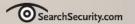


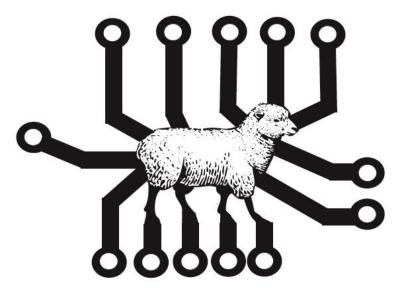
...and how to not go mental doing it.





Awards, Sheep, Geeks & Keynotes

Christofer Hoff grew up as a self-professed geek on a sheep farm in New Zealand.
While other kids were playing games and tending flocks in the nearby hills, Hoff was in school, learning what he could from the only two computers in the building.



http://sakura-graphic.com/new/elektric-sheep/



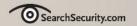


INFORMATION SECURITY DECISIONS

No







INFORMATION SECURITY DECISIONS

Yes



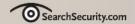


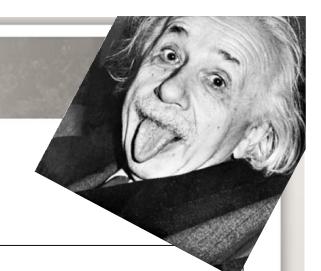




- Innovation & Disruptive Technology
- Can Security Be Strategically Innovative?
- Managing Risk and Aligning to the Business
- Achieving Balance: Risk & Innovation





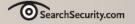


What is Innovation?

• Innovation:

- -noun
 - -the action or process of innovating.
 - -a new method, idea, product, etc.: technological innovations designed to save energy.
 - -change, alteration, revolution, upheaval, transformation, metamorphosis, breakthrough; new measures, new methods, modernization, novelty, newness; creativity, originality, ingenuity, inspiration, inventiveness
- People implementing new ideas to solve problems and create value





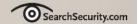
INFORMATION SECURITY DECY

7 Deadly Sins of Problem Solving

- Shortcutting.
- Blindspots.
- Not Invented Here (N.I.H.).
- Satisficing.
- Downgrading.
- Complicating.
- Stifling.

Matthew May - Mind of the Innovator: Taming the Traps of Traditional Thinking

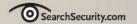






- A technological innovation, product, or service that eventually overturns the existing dominant technology or status quo product in the market.
- Few technologies are intrinsically disruptive or sustaining in character. It is the strategy or business model that the technology enables that creates the disruptive impact.
- Disruptive technologies are not always disruptive to customers, and often take a long time before they are significantly disruptive to the established/dominant technology.
- Can be radical or incremental in impact





Examples of Disruptive Technology



- Telephone-long distance
- Gasoline Automobiles
- Bookstores
- Music Stores/CD's
- Network television
- Film Photography

Desktops
Internet Telephony

Hybrid Vehicles
Amazon.com
iTunes & Starbucks
Satellite & Cable
Digital Imaging

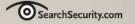




Can Security Be Strategically

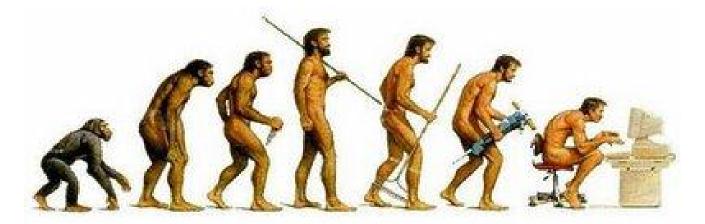
- People implementing new ideas to create value in alignment to the business
- Balancing the <u>risk</u> of providing services and sharing information
- Managing <u>risk</u> rationally & thinking about security in uncommon terms: information assurance, information survivability
- Focus holistically on infrastructure, architecture, business process, applications and information





The Theory of Punctuated Equilibrium

 Suggests that evolution amongst reproducing species takes place in rapid bursts, separated by long periods in which little change occurs...as opposed to uniformly and with the steady and gradual transformation of whole lineages



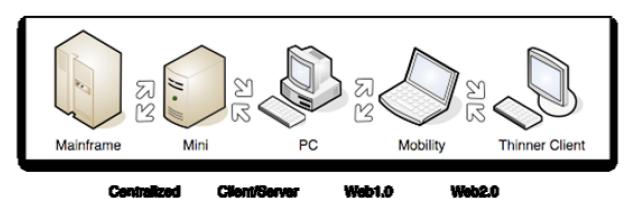
http://en.wikipedia.org/wiki/Punctuated_equilibrium





Mö Security Continuum

- Security Innovation manifests itself over time initially by means of solution diversity which settles out and ultimately yields conformity until it begins anew.
- "It's a classic damped oscillation, with big interesting swings in thinking that gradually settle down until everyone is saying the same thing." *



*Bob Warfield/SmoothSpan





Security Surveys: Random

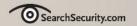


- Offer thin-sliced perspectives on the sampled population's thought process
- GIGO
- Winner of the "Most Abused for the Sake of Budget" award
- For trendspotting & forecasting, an excellent tool

Gartner's Top 10 Strategic

- Green IT
- Unified Communications
- Business Process Management
- Metadata Management
- Virtualization 2.0
- Mashups & Composite Applications
- Computing Fabric
- Real World Web
- Social Software





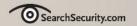
Gartner'

Top 10 Business Priorities

- •1. Business process improvement
- •2. Controlling enterprise-wide operating costs
- 3. Attract, retain and grow customer relationships
- 4. Improve effectiveness of enterprise work force
- •5. Revenue growth
- •6. Improving competitiveness
- •7. Using intelligence in products and services
- •8. Deploy new business capabilities to meet strategic goals
- •9. Enter new markets, new products or new services
- 10. Faster innovation

Source: Gartner EXP 2007





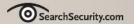
Gartner's 2007 CIO Priorities

Top 10 Technology Priorities

- 1. Business Intelligence applications
- 2. Enterprise applications (ERP, CRM and others)
- 3. Legacy application modernization
- 4. Networking, voice and data communications
- 5. Servers and storage technologies (virtualization)
- 6. Security technologies
- 7. Service-oriented architectures
- 8. Technical infrastructure management
- 9. Document management
- 10. Collaboration technologies

Source: Gartner EXP 2007









FOUNDATIONAL

?Ónion, Green Pepper, Celery, Roux

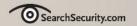
COMMODITIES

? Salt, pepper, cayenne pepper, paprika, turmeric, chili powder, thyme, garlic

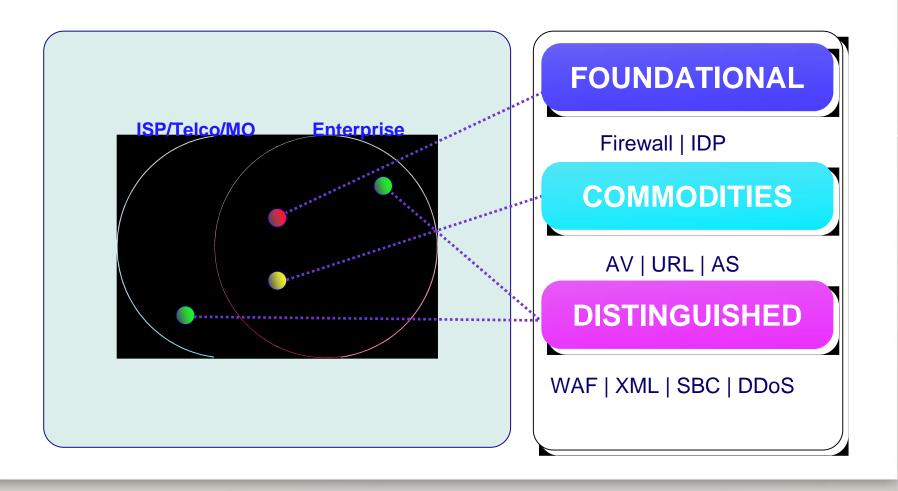
DISTINGUISHED

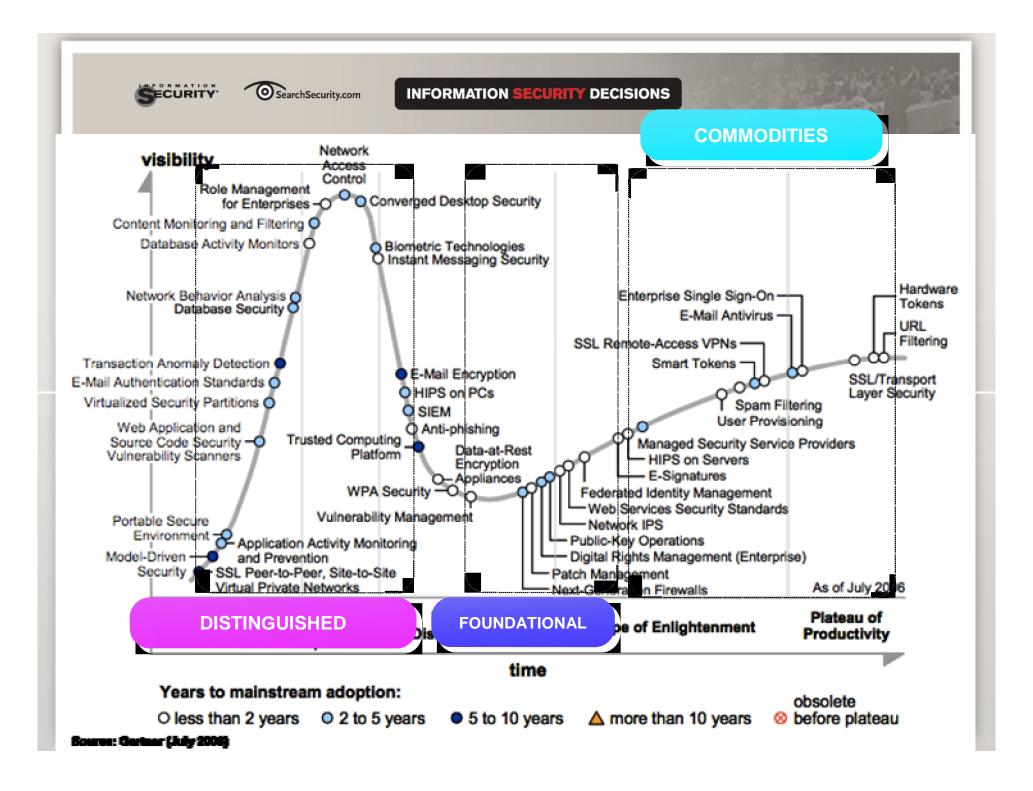
? Érawfish, Andouille sausage, file', Tasso, alligator, squirrel



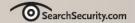


INFORMATION SECURITY DECISIONS











- Internal Security
- Technology Conformity
- Host-Deployed
 Software
- Server/Storage Sprawl
- Castle-Moat Paradigm
- Network/Host Focus
- Monolithic Data Centers

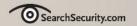
Outsourcing of Security Consumerization of IT Software as a Service

Virtualization
De/Re-Perimeterization
Information Centricity
Next Gen Distributed
Centers of Data



- How many of you outsource some element of your security?
 - IDP, Firewall, Anti-Spam, Message Archival, Vulnerability Management, Code Analysis?
- CyberInsurance?





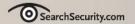
INFORMATION SECURITY DECISIONS

Consumerization of IT

- 8 Most Dangerous Consumer Technologies:
 - Instant messaging
 - Web mail
 - Portable storage devices
 - PDAs and smart phones
 - Camera phones
 - Skype and other consumer VoIP services
 - Downloadable widgets
 - Virtual worlds
- Remember WiFi? SmartPhones? The Internet?

Source: Computerworld







- cost-efficiency while balancing access and transferring risk...
- How many of you in your company use SaaS?
 Salesforce.com? Google Enterprise?
 Microsoft Live? WebEx?
- Widespread Security SaaS is coming...





Virtualization

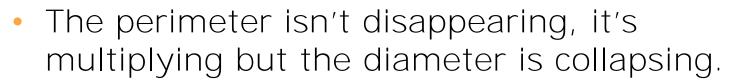


- Sets the stage for the next operating systems and platforms for next generation computing
- This doesn' provisioning, deployment, applications, data, storage, metadata, security...
- If you're security sucks now, you'll be comforted by the lack of change when you deploy virtualization!





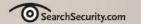
De/Re-Perimerization



- Managing swiss cheese that uses "defense in depth" as a crutch
- We need to drive vendors towards secure applications, OS's and protocols & developers to write secure code...







Information Centricity

- Focusing on the network or host is a losing proposition.
 - The network doesn't have context
 - You can't trust the host
- Must focus on information/content in context
- Organize around Information

Resilience

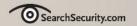






- A Datacenter today is somewhere servers go to consolidate and then die.
- A "Center of Data" is a point where information is processed, stored, secured, presented...
- The Next Generation will be a distributed utility component depot or platform for service
- Virtualization, Grid/Utility Computing, SaaS,

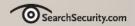




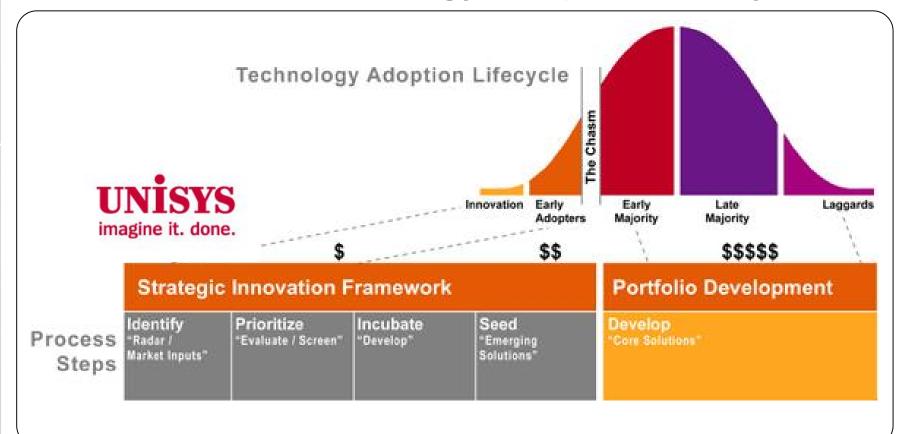
So How Can We Embrace

- Think different & manage risk instead of threats & vulnerabilities
- Manage a strategic security portfolio
- Seek diversity and provide a formulated taxonomy of investment
- Map to a formalized innovation lifecycle management process
- Measure
- Provide Transparency



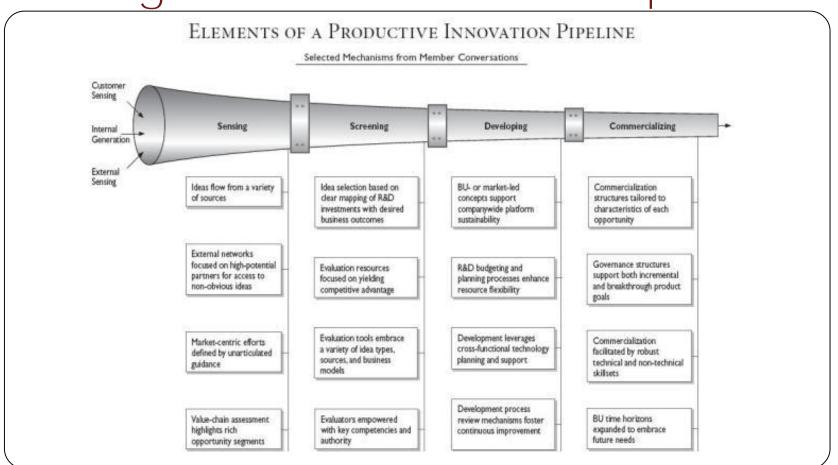


Understand Technology Adoption Lifecycle



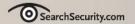
Source: Research & Technology Executive Council

Manage Your Innovation Pipeline

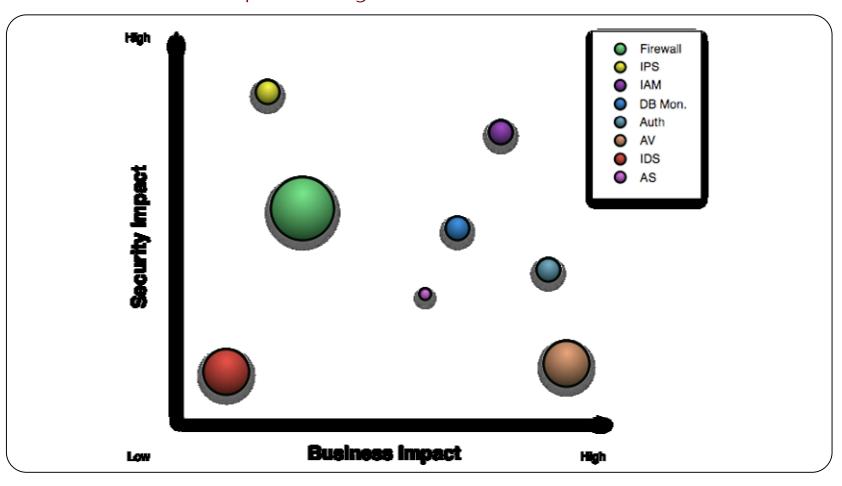


Source: Council research.





Provide Transparency In Portfolio Effectiveness

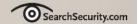




While the analogy is imperfect, security managers should be able to use the tools of unique and systematic management to create more-balanced security strategies

-Andy Jacquith







- Internal Security
- Technology Conformity
- Host-Deployed
 Software
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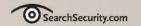


Marcus Ranum for President?

Will the future be more secure? It'll be just as insecure as it

to function. Just like it is today.





INFORMATION SECURITY DECISIONS

Thanks

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Christofer.Hoff@Unisys.com

http://rationalsecurity.typepad.com