



# (Effective?) Security Organization on a Budget

June 5, 2013 – Empire State Plaza, Albany, NY



**CYBER SECURITY**

NEW YORK STATE DIVISION OF HOMELAND SECURITY AND EMERGENCY SERVICES

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# Security Organization on a Budget

**Description:** Financial austerity has prevailed for quite some time now. Security programs that were relevant a while ago are becoming obsolete. Attrition has cost many security departments their experienced management, and, at best, security is now viewed as a “necessary obligation” and handled on an incident basis. The gains made to treat security aggressively as an advanced strategy are quickly slipping away.

This session will highlight how a competent security program can be established on a limited budget, while still enabling the organization to recognize and respond to security challenges successfully without compromising the demands of compliance and good business practices.

A good benchmark session for public and private security organizations of all sizes.



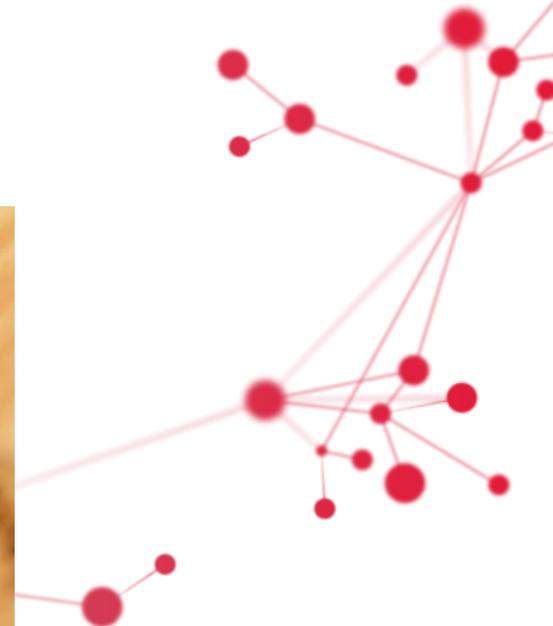
# Session Roadmap

- Security Budget Shrinkage
- What Can Be Managed
- Reducing Performance Risks
- Expanding Capacity for Free
- Budget Stretching Metrics
- Questions, Comments, Observations



# Security Budget Shrinkage

*How did we get here?*



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# ...the cheese moved...

## Five Reasons for Shrinking Security Budgets

1. Allocation of Less Money
2. Obsession with Immediate Payback
3. Management Problems
4. Misunderstood Security
5. Laws of Probability



# What Can Be Managed *What You Can Control*



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# Divide and Conquer

## What Can't Be Controlled

- Lease costs
- Accounting Factors
- Baseline Operations
- Broken Services/Support
- Compliance/Legal Issues



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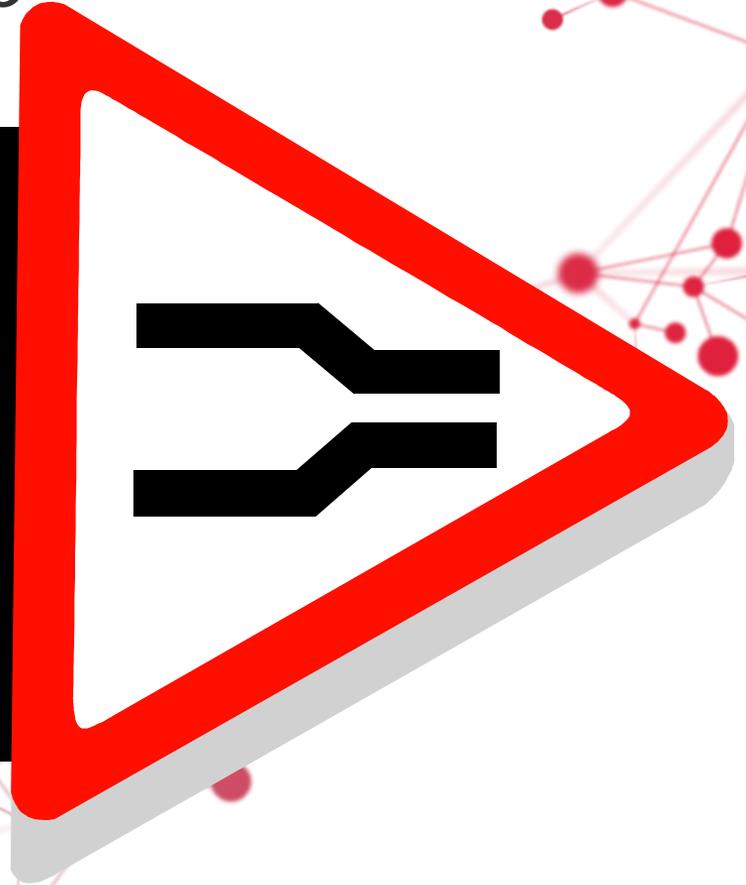
## What Can Be Controlled

- Staff Costs
- Research & Development
- Software Purchases
- Assumed Risks
- Infrastructure Footprint



# Reducing Performance Risks

*Sharp Focus & Narrow Profile*



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# Make it Harder for The Bad Guys

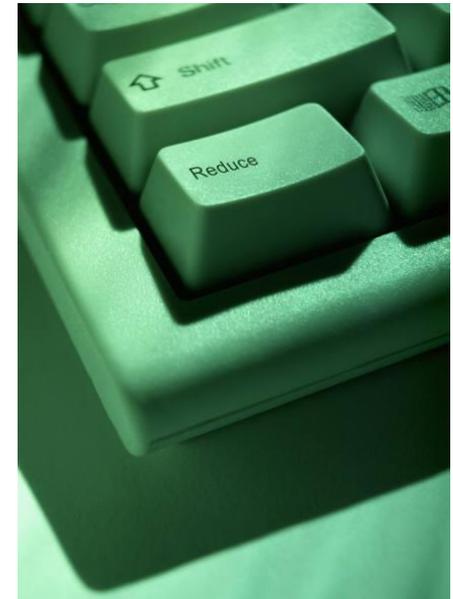
## Reduce the Threat Area

Data Domain Redesign and Renovation

Qualify Risk Populations

Jettison Custom Code

Fallback to Secured Cloud Services



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## Increase the Frequency of Change

Eliminate “Stale” Access Paths

Deploy New Technologies (Believe it or not!)



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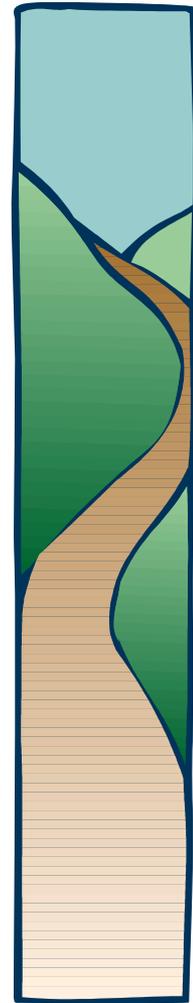
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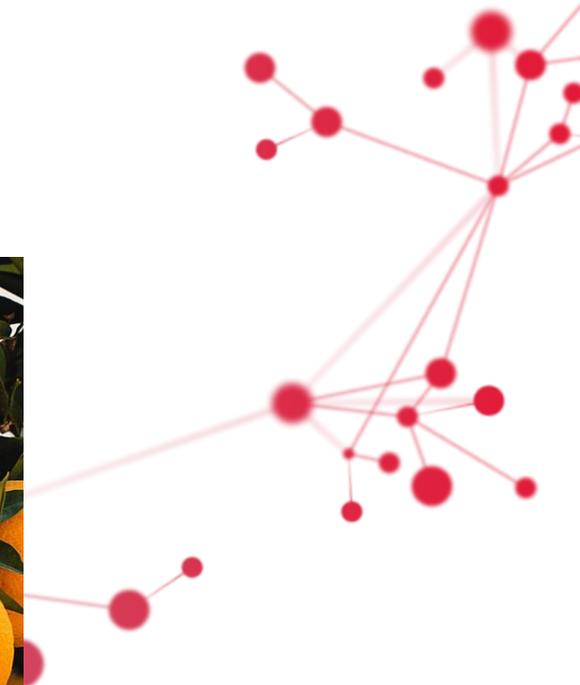
## Take Roads Less Travelled

- Be different from peers
- Mix technologies to unbalance scripters



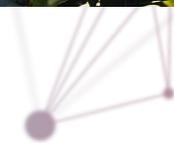
# Expanding Capacity for Free

## *Picking the Low-Hanging Fruit*



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# Expand Staff and Introduce Flexibility

Delegate outside the traditional Security Roles

Revise SDLC to include security checkpoints

Involve the Help Desk to Incident Management

Invite Executive Support in Risk Reduction



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Do More with the Same (or Less)

Hone Personal Performance Metrics

Rotate Daily Responsibilities

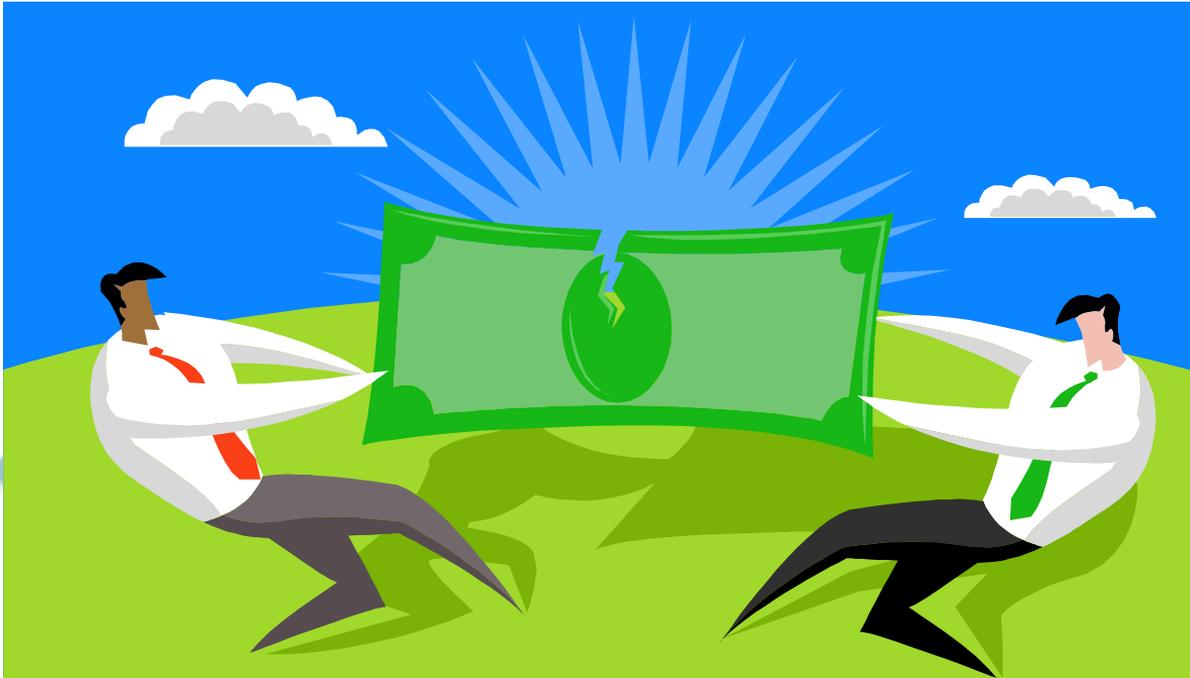
Schedule Projects Differently

Encourage Peer Communications



# Budget Stretching Metrics

*Better Performance Than It Appears*



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# Show 'em the “Good Stuff”

Up and To the Right

Revise Reporting Metrics

Communicate **Achievable** Goals



# Show 'em the “Good Stuff”

Up and To the Right

Revise Reporting Metrics

Communicate Achievable Goals

Abandon the Dark Side

Wins not Wags

You Should Really Get Out More

Friends in Low Places



# Questions, Comments, Observations

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The CGI logo consists of the letters 'CGI' in a bold, red, sans-serif font. The 'C' and 'G' are connected at the top, and the 'I' is a simple vertical bar.

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