

Introduction

SANOG12 VoIP Workshop
Kathmandu, August 2008

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Jonny

- Been building VoIP networks for about nine years
- Currently working for FX Networks in NZ
 - 40Gbit/s nationwide backbone, ISP, Voice services and voice peering exchange
- Soon to work for PCH in San Francisco
- 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

Vicky

- Currently working at Packet Clearing House, based in Kathmandu
- Been building networks for a long time
- Networking, VoIP, Security

Agenda

- Day 1
 - Introduction to Telephony
 - Introduction to SIP
 - Asterisk Introduction
- Day 2
 - Local VoIP issues
 - Basic Asterisk configuration
 - Advanced Asterisk configuration

Agenda... ctd

- Day 3
 - Trixbox
 - Extensions, voicemail, DDIs etc.
 - Trunks to other groups
 - Introduction to Cisco voice gateways
- Day 4
 - Phone provisioning, NAT issues, Codecs
 - VoIP network architecture considerations

Agenda... ctd

- Day 5
 - SIP call analysis and other tools
 - ENUM
 - Other VoIP products (time permitting)
 - Cisco Callmanager
 - SIP express router
 - FreeSwitch

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

If time permits...

- SIP call analysis
- ENUM
- Advanced Asterisk techniques
- Advanced Cisco gateway configuration