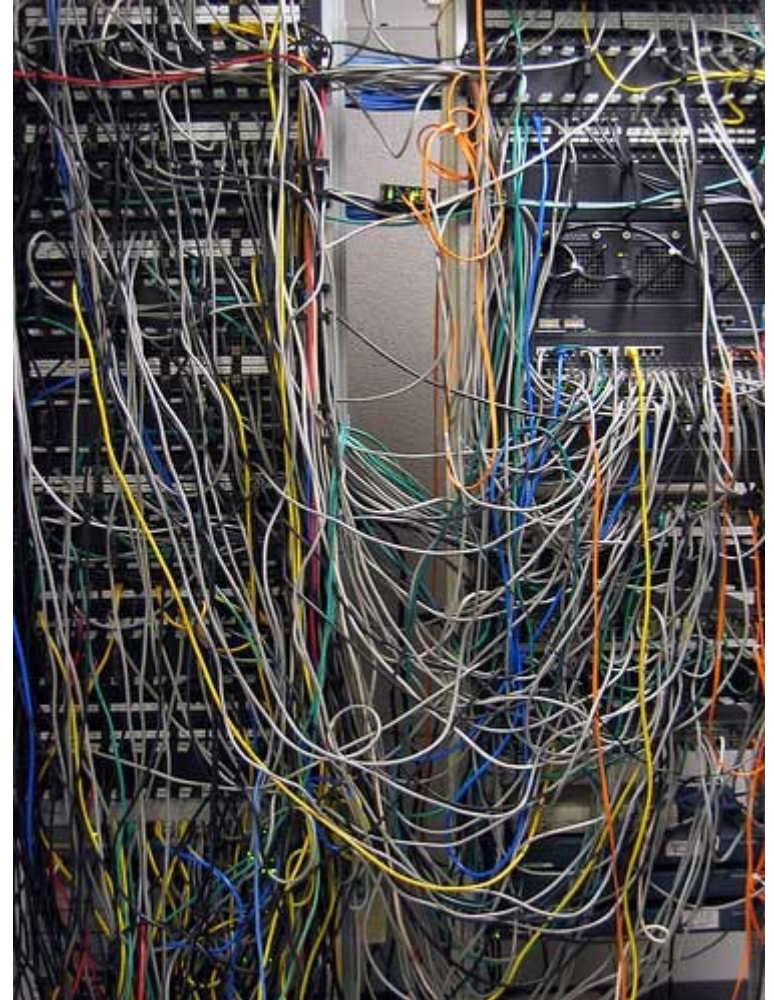
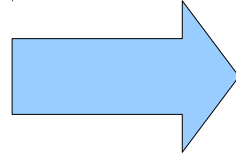
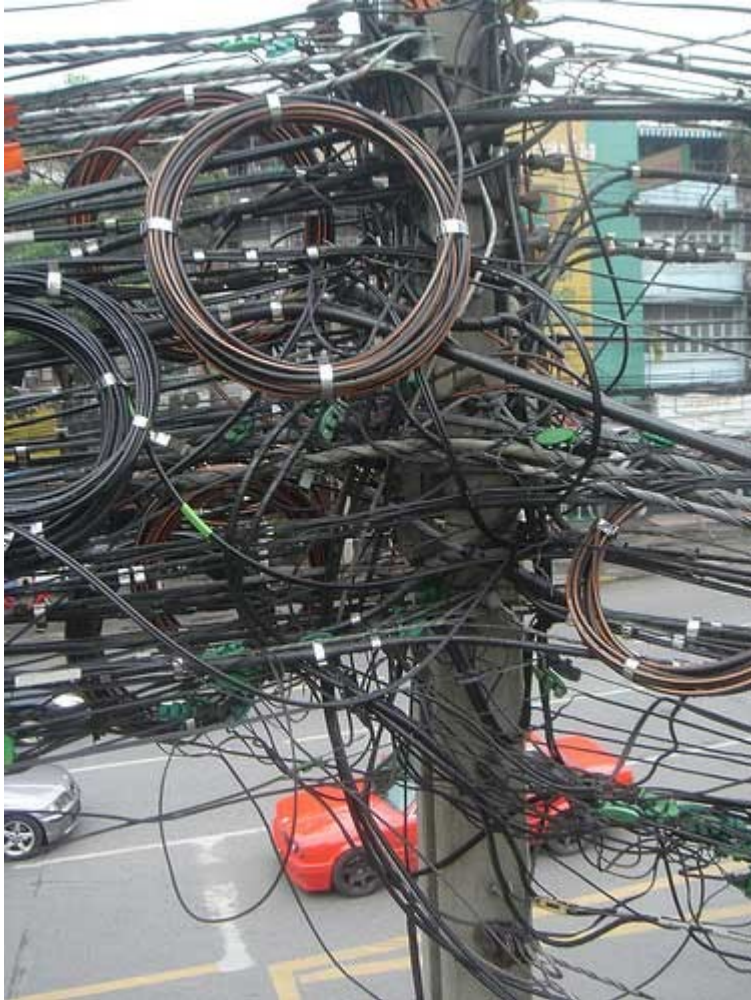


SIP Tutorial

Agenda



First Day

- SIP Basic (RFC3261, RFC3263, RFC3264)
- SIP Advanced call flows (UPDATE, REFER, PRACK)
 - ENUM
 - SIP Service examples (transfer[attended/unattended], hold, call park, call pickup)
 - RFC 3265 (SUBSCRIBE/NOTIFY)
 - Privacy, Security (RFC4474)
- Dialplan
 - Hungarian regulation
- SIP implementations
 - UA
 - Hard, Softphone
 - PROXY (REGISTRAR, REDIRECT)
 - B2BUA
- SIP endpoint bulk deployment (DHCP options, tftp, http, ftp configuration files management)

Second Day

- OpenSIPS (SIP proxy)
 - Theory
 - Routing
 - Most important modules
 - Hands on
 - UA registration
 - MySQL
 - LDAP + Freeradius
 - Accounting

Third Day

- Asterisk(B2BUA)
 - Theory
 - Configuration (modules, extensions,sip.conf)
 - Context
 - Extensions matching
 - macro
 - Most important application/functions
 - Variables
 - Hands on
 - Asterisk CLI
 - Simple call
 - UA Registration (user,peer friend)
 - Troubleshooting, debugging
 - Logging
 - Accounting

Fourth Day(?)

- SIP+NAT
 - ICE, TURN, STUN
- Interworking SIP <=> ISDN/POTS
 - ISDN/POTS
 - Gateways
 - Asterisk
 - Cisco
- Environment
 - Network
 - QoS
 - VLAN
 - RSPT
 - bonding
 - Backup