On Tuesday, August 23rd at 1:51 PM...

— A magnitude 5.8 (Mw) earthquake occurred at 1:51 pm EDT (17:51 UTC) on August 23, 2011, at a depth of about 3.7 miles (6 kilometers) beneath the town of Mineral, Virginia, located approximately 27 miles (45 km) east of Charlottesville. The event is among the largest earthquakes recorded in the eastern United States.

The Changing Landscape of Cyber-Security
Changing the Landscape of Cyber-Security...
Mobile Devices and Social Networking –
Cloud Computing ...
Changing the Cyber-Security Landscape
Changing the Cyber-Security Landscape...
Advanced Persistent Threat

Internet Malware Infections
- Drive-by Downloads
- Email Attachments
- File sharing
- Pirated software & keygen
- Spear Phishing
- DNS & Routing Mods

Physical Malware Infections
- Infected USB memory sticks
- Infected CD’s and DVD’s
- Infected memory cards
- Infected appliances
- Backdoored IT equipment

External Exploitation
- Professional Hacking
- Mass vulnerability exploits
- Co-location Host Exploitation
- Cloud provider penetration
- Rogue WiFi penetration
- Smartphone Bridging
Changing the Cyber-Security Landscape...
Identity Theft
“Houston, We have a problem!”
So we turn to tools and technology to solve problems.
Result: High Performance and Smooth Sailing
The Cyber-Security Landscape is changing – ICAM stage 1 stovepipes
Centralized Entitlement and Access Management with Delegated Administration

User Identity

Authentication

Credential

Authorization

User Account

Centralized Entitlement and Access Management with Delegated Administration

Privileges

Application Application Application Application Application Application Application Application Application Application Application
Security Management

Confidentiality

DATA

Integrity
Availability

Risk Assignment
Risk Ignore
Risk Mitigation
Accept Risk
Managing the Risk = Protecting the Data and Securing Access

We help you ensure the **right people** have the **right access** to the **right information** at the **right time**

You have to **Authenticate**
- People
- Services
- Devices

You have to **Authorize**
- Systems
- Applications
- Information use

You have to **Report**
- User/Service Activity
- Information Activity
- Privacy/Compliance
Where previous models relied upon verticalization and perimeter security, new models rely upon enterprise ICAM services, virtualization and abstraction.

New security model must be adaptive, contextual, identity-aware, and more modular than the traditional information security model.

Identity, Credential, and Access Management (ICAM) becomes the foundation of the new security model.
Success is being ready for the future … of ICAM