

# It's Scary Out There!

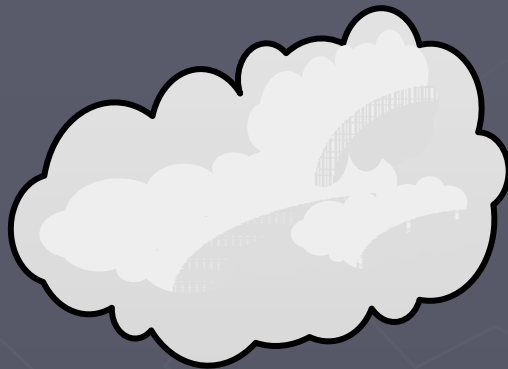
# Security Firewalls & Backups

Andrew Z. Adkins III  
Director, Legal Technology Institute  
Adjunct Professor, Law Practice Management  
University of Florida Levin College of Law  
Gainesville, Florida

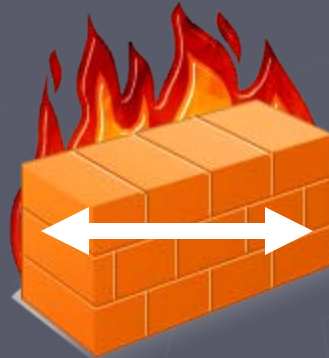
# Definition – Firewall

- ▶ “A firewall is a dedicated appliance, or software running on another computer, which inspects network traffic passing through it, and denies or permits passage based on a set of rules.”

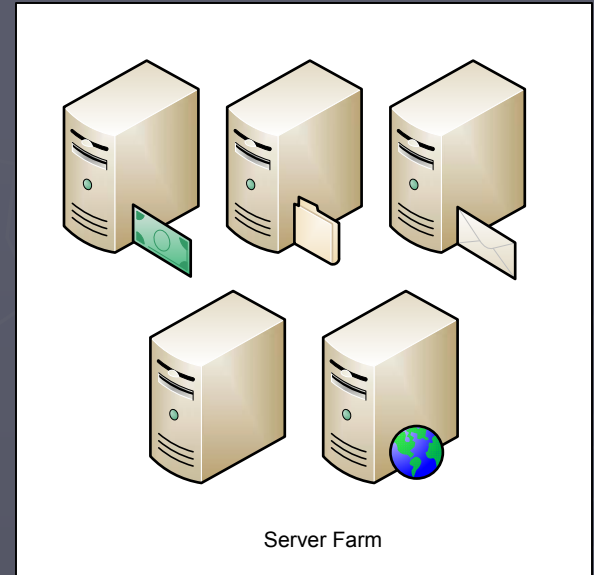
# Firewall



Zone of “no” trust



Perimeter Network  
Or  
Demilitarized Zone



Zone of “high” trust

*The Firewall sits between the Internet and your Network*

# What a Firewall Does

- ▶ Protect against unauthenticated interactive logins from the outside world.
  - Prevents hackers from logging into your network
  - Provides auditing & logging functions to help you “trace” hacks
  - With “rules” you can deny certain types of attachments, such as “exe” files

# Do You Need a Firewall?

IP Addresses

IP Spoofing

Packets

Denial of Service

T-1

Cable

Routers

TCP/IP

Switches

DSL

**YES!**

Do you access the Internet?

Do you have email?

# Types of Firewalls

- ▶ Hardware Firewalls (\$200 - \$2,500)
  - WatchGuard Firebox
  - Linksys EtherFast Cable/DSL Router
  - Cisco PIX 500
- ▶ Software Firewalls (Free - \$60/user)
  - ZoneAlarm
  - Norton Internet Security 2008

# Additional Thoughts

- ▶ A Firewall is only part of your overall security
- ▶ Do you change passwords on a regular basis?
- ▶ Do you use “strong” passwords?
- ▶ Do you have a firm policy about data on thumb drives?
- ▶ Do you have backups of your firm and client data?
- ▶ Do you have a policy in place when an employee leaves?
- ▶ Do you have updated virus protection?

# Thank You!

**Andrew Z. Adkins III**

Director, Legal Technology Institute

Adjunct Professor, Law Practice Management

University of Florida Levin College of Law

P. O. Box 117644

Gainesville, Florida 32611-7644

[adkins@law.ufl.edu](mailto:adkins@law.ufl.edu)

[www.law.ufl.edu/lti](http://www.law.ufl.edu/lti)