Part 1 - IU13 Modern Voice Communication Webinar Series

# Transitioning to Modern Voice Communication

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#### **Topics Covered**

- Which features matter?
- Getting clarity on your current PBX
- Cloud versus on-premise PBX
- How can we help?
- Q&A / Open forum



#### Which features mattered in 2020?

- Ability to join or start a conference from any device, anywhere, anytime
- Caller ID masking (\*67, CLID modification, or DISA)
  - $\circ \qquad {\sf School \ contact \ scenario, \ value \ of \ instruction}$
- Softphone client access without the need for VPN
- Rich collaboration Instant messaging, video, screen sharing, file transfer
- Voicemail delivered to e-mail inbox
- Text SMS & MMS

#### **"F**ocus on the features that you need for today.

**Grow** into the platform that you need for tomorrow.

#### "I understand my telephone bill"

Yes - 56%

Some of it - 35%

No - 9%

#### Look Familiar? Get Clarity.

### Telco "geekspeak":

CLEC - Competitive Local Exchange Carrier PRI - Primary Rate Interface CTX - Centrex POTS - Plain old Telephone Service DID - Directed Inward Dial ISDN - Integrated Services Digital Network

#### SERVICES BUSINESS LINE CLEC PRI ACCESS VARIABLE 20 20 NUMBER DID BLOCK CTX 51-100 LNS BASIC SVC 5 YRS 201 DIRECT IN DIAL POTS NUMBER ID NUMBER OF DIRECTORIES NON-PUBLISHED SERVICE E-RATE SCHL/LBRY DISC 17 17 20 NUM DID BLK CONT ATE VAR BLOCK 9XX CAL PRI CALL CID-VA CLEC RI BKUN CH. NNE' VARIABLE ISDN YR PRI RA'rE INTRFC BUS REMOTE CALL ORWARDING BUS TOTAL SERVICES SURCHARGES AND OTHER FEL FCC END USE ISD PUTT PRI ACCESS CHARGE TER FCC ULDER FCC ACCESS CHG CL TREX BUSINES ACCESS RECOVERY CHARGE MLC ACCESS RECOVERY CHARGE PRI 911 SERVICE FEDERAL UNIVERSAL SERVICE FEE PA RELAY SURCHARGE TOTAL SURCHARGES AND OTHER FEES

#### **Keeping Costs Under Control**

- Understand features of current platform
- May not need to "rip and replace"
  - SIP trunks unlimited usage long distance included it's just another application on your network
- New features may simply require a software update or a call to your vendor/VAR
- Security Authentication via PIN or application account access to restrict unauthorized use
- Understand licensed feature use How many users need to use special features?

# *"I understand my current local and long distance telephone setup"*

Some of it - 48%

Yes - 45%

**No - 7%** 

### VoIP (SIP) Pricing Can Be Easier to Understand

(Once you understand the technology)

- SIP trunks are virtual voice circuits to your telephone provider over IP (VoIP)
- Changes in technology have ushered changes in how services are billed
- Telco infrastructure requirements for VoIP requires less proprietary hardware (softswitch)
- Less industry protection related to interconnection fees
- Blocks of long distance minutes with overages are less prevalent among VoIP Providers
- Lines blurred between local and domestic long distance
- **Pricing reflects industry shift toward "unlimited"** with a "gotcha" here and there
- Need to get the "out the door" price, with taxes and fees, generally priced based on...
  - How many concurrent calls do you need?
  - How many phone numbers (DIDs) do you want?
  - How are you connecting to the provider?

#### **Cloud Versus On-Premise PBX**

- SaaS landscape has offered more benefits moving from on-premise to cloud ۲
- TCO related to hardware is biggest cost driver, but not the only consideration
- Pricing for monthly recurring cost (MRC) of services needs to be considered
- Three main cost elements with cloud-based PBX to consider
  - Direct Inward Dial (DID) Your phone number 0
  - Calling plan Domestic/International, bundled minutes or unlimited 0
  - Software features and licensing impact Voicemail, conferencing, etc. 0
- "What else do I get?"





#### **On-Premise or "Hybrid" PBX Topology**



## Limitations of On-Premise PBX Topology

- Users "anchored" to desk telephones or internal networks to send and receive calls
- Multiple applications needed for audio/video/instant messaging
- Expensive hardware
- Limited technology options (PRI or POTS)
- Dedicated telephone cabling needed to service "last mile" to user
- Maintenance costs







#### **Cloud Hosted PBX Topology**



## Flexibility of Cloud Hosted PBX Topology

- One application for key collaboration features: voice, video, instant messaging and presence
- Consistent user experience between all devices
- Resident group messaging and collaboration framework
- Unified multi-modal collaboration experience for classrooms, offices, external stakeholders
- Minimal or possibly no hardware on premise required
- Software defined telephony
- Flexible coexistence strategies for ease of transition





#### Need Information? Let Us Help You Plan for UC!

#### Lancaster Lebanon IU13 IP Telephony Services



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https://www.iu13.org/phoneservice

#### May 3, 2021—May 5, 2021



### **Q&A and Open Forum!**

Please join us again...

**Part 2: Using Microsoft Teams to Replace your PBX** February 3, 2021 at 10:00 a.m.

**Part 3: Deploying Microsoft Teams for Enterprise Voice (and Other Options to Consider...)** February 17, 2021 at 10:00 a.m.

**Deep Dive into Microsoft Teams Direct Routing** TechTalkLive 2021, May 3 - 5, 2021, <u>www.techtalklive.org</u> to register Part 1 - IU13 Modern Voice Communication Webinar Series

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