Networks in financial firms and Pfizer
Xiwei (Eric) Liu
22-Feb-05

Business nature of clearnet
- Provide clearing for stocks traded
- Provide trading
- Provide some connections for ftp, email
- True money maker for the firm

Network requirement
- High bandwidth
- High security
- Extremely reliable
- Very fast response to problems

Physical Architecture of ClearNet
Tier 1
Tier 2
Tier 3
Tier 4
**Network project procedure**
- Design
- Budgeting
- Approval
- Purchase
- Scheduling
- Preparing for the cut
- Perform cut
- NOC taking over
- Troubleshooting

**Network projects in Pfizer**
- Very loose control
- Do it when you feel necessary
- Slow response
- Not much planning

**Pfizer network**
- Provide connections to daily users
- Not really mission critical

**Pfizer network setup**
- Cisco 6500s, no spanning tree
  - Single connection
- Huge difference between financial firm and Pfizer
Trends in corporate networks

- Voice and data networks combine
- Higher bandwidth
- Video over network
- IPv6 necessary over internet. Be prepared for that.
- Even higher security
- Outsource NOCs to oversea

Questions?
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