



# Good IT Security is BS!

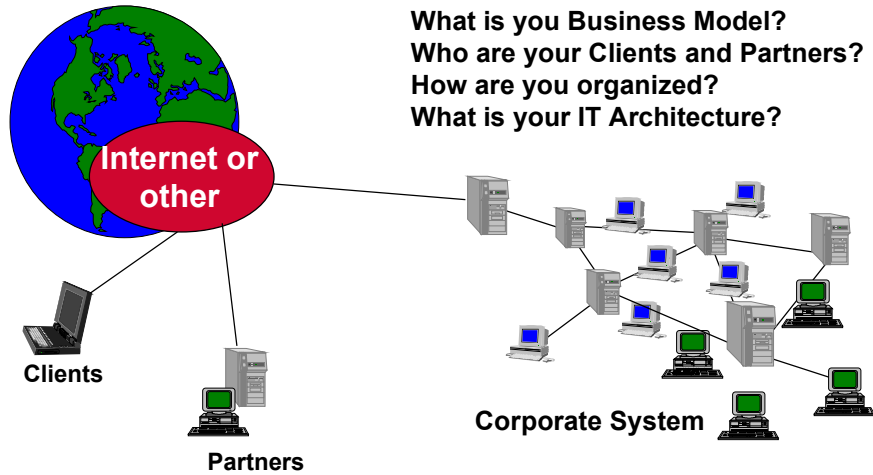
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## Key Problems

- **Good Security is BS**
  - Business-based Solutions
- **What is the solution?**
  - Firewalls, Smart Cards, PKI, Biometrics, or .....?
  - It starts with “Common Sense”
- **Lack of IT Security Expertise**
  - End-User Awareness
  - Monitoring of IT Security Devices
  - Monitoring End-User Activities

**Security is about reducing risks!**

# Typical Evolving Network

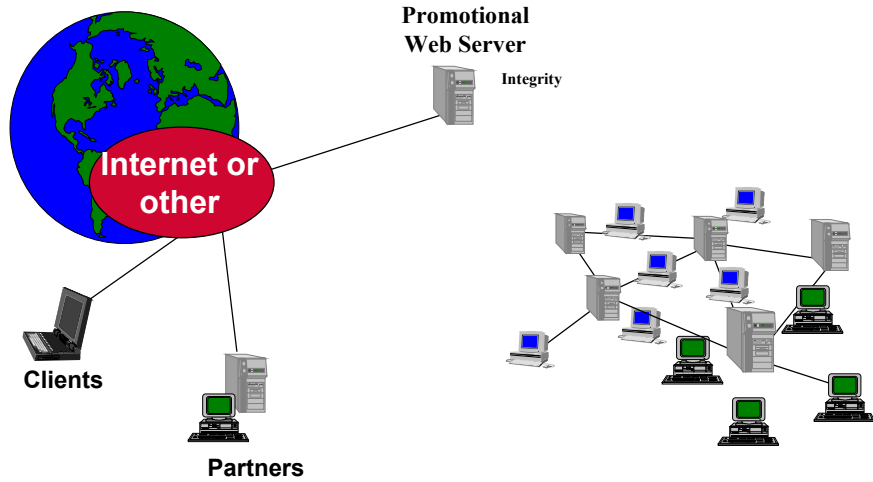


What is your Business Model?  
Who are your Clients and Partners?  
How are you organized?  
What is your IT Architecture?

## REFERENCES

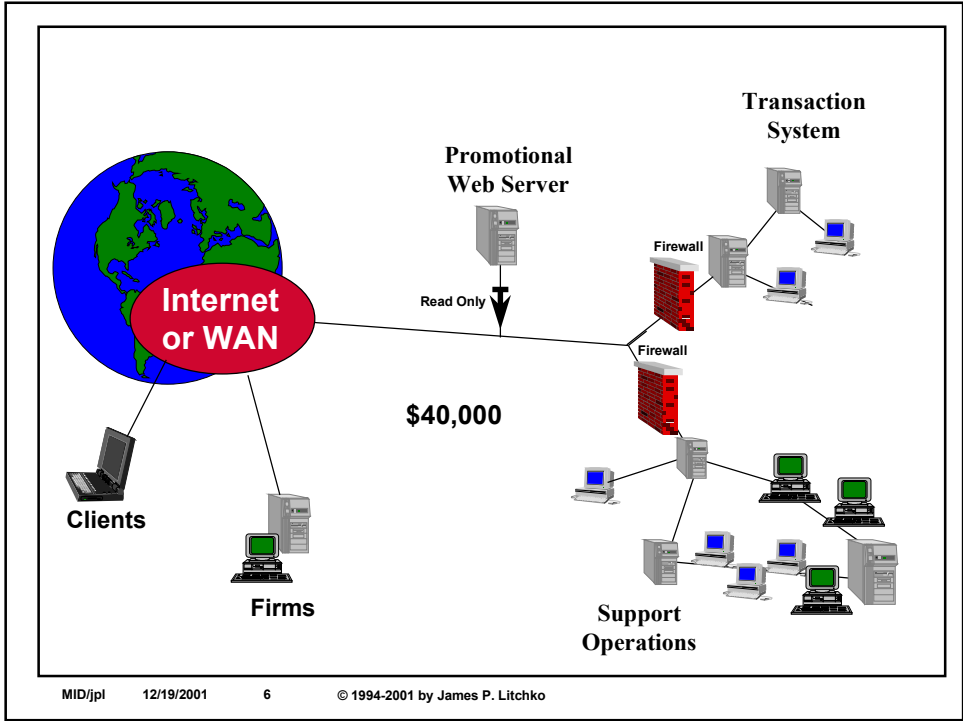
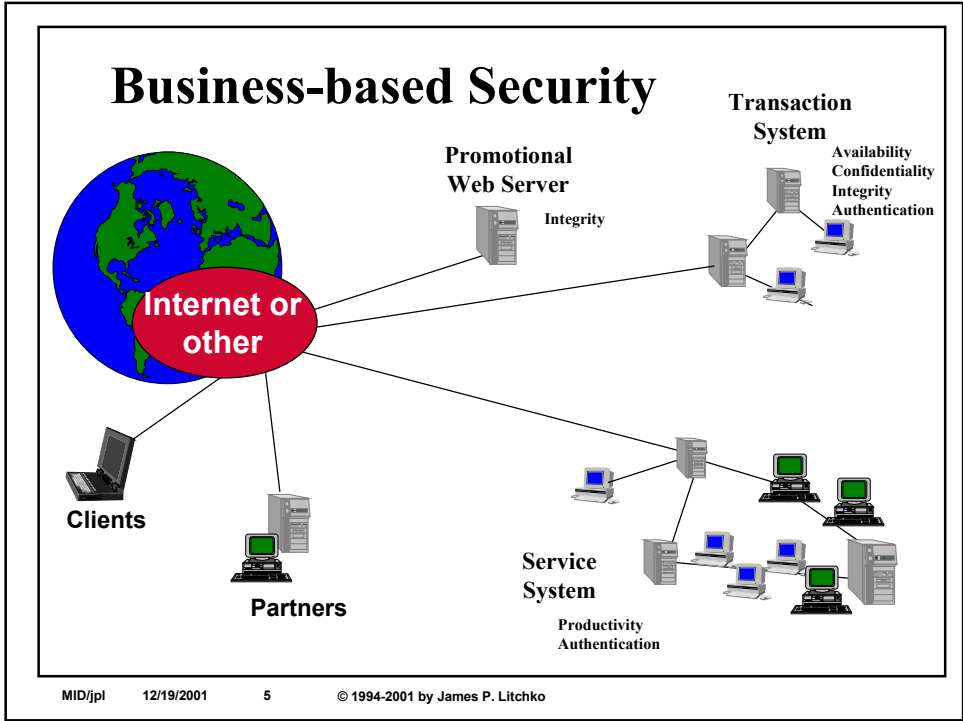
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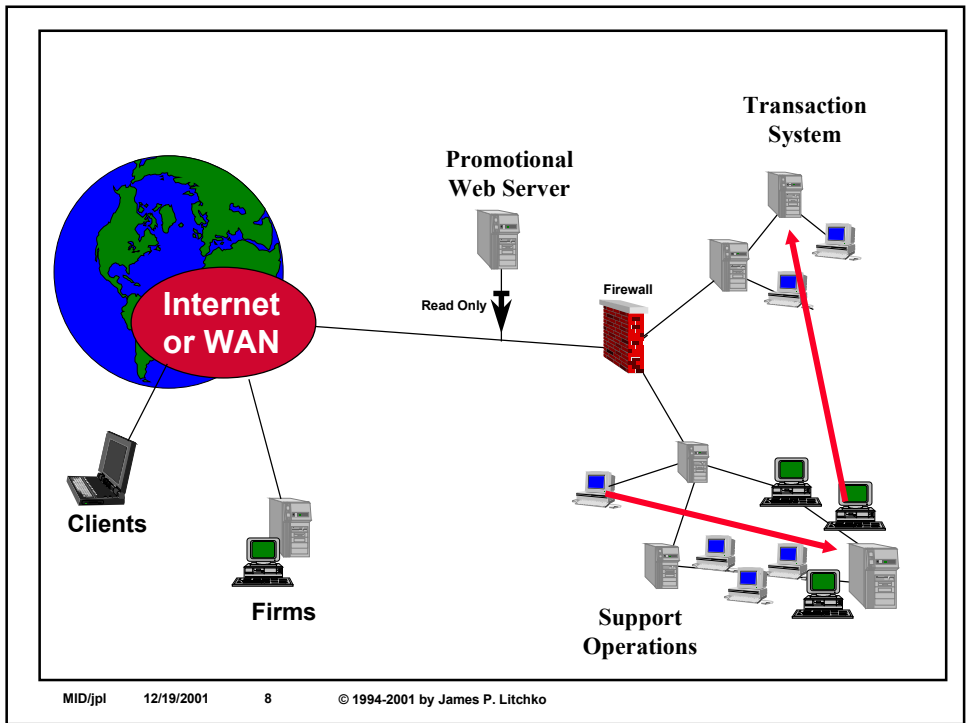
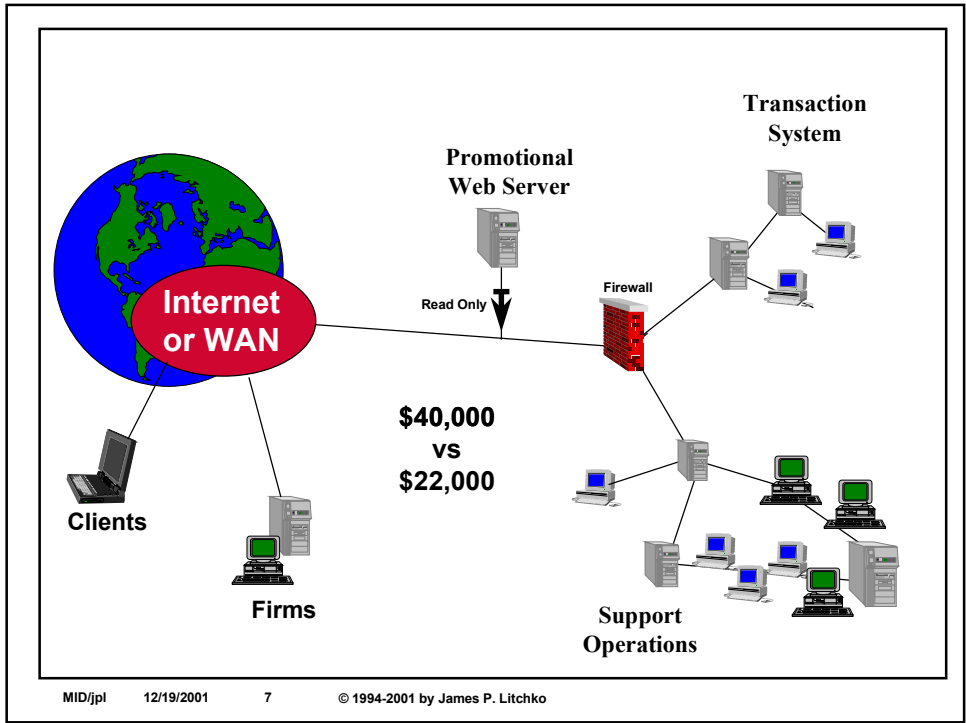
# Business-based Security



Promotional  
Web Server  
Integrity

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**Static Passwords are Bad!**

**CAUTION**

**Dynamic Passwords  
are Good**

## Authentication Solutions



• Smartcards



• PCMCIA Card  
Spyrus  
Fortezza



• Tokens  
SecureID  
Challenge-Response



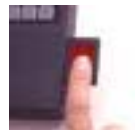
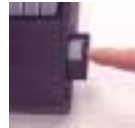
• SmartDisk  
Fischer International



• Computer Chip  
DataKey  
iKey



# Biometrics



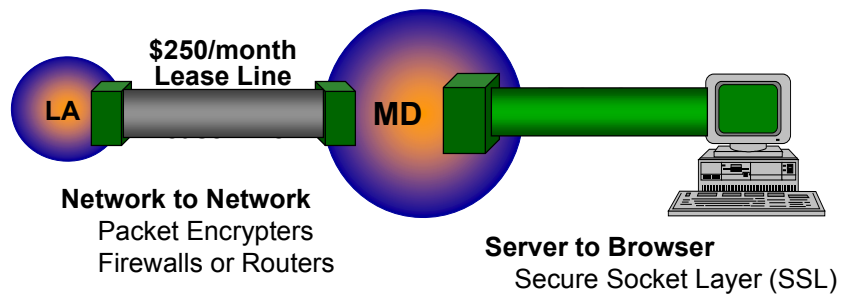
Authenticam™  
Panasonic

<http://www.identix.com/itsecurity/products/index.html>

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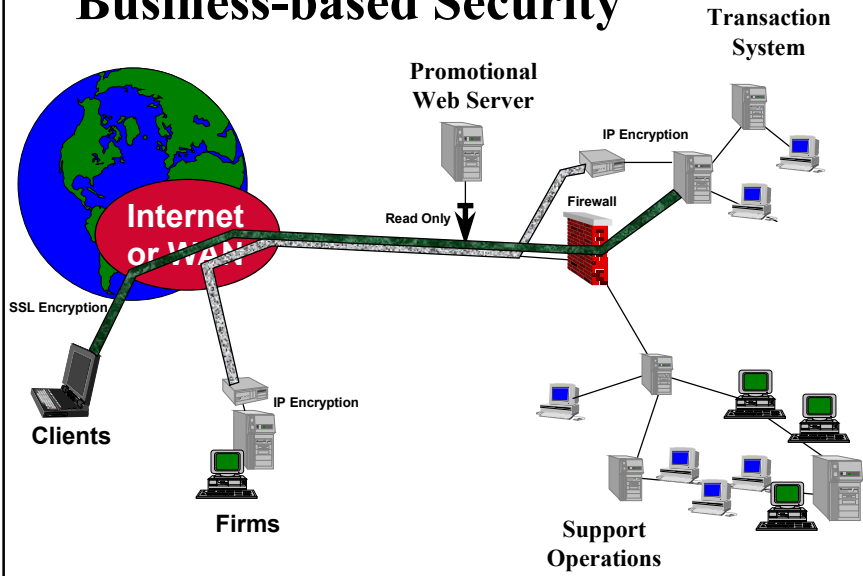
# Virtual Private Networks

Virtual Secure Pipes through the Internet

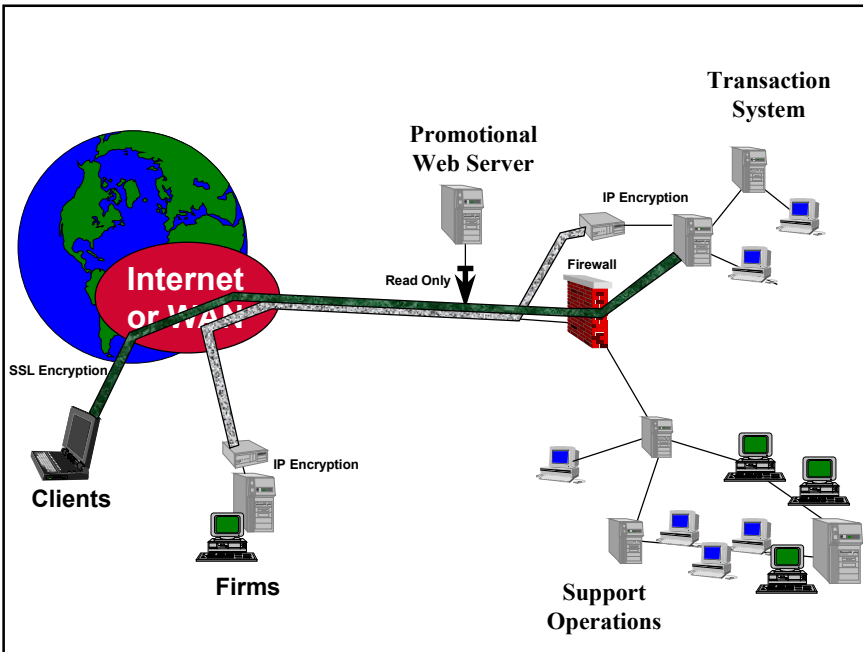


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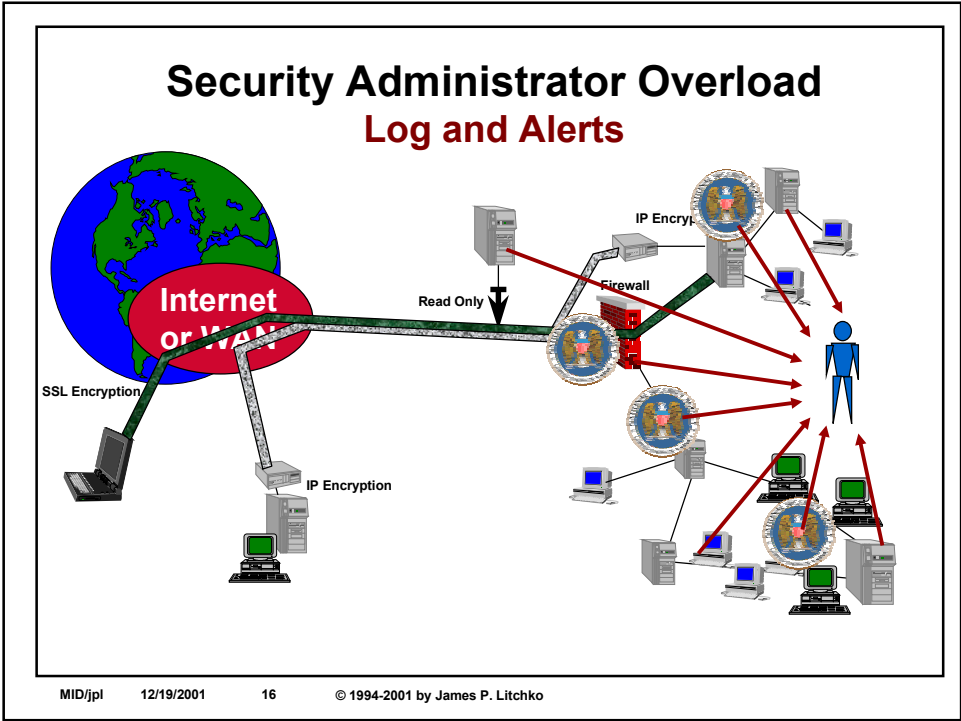
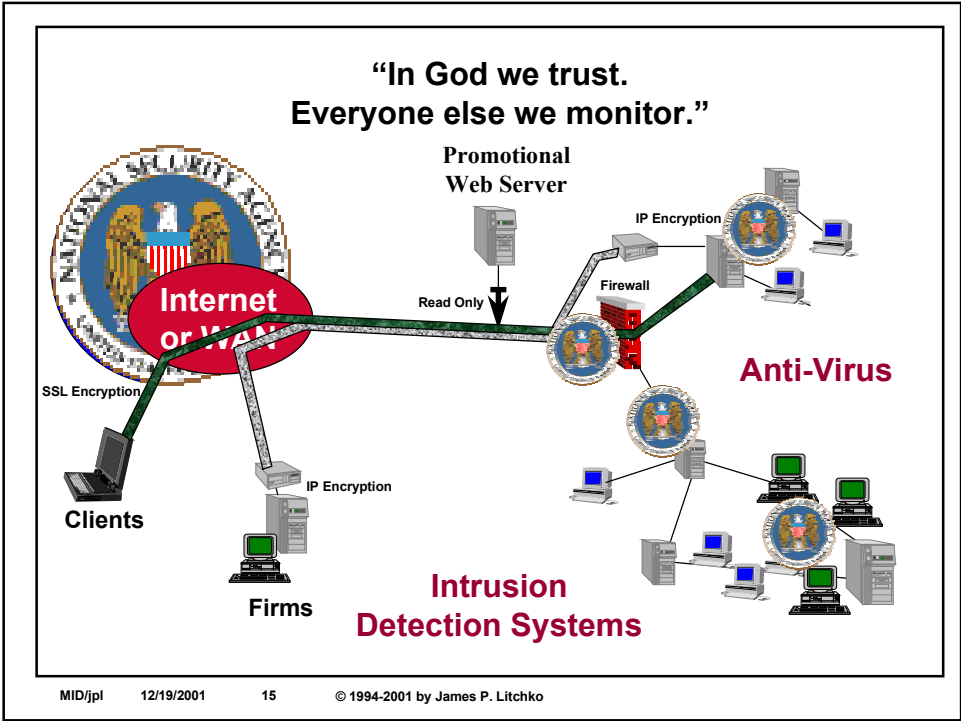
# Business-based Security



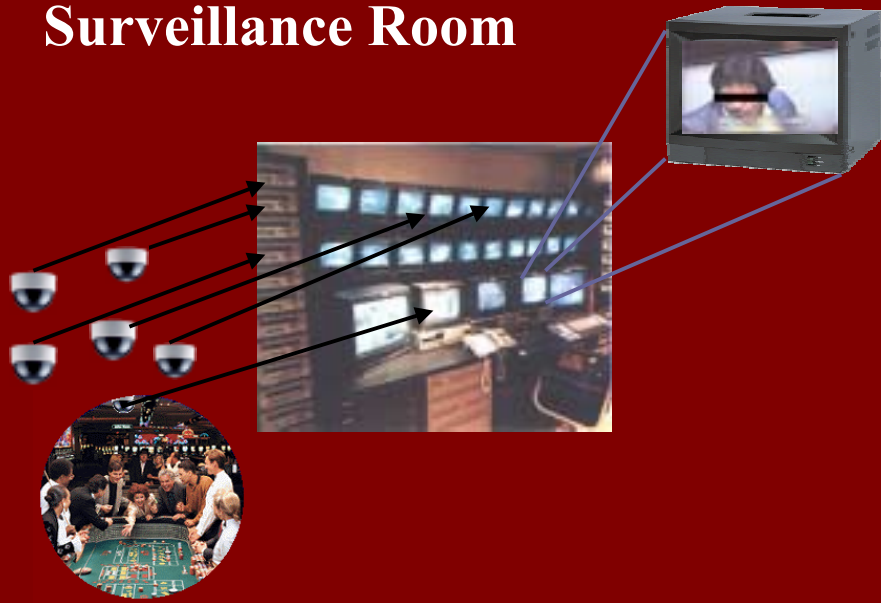
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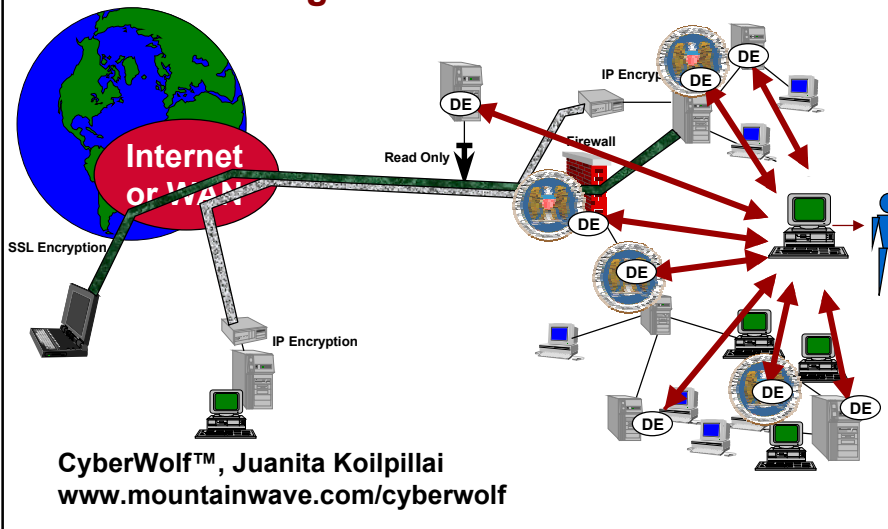


# Surveillance Room



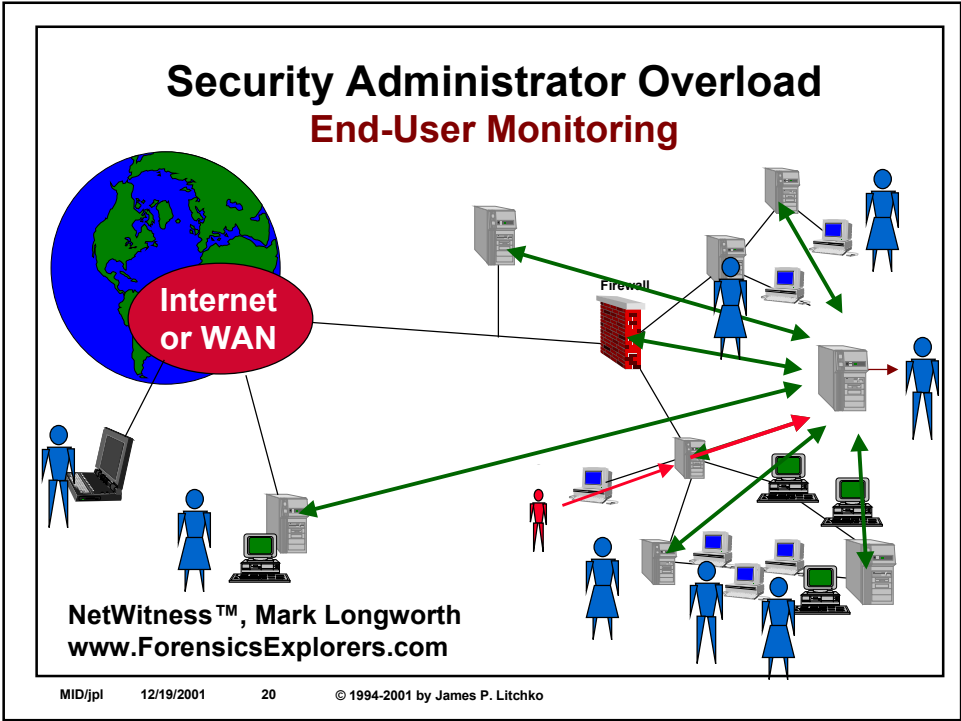
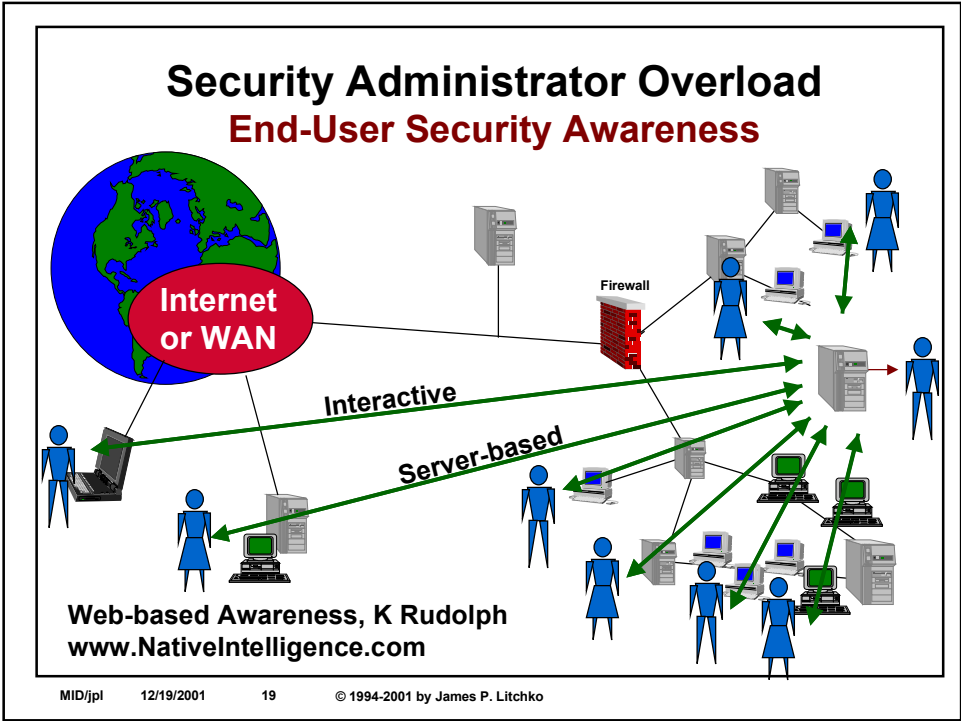
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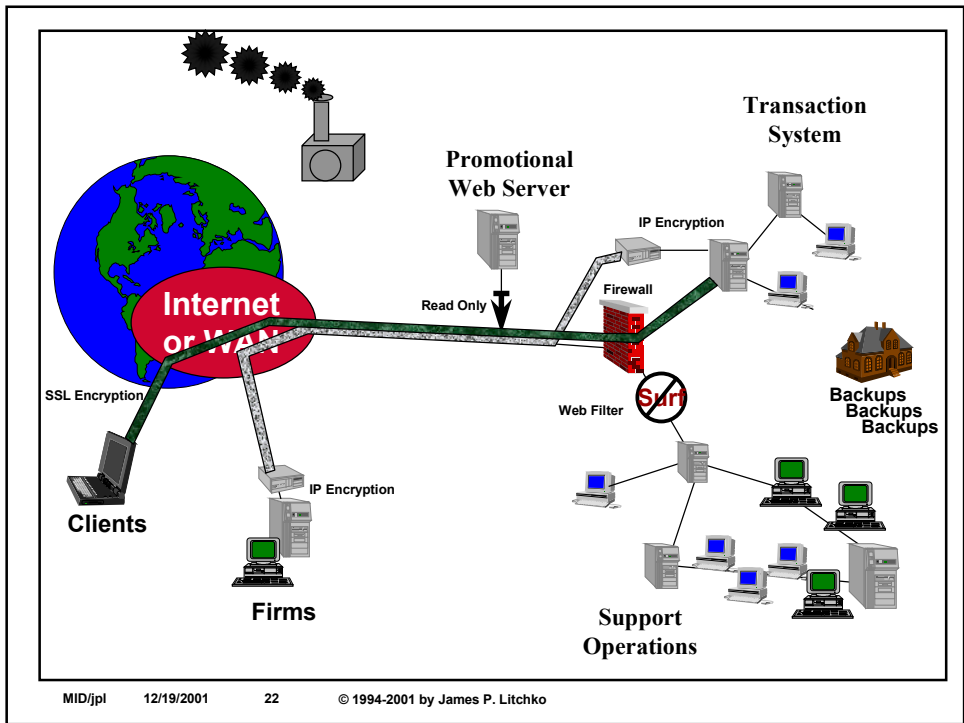
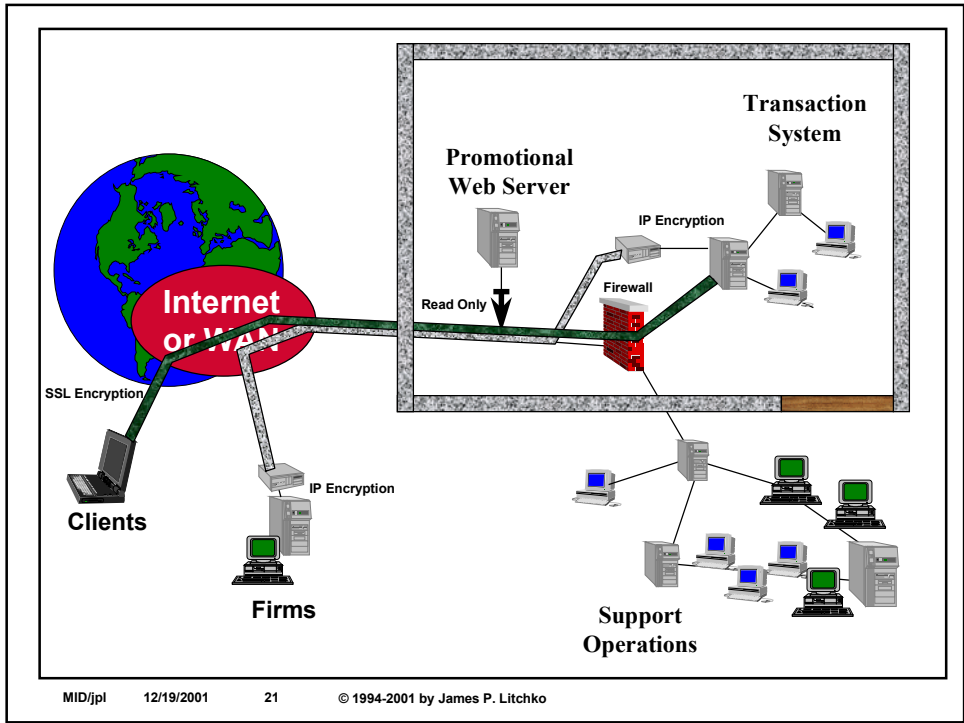
# Security Administrator Overload Log and Alert Reviews



CyberWolf™, Juanita Koilpillai  
[www.mountainwave.com/cyberwolf](http://www.mountainwave.com/cyberwolf)

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# Summary

- **Business-based Security**
- **Keep solutions minimal and practical**
- **Common sense over Technical**
- **Technical where affordable**
- **Automate the routine and expertise**
  - Where you can.
- **Backups**

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## Jim Litchko's Bio:

Jim Litchko is a senior information systems security specialist with over twenty-five years experience assessing and developing information system security (INFOSEC) and Information Assurance solutions for computer and network systems. He has held senior executive positions for special projects and business development at the two largest commercial INFOSEC companies, Secure Computing Corporation and Trusted Information Systems and the enterprise integrator, Telos, all internationally known for advance INFOSEC research and development, consulting, and network security products. During his twenty-year career as a Navy cryptologist, Mr. Litchko spent his first six years supporting operations on naval combatants and air reconnaissance platforms in the Atlantic, Pacific, and European theaters. Mr. Litchko's last five years in the Navy were in staff and technical positions in the National Security Agencies (NSA) INFOSEC Directorate and the National Computer Security center (NCSC). His last position was Staff Chief for the Director of the NCSC. Since 1988, he has been an instructor for systems and network security for Johns Hopkins University, MIS Training Institute and the National Cryptologic School. He has also given INFOSEC presentations to Congressional staffs, Gartner Group, Conference Board, Price Waterhouse, Exxon, Freddie Mac, National Industrial Security Association, Computer Security Institute (CSI), National Computer Security Association (NCSA), Defense Intelligence University, and Armed Forces Communications and Electronic Association (AFCEA). Mr. Litchko has chaired panels and provided INFOSEC keynotes at national, international, and executive conferences. Recently, designated a "professional speaker" by the National Speakers' Association, the other NSA. He holds a Masters degree in Information Systems from John Hopkins University and a Bachelors degree in Industrial Technology from Ohio University. He is currently an independent systems and network security consultant.

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