Introduction

APRICOT2010 VoIP Workshop
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Jonny Martin - jonny@jonnynet.net
Steve Kurzeja - stevek@callplus.co.nz

Housekeeping

- Please don't trip on cables :)

- Careful when entering the center of the room - lots of cables hanging around the routers

- Bathrooms out the main door and to the right

- 9.00am start please!

  - 10.30am - 11.00am morning tea

  - 12.30pm - 2.00pm   lunch

  - 3.30pm - 4.00pm   afternoon tea

Jonny

- Been building VoIP networks for about nine years

- Currently working for Packet Clearing House in San Francisco

  - Non-profit working on critical internet infrastructure - Anycast DNS services, IXPs, INOC-DBA

- I'm more than happy to help you out at any time - just email / ring / IM

- Lots of experience in VoIP, optical networks, access networks, wireless, outside plant. Especially practical and pragmatic networking

Steve

- Currently working at CallPlus in Auckland, New Zealand

- Doing VoIP since 1883

- Systems work, network engineering, voice engineering

- Building a quantum teleporter in his spare time

Agenda

- Day 1

  - Introduction to Telephony

  - Introduction to SIP

  - Asterisk Introduction

- Day 2

  - Basic Asterisk configuration

  - Advanced Asterisk configuration

Agenda... ctd

- Day 3

  - Introduction to Cisco voice gateways

  - Advanced Cisco voice gateways

  - Intro to OpenSIPS

- Day 4

  - More OpenSIPS

  - VoIP tools - callflows, QOS, voice quality, troubleshooting

Agenda... ctd

- Day 5

    - ENUM

    - Voice Network Architectures

    - Other VoIP products (time permitting)

        - trixbox

        - others?

It is assumed that you have...

- a basic knowledge of Linux/Unix

- a basic knowledge of Cisco IOS

- a rough idea of what VoIP is

- a desire to learn and partake

Some questions

- Who is running production VoIP networks?

  - What sort of hardware / software?

- Who has configured VoIP networks before?

- Who has used Asterisk before?

- Who has used Cisco voice gateways before?

- Who has any Unix/Linux experience

Lab equipment

- Laptops

  - username *voip*, password *discovoice*

- Laptops have built in power management we can't seem to disable through Ubuntu - this means the screen will dim whenever it boots or the screensaver turns on

  - You need to log in, then press Fn+F6 several times to increase the brightness

  - Chocolate fish for anyone who can permanently fix this!

Lab Server

- http://169.223.146.13/slides/

- http://169.223.146.13/lab/