

BDNOG 3, DHAKA

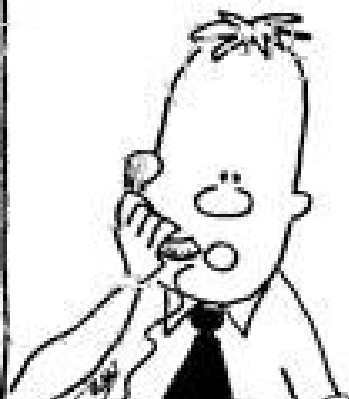
# Introduction to IP Telephony

Anowar Hasan Sabir, Suman Kumar Saha  
Al Faruq Ibna Nazim, Jahangir Hossain

HELLO, TECH SUPPORT?



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



EVERYTHING LOOKS OKAY  
FROM HERE. TRY IT AGAIN.

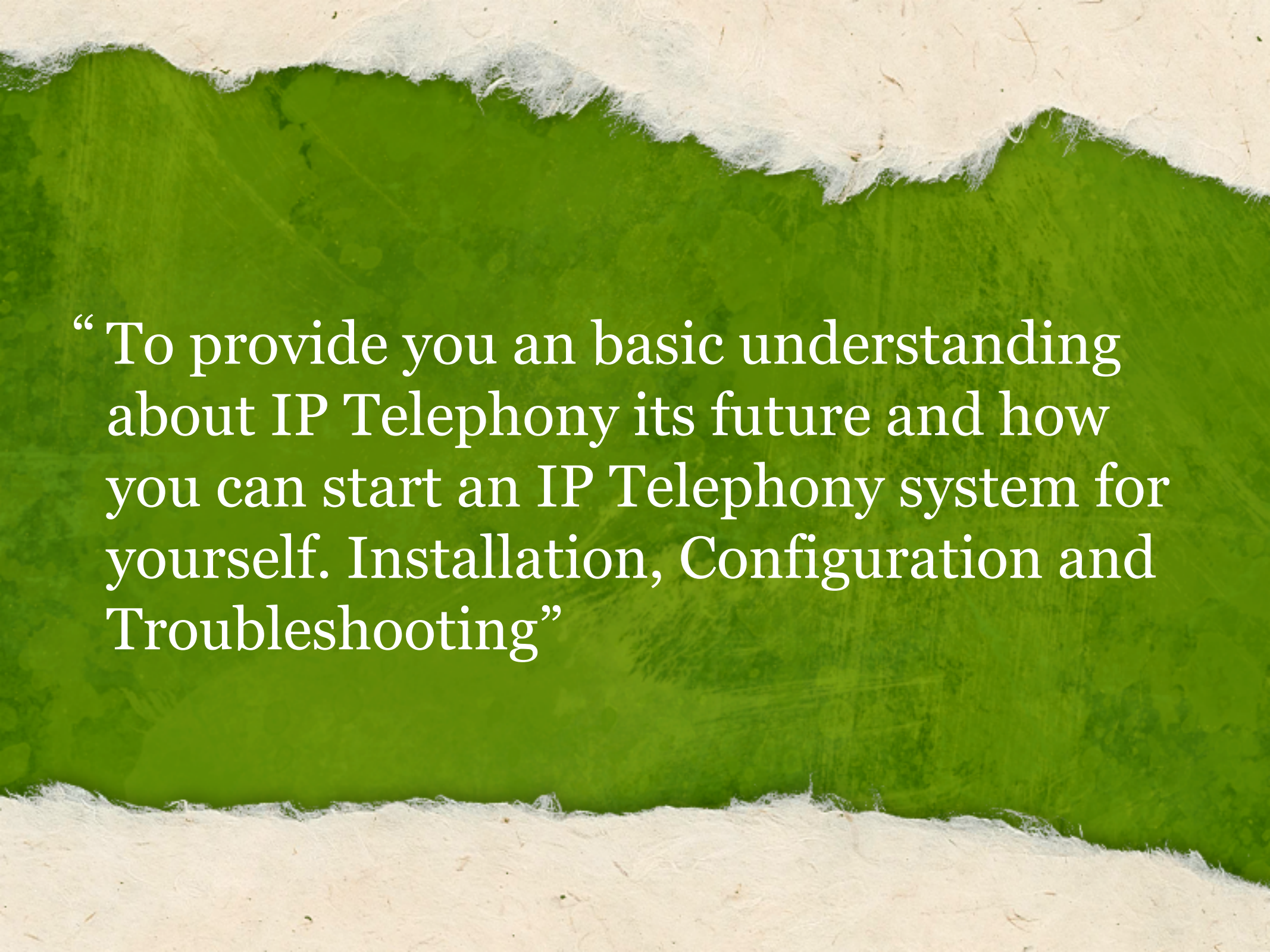
OKAY.



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 :)
- ❑ 9:30 am start ...
  - ❑ 11:00am -11:30 am morning tea.
  - ❑ 01:00pm-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 / ....



# Suman Kumar Saha

- ❑ Started Career as NOC Engr.
- ❑ Working with IPT and Linux System Administration
- ❑ Currently working as Manager, System Administration
- ❑ Contact for any query to Email: [suman@dhakacom.com](mailto:suman@dhakacom.com)  
Skype: suman\_3999

# Where are we in the OSI Model





# Agenda



# Agenda

## ❑ Day 1

- ❑ Prerequisite and basic LINUX
- ❑ 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
- ❑ 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.





Let's begin ....