 minutes in and outbound
 - ✓ Grand total is.....

HOLY \$|-|i+!!!!



✓ \$9.18

✓ \$4.70 for minutes

✓ \$1.49 x 2 DIDs

✓ Columbia, MD DID

✓ Mobile, AL DID

Demo

- ✓ Now I will show you how to setup a VoIP Server in under 10 Minutes...
- ✓ now a prayer to the Demo Gods.....