

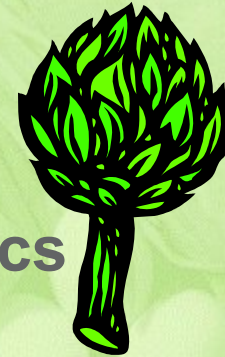


The Artichoke vs. The Egg Security Challenges for a NPO

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of Santa Clara and San Mateo Counties**

What we will discuss today

- **What is different about providing security in the NPO environment?**
- **Physical and Network Security Basics**
- **The Artichoke vs. The Egg**



What we will not discuss today

- **Advanced IP Security**
 - Hacking through SSH
 - White Hats and Black Hats
 - Got root?
- **Advanced GPO editing**
 - 'locking down the domain'
- **The math behind subnet masking**



Generally Speaking...

➤ What is different about providing security in the NPO environment?

- ✓ The protection of Intellectual property is not a priority
- ✓ IT resources are more functionally generalized
- ✓ More difficult to get alignment with strategic goals
- ✓ Staff/Departments have different needs

Volunteer access

- ✓ The priorities are different about what information security means

Physical Security Basics

Clean Power

Temperature

Braced or Bolted Racking

Secure / Double Entry System

Cameras – Alert System

Sprinkler Heads

Network Security Basics

Network Perimeter Security

Firewalls, DMZ, PEP

Port Access

VPN – Mobile

Group Policy

The Challenges

Strategic - Rigid

- Strong IT Resources
- Involved Management Direction
- Textbook IT Management

Strategic - Flexible

- Moderate IT Resources
- Involved Management Direction
- Flexible IT Management

- Moderate IT Resources
- Some Management Direction
- Textbook IT Management

- Few IT Resources
- Little Management Direction
- Fire-Hose IT Management

Non-Strategic - Rigid

Non-Strategic - Flexible

The Artichoke vs. The Egg

The Egg Model

- **Traditional perimeter based security model**
- **Priority is Accountability, Authentication, and Control**
- **Once you crack the egg, you have access to everything!**
- **Focuses on protection**
 - ✓ **Intellectual Property**
 - ✓ **Infrastructure**
 - ✓ **Cost**



The Artichoke vs. The Egg

The Artichoke Model

- Flexible Model
- Priority is on controlling access to strategically agreed upon areas of information 'sensitivities'
- Focuses on access
 - ✓ IT resources
 - ✓ Infrastructure
 - ✓ Outcome Effectiveness
- ✓ Layered approach



The Artichoke vs. The Egg

Game Plan

- **Identify systems that contain sensitive information**
 - Databases, file systems, email, web-servers, etc..
- **Create policies that allow for access and flexibility, while protecting sensitive systems**
 - SHFB examples
 - Hierarchical file system
 - Separate authentication policies for data systems
 - Control the data – not the humans!
- **Promote culture of high-availability and openness**

The Artichoke vs. The Egg

Questions?

A large, semi-transparent green rectangular area containing a variety of fresh vegetables. The vegetables are arranged in a somewhat chaotic but appealing manner, including several red and yellow tomatoes, green cucumbers, a red bell pepper, white onions, and mushrooms. The background of the entire slide is a vibrant green with a subtle pattern of various vegetables, creating a fresh and healthy aesthetic.

Contact Information

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