Optimum Networking

Business-Driven IT Solutions Since 1995

Protect your Organization, Staff and Members from Cyber Threats

February 20th, 2019

This is how you might feel now….

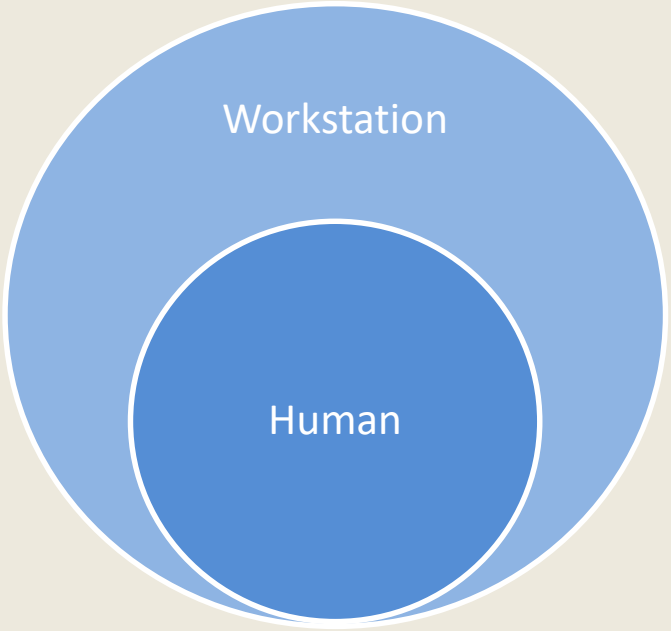
This is how you should feel….

Human Layer

- Security Awareness
  - Build a Human Firewall
  - Continuous Training

Workstation Layer

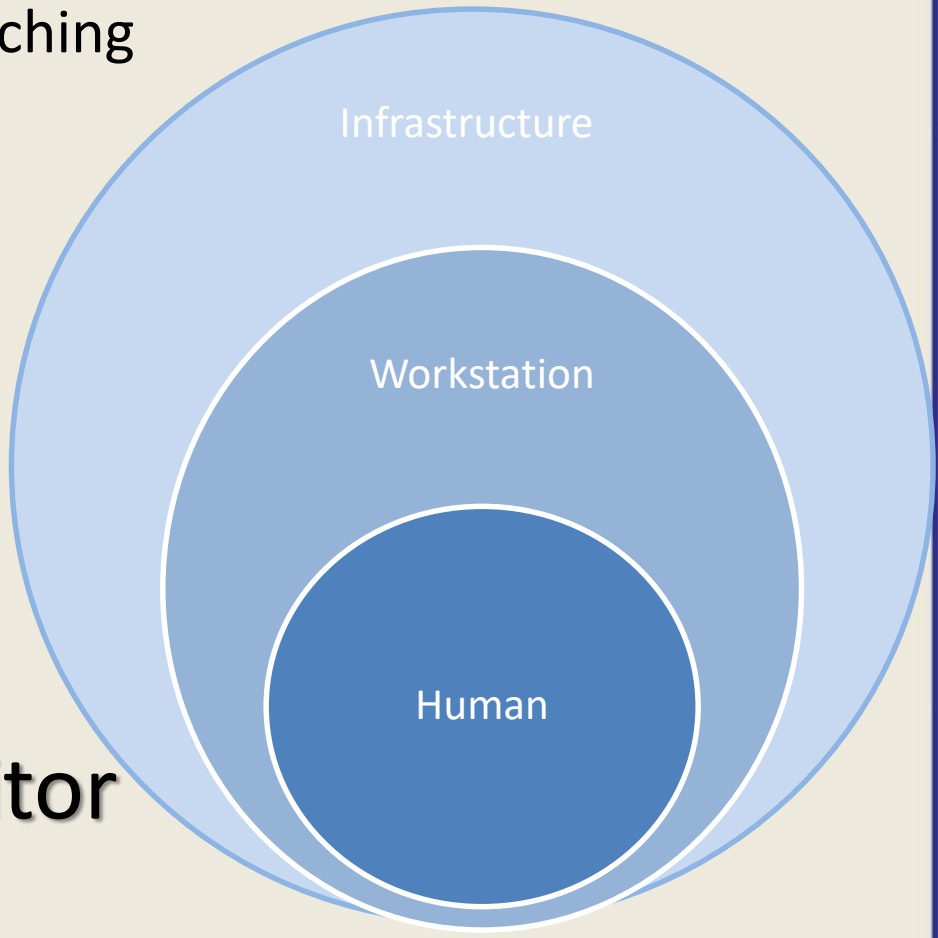
- Antivirus / Anti-malware with auto updates
- Windows Patching
- Software Updates (Adobe, Java,etc.)
- User Strong Passwords
- Hard Disk Encryption



Server Infrastructure (On-Premise or Cloud)

Server and Network

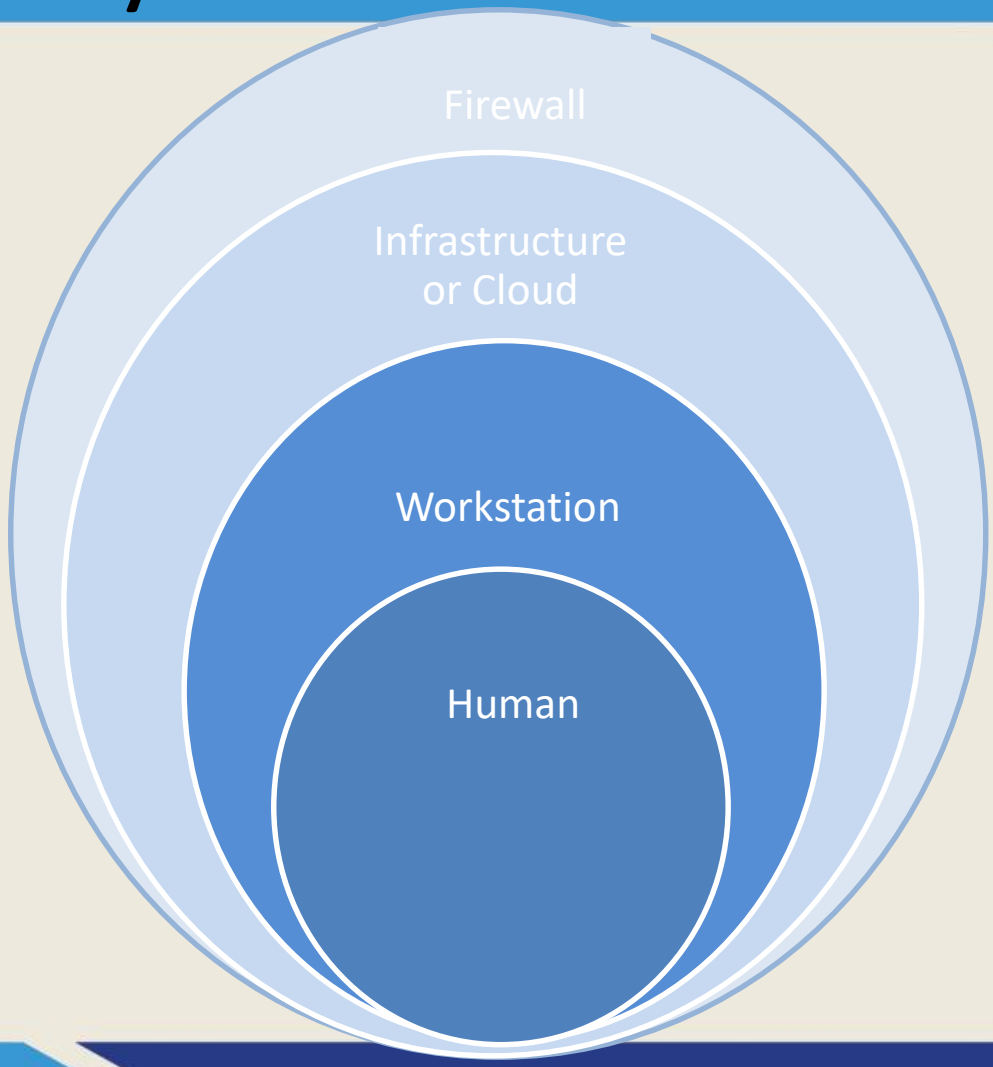
- Server Windows updates and patching
- Domain policies
  - Lockout polices
  - Complex password rules
  - Password history requirements
  - Access Controls
- Separation of privileged accounts
- Active Monitoring
  - Health
  - Performance



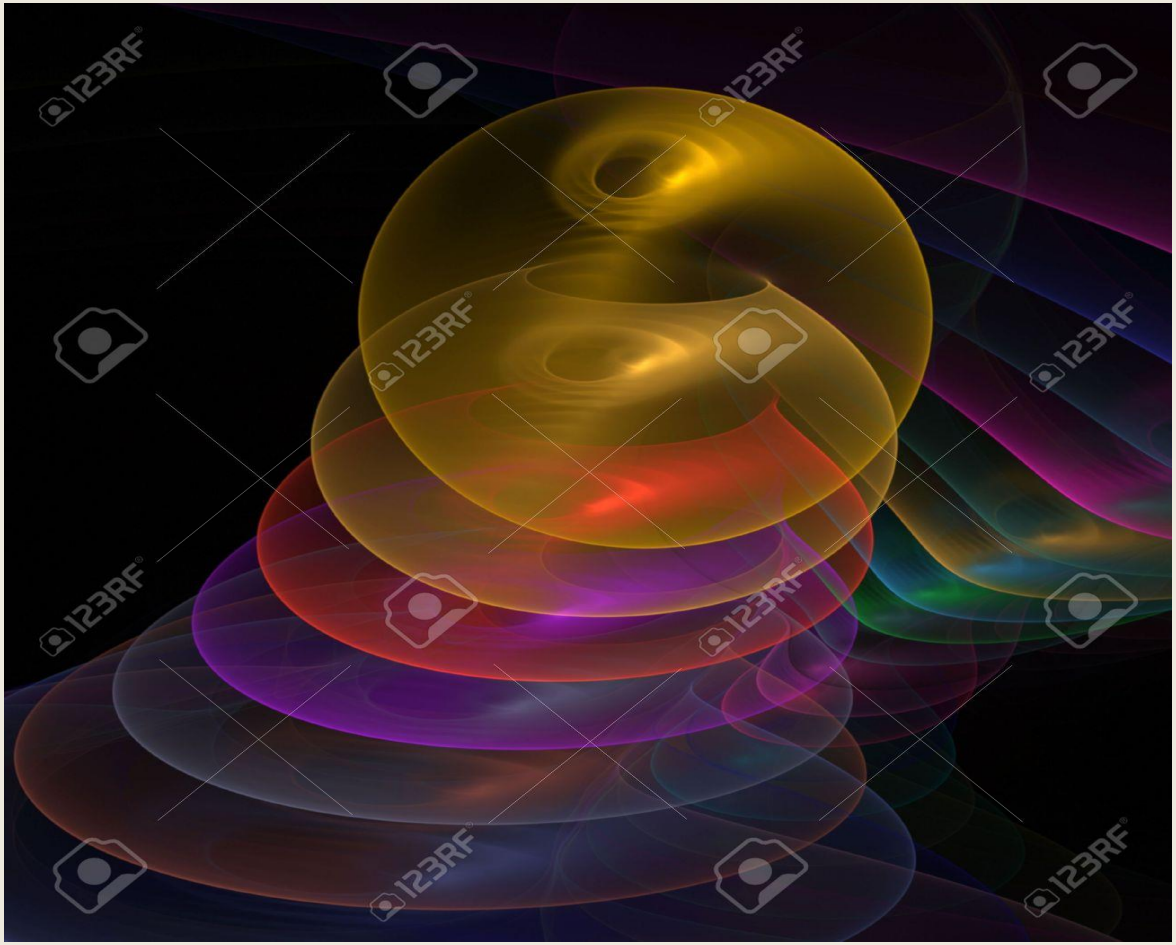
Assess > Protect > Monitor

Firewall Layer

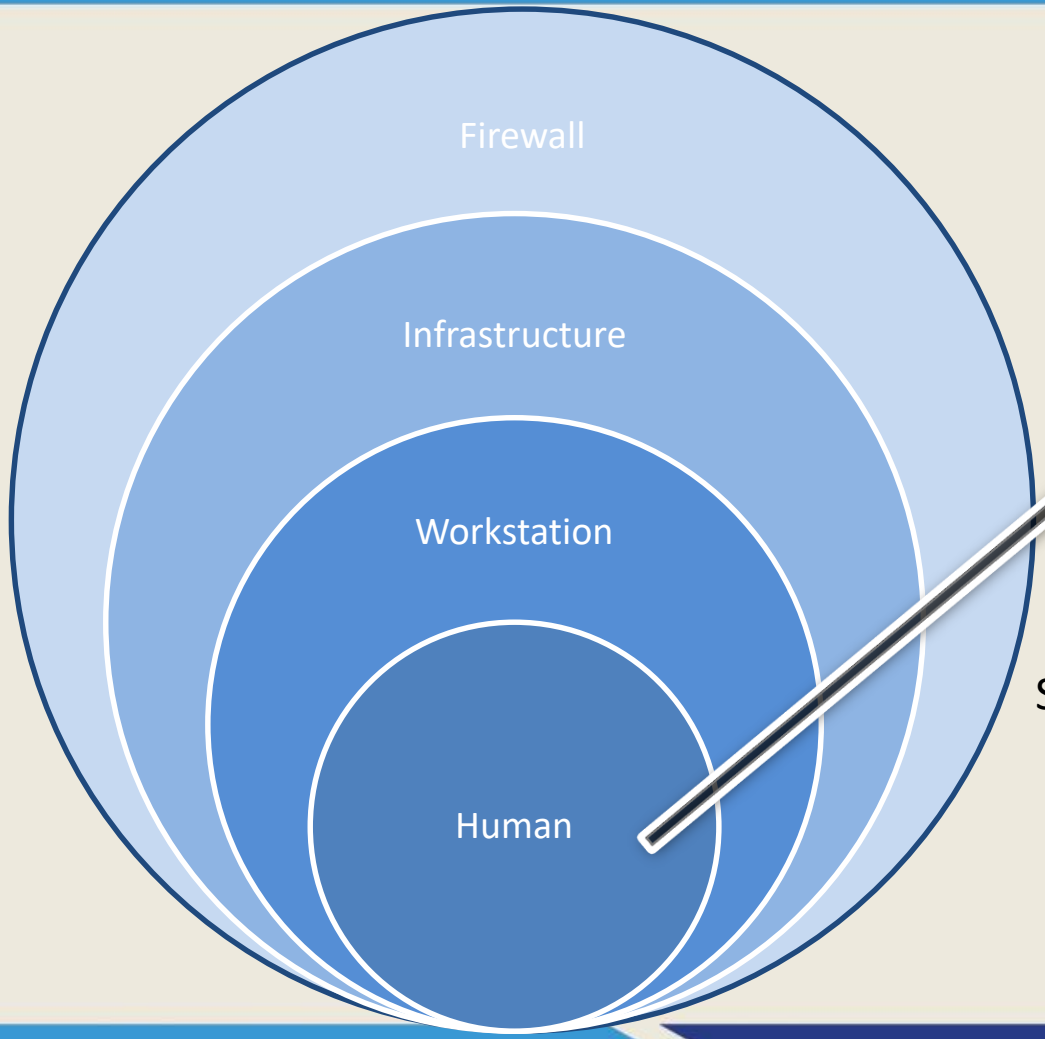
- Next Generation
  - Geographic IP Blocking
  - Inbound/Outbound polices
  - Intrusion Detection / Intrusion Prevention
  - Anti-Malware / Anti-Spam / Anti-Virus
- Continuous Updates
- Separated from public internet
- Penetration Testing



Put the layers together…



IT Policies



DATA/SYSTEM BACKUPS

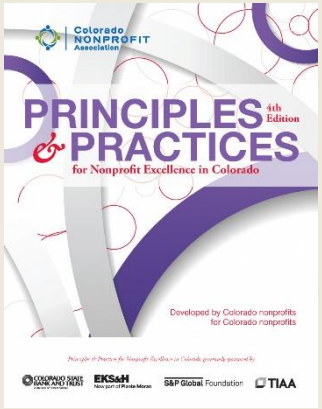
Security and Risk Review

Data Backups

- Cloud based protection
- File / folder level backups
- Retention / Archive
- Disaster Recovery / Business Continuity
- Recover from Ransomware

Policy Recommendation

A nonprofit should gather and manage information in a manner that values and ensures ***security, sensitivity, confidentiality, safety, accuracy, integrity, reliability, cost-effectiveness, and legal compliance***. A nonprofit should invest in ***appropriate technology*** to enhance organizational capacity and thereby improve its ***efficiency, effectiveness, and accuracy in achieving its mission***.



Ref: Principles & Practices for Nonprofit Excellence in Colorado 4th Edition

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Concluding Statement

Summary of Things you can do on your own:

A Understand and assess how technology drives your business and the type of data and how/where it is stored.

B Implement Password Management

C Enable patching and deploy anti-malware/virus

Summary of things you should work on with your IT professional

A Risk and Security Posture Review

B IT Policy Development

C Security Awareness Training

D Proactive maintenance, monitoring and alerting

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Questions and Drawing