



# Three VOIP Issues

---

Phil Hippensteel  
Penn State/Harrisburg

[pjh15@psu.edu](mailto:pjh15@psu.edu)

717-948-6676



# What I'll Discuss

---

- Three issues that of significance at the time at which the slides were due (November, '02).
- What vendors are doing to address these issues.

# Issue #1: VOIP & the Transaction System



- 90% of the company business system runs on applications that use TCP.
- TCP is adaptive.
- TCP *will* adapt to a restriction in the size of the network “pipes.”
- How do we predict and accommodate the impact of introducing VOIP?
- The vendors’ responses...

# Issue #2: Security and VOIP

---

- Encrypting the voice payload.
- Encrypting the control packets.
- Calling through VPN tunnels.
- The vendors' responses...

# Issue #3: Storing the VOIP Data.

- Where should it be stored?
- How should it be replicated?
- How can it be accessed effectively?
- The vendors' responses...



# Questions / Discussion

---

- Steven Taylor
  - DNA/Webtorials.Com
  - Moderator
- Steve Davies
  - Ridgeway Systems
- Craig Cotton
  - Cisco
- Phil Hippensteel
  - Penn State University