

SANOG 25, Kandy, Sri Lanka

# Introduction to IP Telephony

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HELLO, TECH SUPPORT?



I TRIED USING THAT  
INTERNET TELEPHONE  
THING, BUT IT DOESN'T  
WORK.

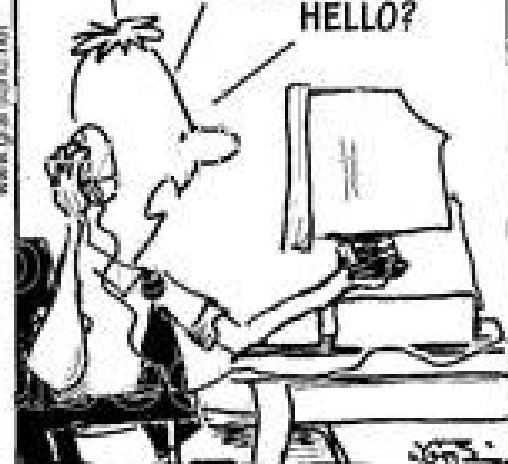


EVERYTHING LOOKS OKAY  
FROM HERE. TRY IT AGAIN.

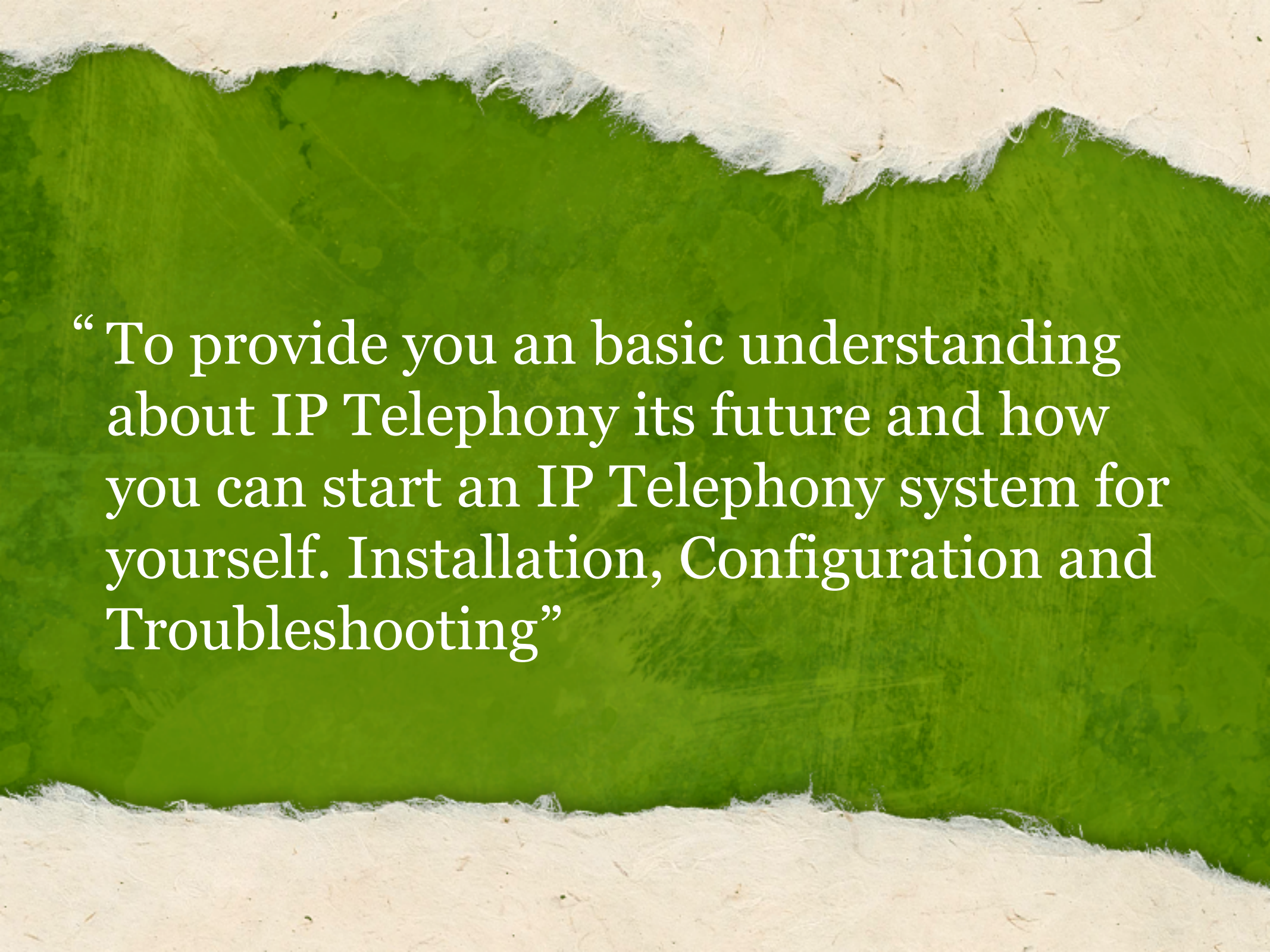
OKAY.



HELLO?  
HELLO?  
HELLO?







“To provide you an basic understanding about IP Telephony its future and how you can start an IP Telephony system for yourself. Installation, Configuration and Troubleshooting”



# House Keeping

- ❑ Please don't trip on cables :)
- ❑ 9:00 am start ...
  - ❑ 10:30am -11:00 am morning tea.
  - ❑ 12:30pm-2.00 pm lunch
  - ❑ 3:30pm -4:00pm afternoon tea.

# Sujon (Anowar Hasan Sabir)

- ❑ Started as a software developer.
- ❑ Been building VoIP networks for about 5 year.
- ❑ Currently working as the head of IPTSP in BDCOM Online ltd.
- ❑ have taken tutorial on SANOG and BDNOG previously.
- ❑ I am more happy to help your out at any time. just email /skype / ....



# Sumon Ahmed Sabir

- ❑ One of the early bird of network professionals in Bangladesh.
- ❑ Been managing networks for more than 18 years.
- ❑ Currently working as CSO at fiber @ home IIG..

# Where are we in the OSI Model





# Agenda



# Agenda

## ❑ Day 1

- ❑ Introduction to Telephony
- ❑ Introduction to SIP
- ❑ Introduction to Asterisk

## ❑ Day 2

- ❑ Basic Asterisk Configuration
- ❑ Advance Asterisk Configuration
- ❑ DialPlan

# Agenda

## ❑ Day 3

- ❑ Common Asterisk Applications
- ❑ Basic IVR
- ❑ Voicemail
- ❑ Conference Bridge
- ❑ Queue
- ❑ SS7/PRI

## ❑ Day 4

- ❑ Voice Network Architectures
- ❑ Billing
- ❑ Other VoIP products



# Agenda

- ❑ Day 5
  - ❑ Installing and basic configuration of Sip Express Router
  - ❑ SIP Security

# It is assumed that you have

- ❑ a basic knowledge of Linux/Unix
- ❑ a rough idea of what VoIP is
- ❑ a desire to learn and explore.



A horizontal strip of white, textured paper with a torn, deckled edge is positioned in the upper half of the frame. The paper has a fibrous appearance with some small brown specks. The background is a solid, vibrant green with a subtle, mottled texture.

Let's begin ....