Internet2 VoIP Initiatives CUDI Meeting 22 March, 2007 Torrenon Mexico

Dr. Walt Magnussen

Director for TAMU Internet2 Technology Evaluation Center ITEC
Email: Telecom@tamu.edu

Initiatives 2006/2007

- Sip.edu
- RTCAG
- VoIP SIG
- Commons
- ITEC

Sip.edu

- Led by Dennis Barron – MIT
- URI dialing
  - Integration with campus directory
  - Up to 250,000 users reachable
- Sip.edu workshops (sponsored by ITEC) to promote growth (next on in San Diego)
- http://www.internet2.edu/sip.edu/

Real Time Communications Advisory Group (RTCAG)

- Defining campus requirements
- Chaired by Tyler Miller Johnson (UNC)
- Delivered December 2006 members meeting
- Work in progress
  - Defines architecture
  - Vendor compliance document
- Document found at: http://www.internet2.edu/rtc/

VoIP SIG

- VoIP Working Group redefined at VoIP SIG at recommendation of RTCAG
- Co-Chairs
  - Walt Magnussen, TAMU
  - Candace Holeman, Harvard
  - Garret Yoshimi, University of Hawaii
- Over 304 names on list
- Try to have bi-weekly calls
  - SIP status
  - Security
  - SIP trunking
  - Open source proxies
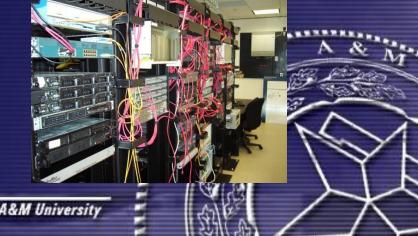- Sign up at: http://voip.internet2.edu/

Commons

- Internet2 Service offering
- Primarily focused on H.323 video
- Could have benefit to Universities in Mexico
- Commons wanting to expand services
- Look at current services at:http://commons.internet2.edu/
- Contact Jonathan Tyman: Tyman@Internet2.edu

Internet2 Technology Evaluation Center (ITEC)

- Focused on VoIP services
- Over $2 Million in VoIP equipment and growing
- Major Projects
  - NG 911 with US Department of Transportation and Columbia Univ and others
    - Phone location
    - Geographic based routing
  - CALEA – lawful intercept with SS8, Acme Packet, Penlink, Cisco and others
  - Disaster Recovery with Verisign
  - SIP Trunking
  - IPTV delivery model
  - SIP peering

SIP Peering

- H.323 peering in past (UNAM)
  - Not scaleable
  - Little Interoperability
- Maturity of SIP is allowing new peering opportunity
- Two possible approaches for central redirect server
  - Federated - Cedar Point, Nextone etc. run by Internet2
  - Outsourced Verisign NRS, Arbinet etc
- Challenge – Lets let Mexico (CUDI) involved

CUDI call to action

- Select champion
- SIP peering
- Sip.edu
- VoIP SIG – join or better yet, sponsor a call
- Commons