Security Validity Triangle
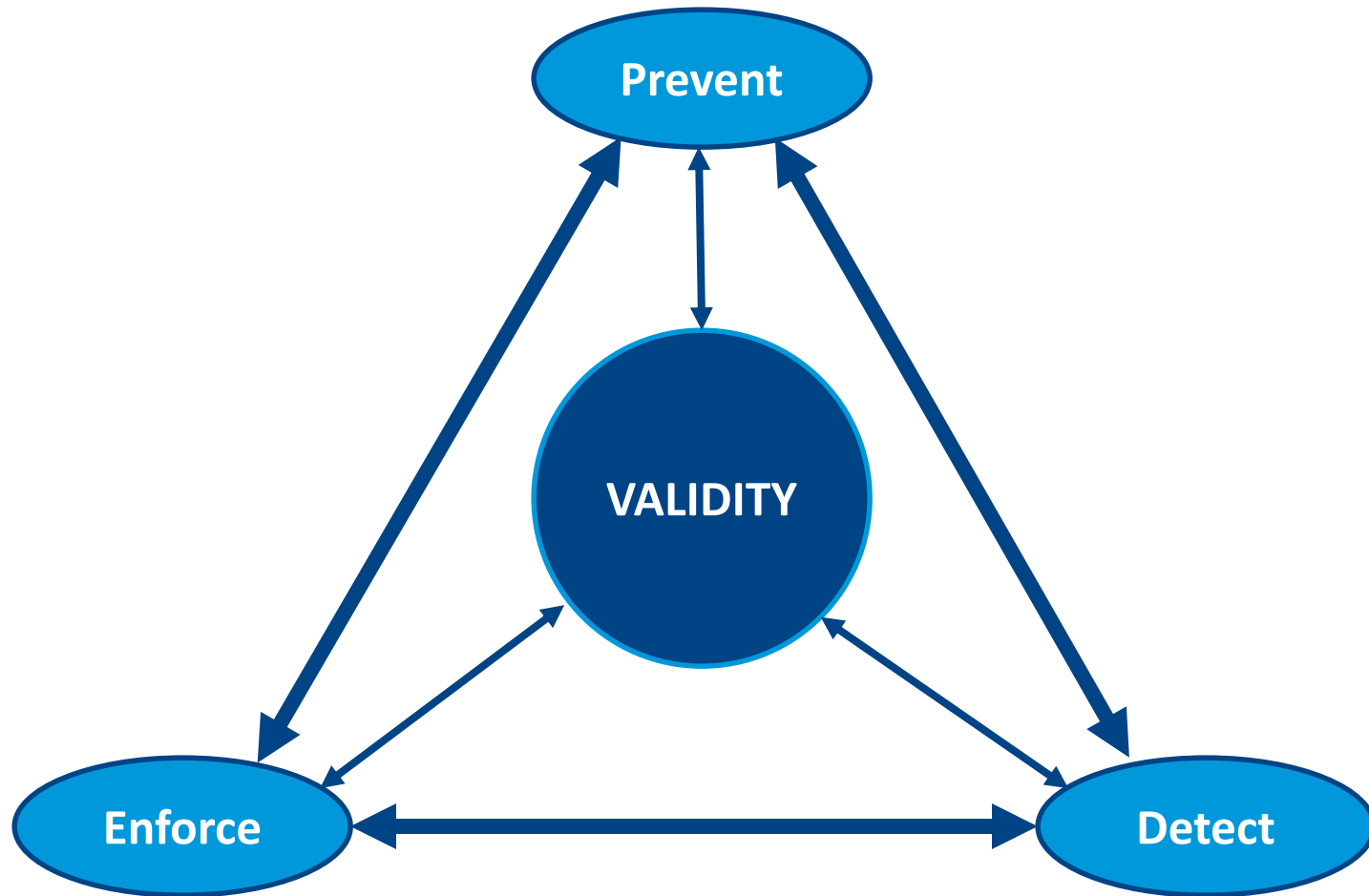
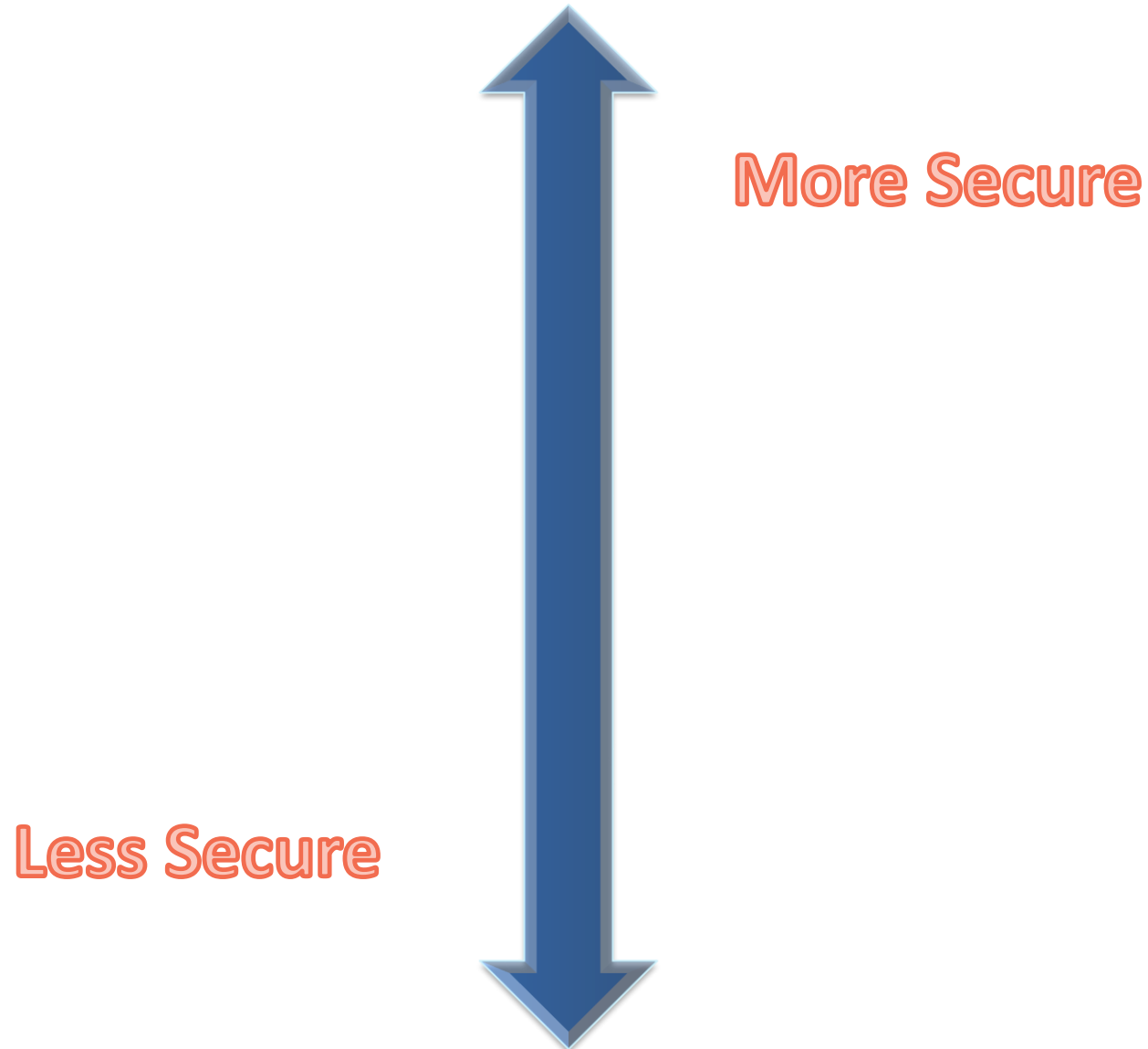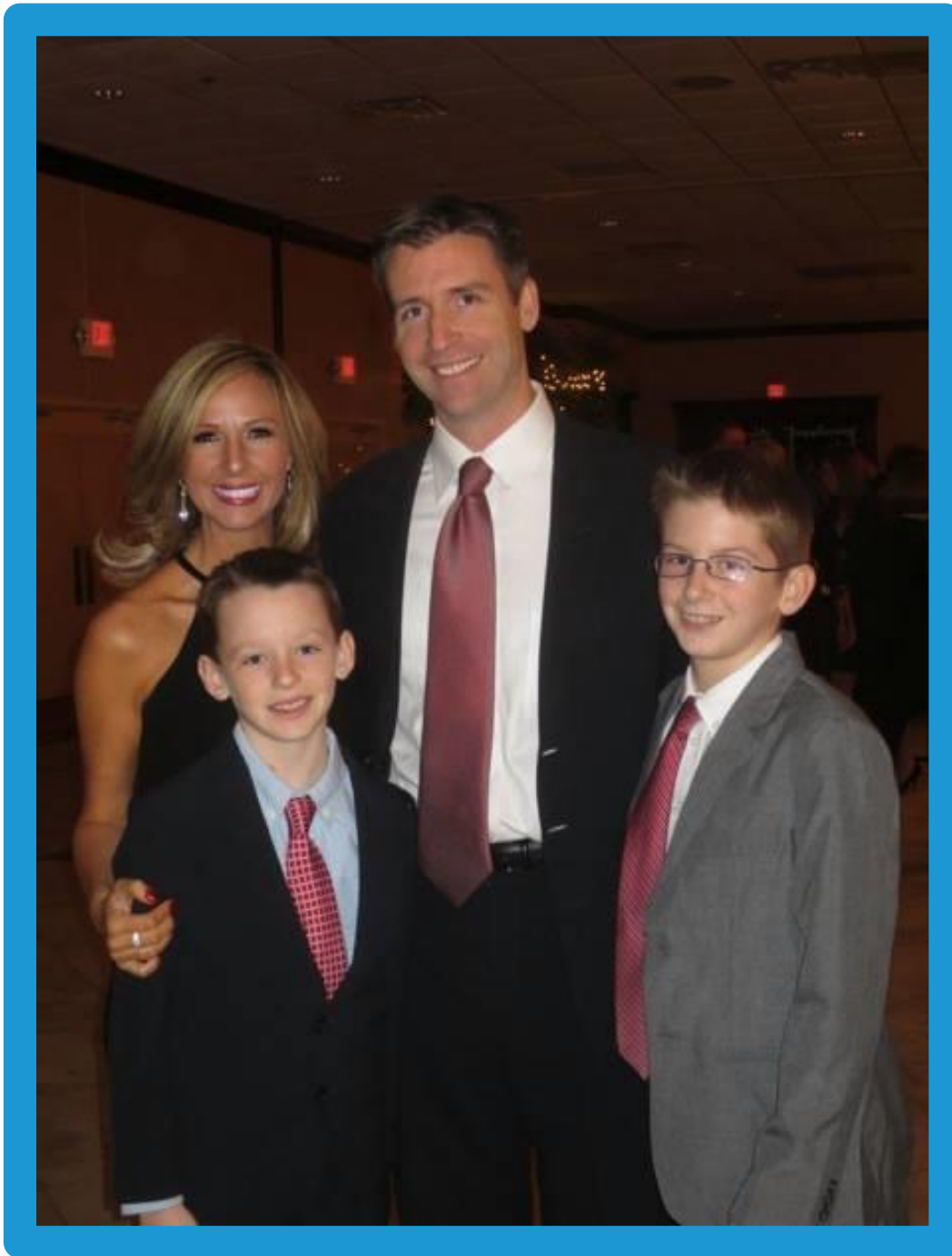# PREVENTING THREATS TO VALIDITY

"An ounce of prevention is worth a pound of cure"

- Benjamin Franklin

Security Continuum

More Secure

Less Secure

Alpine
Testing Solutions

Alpine
Testing Solutions

Security Continuum

More Secure

Less Secure

Alpine
Testing Solutions
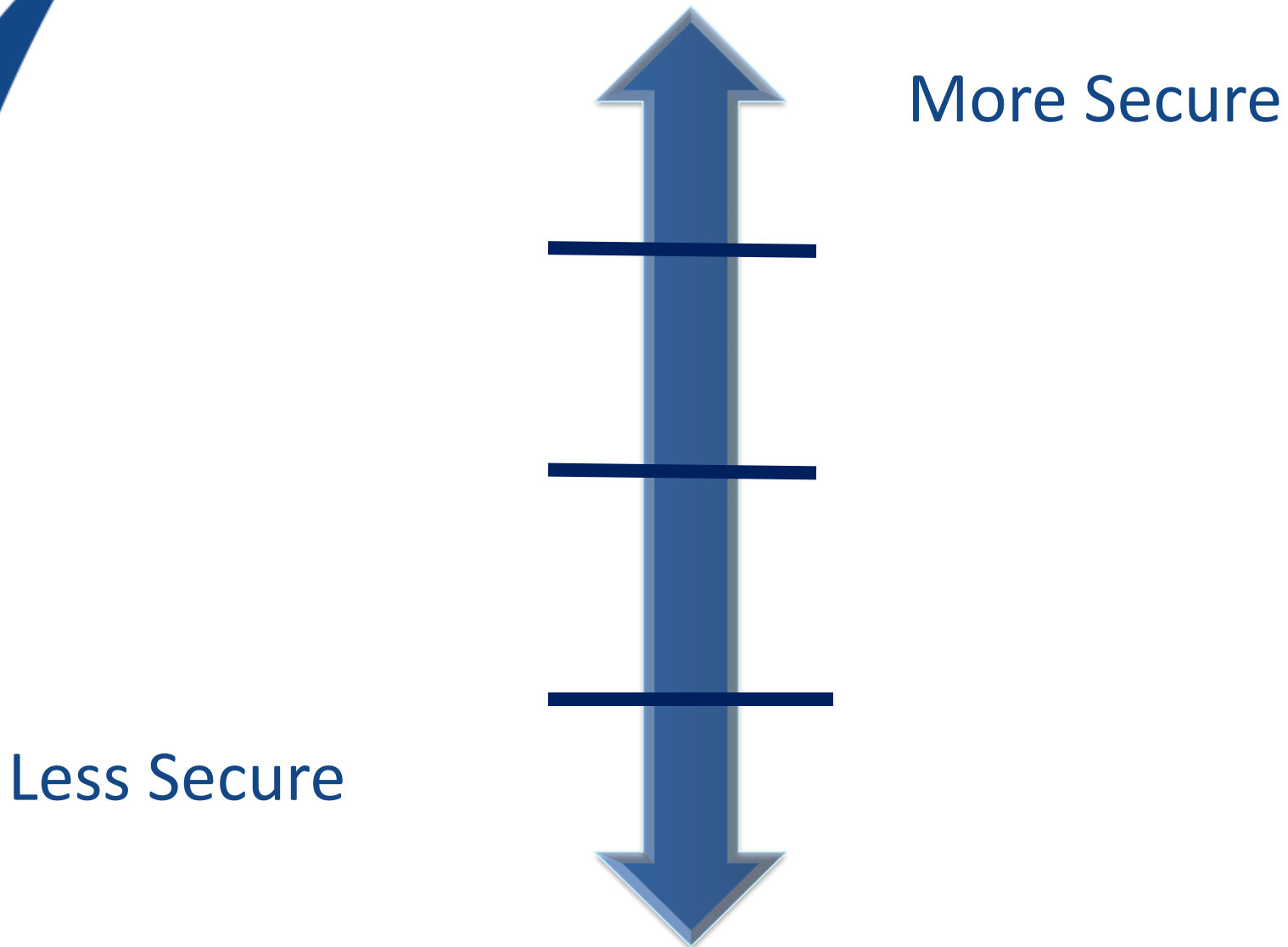
Best Practices in Prevention

Proactive Test Design

Policies and Procedures

Education

More Secure

Less Secure

Alpine
Testing Solutions

Education

- ➢ Website
  - Blogs
- ➢ Social Media
  - Your candidates are on there, the bad guys are on there – you need to be on there too.
- ➢ Marketing
  - Press Releases

Top browser window (Born To Learn):

https://borntolearn.mslearn.net/b/weblog/archive/2013/01/02/why-brain-dumps-are-bad

Southwest Airlines - Select Flig... | Yahoo | Welcome! | LinkedIn | Facebook | Why Brain Dumps Are Bad -... ×

File Edit View Favorites Tools Help

Google | Microsoft learning blog | Search | More »

JIll Burroughs

XtraMath - Student Report | 50 Questions to Get to Kn... | ADP | John Hancock USA - Acco... | Artsonia Parents Start Page | Easy Apps Online

Page ▼ Safety ▼ Tools ▼

Microsoft

Join | Sign in

Born To Learn Training and Certification Community

Home   Blogs   Forums   Study Groups   Success Stories

Bottom browser window (GMAT):

http://www.mba.com/us/the-gmat-blog-hub/the-official-gmat-blog/2011/nov/the-gmat-and-preventing-cheating.aspx

Southwest Airlines - Select Flig... | Yahoo | (3) Welcome! | LinkedIn | Facebook | The GMAT and Preventing ... ×

File Edit View Favorites Tools Help

Google | GMAC blog | Search | More »

JIll Burroughs

XtraMath - Student Report | 50 Questions to Get to Kn... | ADP | John Hancock USA - Acco... | Artsonia Parents Start Page | Easy Apps Online

Page ▼ Safety ▼ Tools ▼

The official website of the

GMAT®

UNITED STATES ∨   CONTACT US ›   LOGIN TO MY ACCOUNT ›   TAKE THE GMAT EXAM ›

THE GMAT® EXAM ∨ FIND & COMPARE SCHOOLS ∨ PLAN FOR BUSINESS SCHOOL ∨ BUY STUDY MATERIALS ∨

The GMAT Blog Hub › The Official GMAT Blog › The GMAT and Preventing Cheating

share   print   email

The GMAT and Preventing Cheating

Nov 8, 2011
Tags: Official GMAT, Test Security

GMAC is committed to ensuring that the security of the GMAT exam is protected and that the fairness of the exam as a tool for admissions is assured, no matter where in the world or when the exam is taken. We do this because we believe no individual test taker should lose an opportunity to earn a graduate management degree to someone else who took an unfair advantage or cheated on the exam.

We understand the value of a management education degree, whether it's an MBA or a specialized Masters Degree, and we know too how gaining this education can make a difference in a career and a life. GMAC's commitment to test takers is that we will continue to enhance measures to prevent and detect cheating on the

RECOMMENDED

Why Master in Management

Getting a Masters in Management offers students practical and technical skills as well as a wide range of job outcomes in the future.

100%

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2/5/2015

Exam Tricks

Jill Home

Math - Student Report 50 Questions to Get to Kn... ADP John Hancock USA - Acco... Artsonia Parents Start Page Easy Apps Online Page ▾ Safety ▾ Tools ▾

Home Notifications Messages # Discover

testkingworld

Tweet

Pass4Sure

Jill Home

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Testking
@TestkingWorld

Premium Provide
Exams Including
Cisco,Citrix,IBM,H
Terdata,SAP and

PEOPLE

Certification W

testkingworld.

Joined July 20

ACE Fitness Certification Study Center

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ACE Fitness Certification Study Center
Company

ACE
ACADEMY ELITE

Like + Follow Message

Timeline About Photos Likes Videos

PEOPLE ›

16,878 likes

Invite your friends to like this Page

Post Photo / Video

Write something on this Page...

Policies and Procedures

➢ Security Manual – Internal use
  - Limiting Access to your item bank
    ❖ Need to know
  - Data security parameters set by your IT department
  - Critical Incident Plan
  - Internal security training
➢ Candidate agreement
  - Presented to candidates before exam
  - Conduct policy and associated consequences
  - Confidentiality
  - Retake Policy
➢ Prerequisites for registration
  - Closed program

Proactive Test Design

➢ Program Design

- Risk Assessment
- Mitigation strategies throughout the life cycle
  - ➢ Limited delivery areas
  - ➢ Unique forms in high risk zones
  - ➢ Rapid Form Republication
  - ➢ Continuous refresh
  - ➢ Innovative Item Types
  - ➢ CAT – LOFT delivery
  - ➢ Biometrics at administration

Prevention on a budget…

Best Practices in Prevention

F5 Certified!™ Professional Certification

KJ (Ken) Salchow, Jr.

Sr. Program Manager

F5 Certified!™ Overview

- Technology Certification

- First Exam published Oct. 2012;

- ~2000 Certified Candidates with >3000 Certifications (Feb 2015);

- Candidates in 74 countries;

- Deliver ~600 exams per month (avg);

- 4 Team Members (+1 in process);

F5 Certified!™ Overview

F5 CERTIFIED! ARCHITECT (F5-CADA)	Application Delivery Architect			
F5 CERTIFIED! ENGINEER (F5-CADE)	Application Delivery Engineer			
F5 CERTIFIED! SOLUTION EXPERT (F5-CSE)	Security Solutions	Cloud Solutions	Enterprise Application Solutions	Future Solutions
F5 CERTIFIED! TECHNOLOGY SPECIALIST (F5-CTS)	BIG-IP LTM	BIG-IP GTM	BIG-IP ASM	BIG-IP APM	Future Technologies
F5 CERTIFIED! ADMINISTRATOR (F5-CA)	BIG-IP Administrator			Future Admins

Exam(s) in Production

Key Security Practices

- "Closed Program"
- Limited Exam Delivery
- Exam Center Security
- Stakeholder Investment

Closed Program

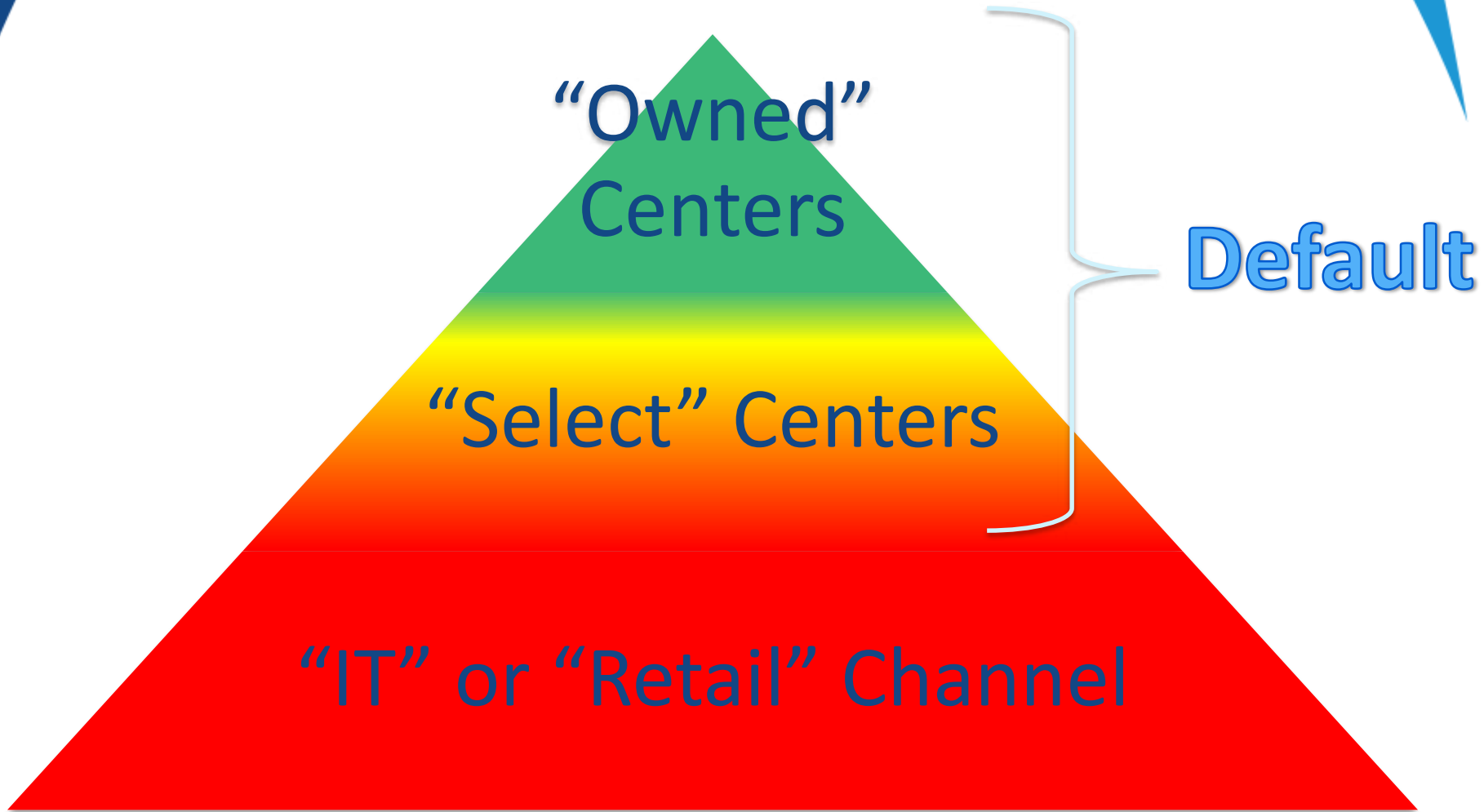**Registration**
- Create Account
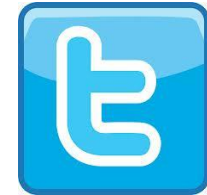- Accept CA/NDA

Validation
- Verify Unique Account

Eligibility
- Issue Exam Specific Eligibility

Limited Exam Delivery

"Owned" Centers

"Select" Centers

"IT" or "Retail" Channel

Default

Exam Center Security

Stakeholder Investment

- SME Recruitment
  - Internal & External
- Social Media
  - "Personal" Interaction
  - Community Developed Materials
  - "Social Pressure"
- Candidate "Council"

COMPTIA CERTIFICATIONS

Sara Rupp

Senior Director, Exam Services

CompTIA Overview

Best Practices

IT Fundamentals
CyberSecure

Professional

A+
Network+
Security+
CDIA+
Cloud+
CTT+
Linux+
Mobility+
Project+
Server+
Storage+

Mastery

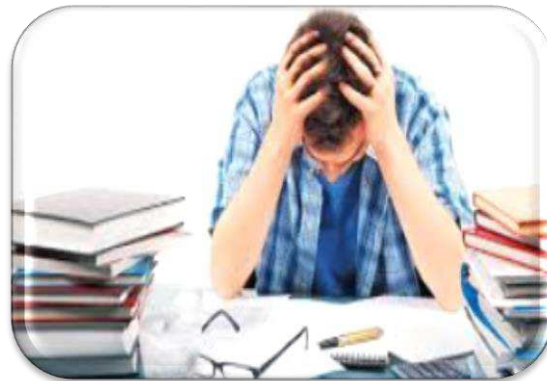CompTIA Advanced
Security Practitioner
(CASP)

Specialty

Cloud Essentials
Mobile App Security+
Healthcare IT

Alpine
Testing Solutions

Security Practices-Prevention

Education

Test development
Strategies

Policies and
Procedures

Education

- Candidate Agreements
- Notice on candidate documents/registration
- Website
- Articles

Certification Exam Policies

Candidate Agreement
Explains the rules and regulations regarding certification, including the retake policy, candidate conduct policy and the candidate appeals process.

Candidate Testing Policies
Includes accommodations during an exam, exam scoring, exam content and out of country testing policies.

Candidate ID Policy
Details the acceptable forms of identification candidates may bring to an exam.

Certification Retake Policy
Details the circumstances in which a candidate can retake a certification exam.

Exam Delivery Policies
Includes testing center suspensions, delivery exclusions and beta testing policies.

Continuing Education Policies
Covers certification renewal, candidate code of ethics and audit findings as related to the Continuing Education Program.

Unauthorized Training Materials and Third-Party Offers Policy
Lists unauthorized training materials related to CompTIA certifications.

- Ma... s.
- htt... /test inc...

Candidate Education

CompTIA Authorized Materials Use Policy

CompTIA Certifications, LLC is not affiliated with and does not authorize, endorse or condone utilizing any content provided by unauthorized third-party training sites, aka 'brain dumps'. Individuals who utilize such materials in preparation for any CompTIA examination will have their certifications revoked and be suspended from future testing in accordance with the CompTIA Candidate Agreement. In an effort to more clearly communicate CompTIA's exam policies on use of unauthorized study materials, CompTIA directs all certification candidates to the CompTIA Certification Exam Policies webpage:
http://certification.comptia.org/Training/testingcenters/policies.aspx

Please review all CompTIA policies before beginning the study process for any CompTIA exam. Candidates will be required to abide by the CompTIA Candidate Agreement (http://certification.comptia.org/Training/testingcenters/policies/agreement.aspx) at the time of exam delivery.

If a candidate has a question as to whether study materials are considered unauthorized (aka brain dumps), he/she should perform a search using CertGuard's engine, found here:
http://www.certguard.com/search.asp

Or verify against this list:
http://certification.comptia.org/Training/testingcenters/policies/unauthorized.aspx

Articles/Blogs

How I

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double eff

itcc

RECOGNIZING AND
PROTECTING THE VALUE OF

, software

My CompTIA SME Workshop Experience

I recently made the trip from Bangkok to Chicago to take part in a CompTIA Network+ Subject Mater Expert (SME) exam development workshop. The Network+ was one of the first industry certifications I had earned and it played a part in getting my career on the track it is today, so I was excited to have been invited to participate in the workshop
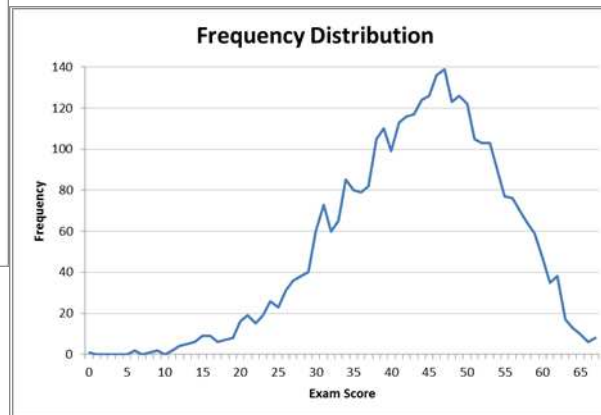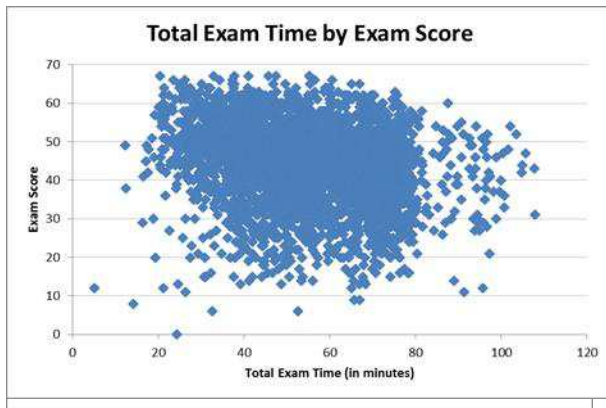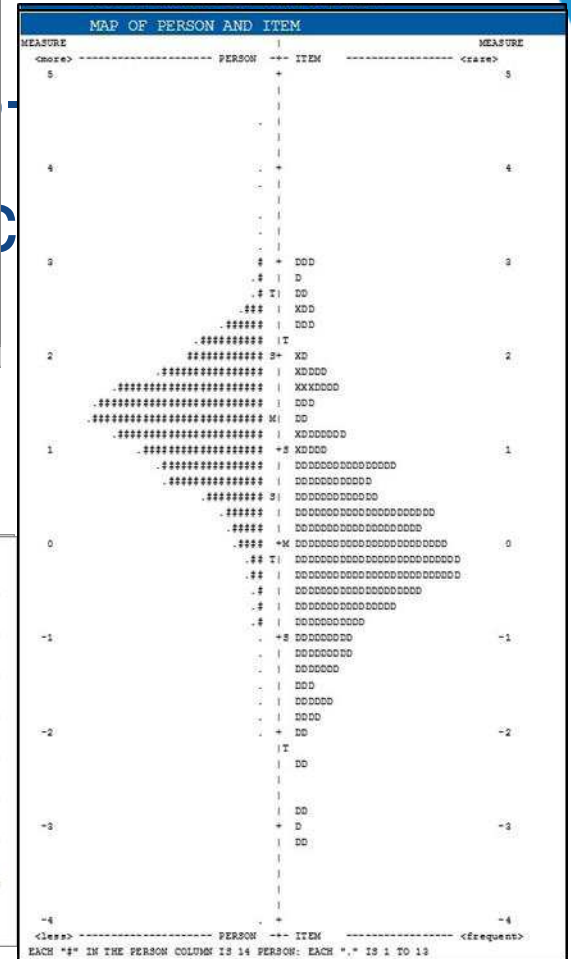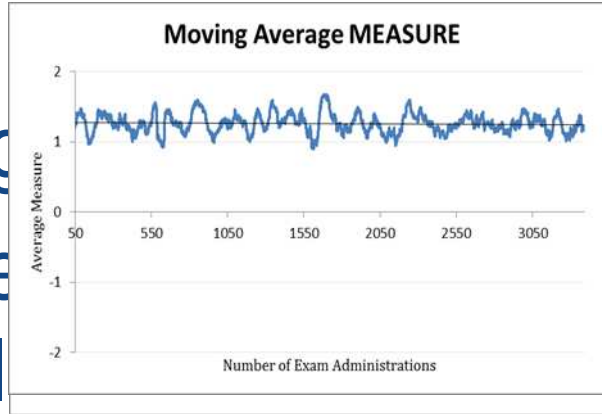
Alpine
Testing Solutions

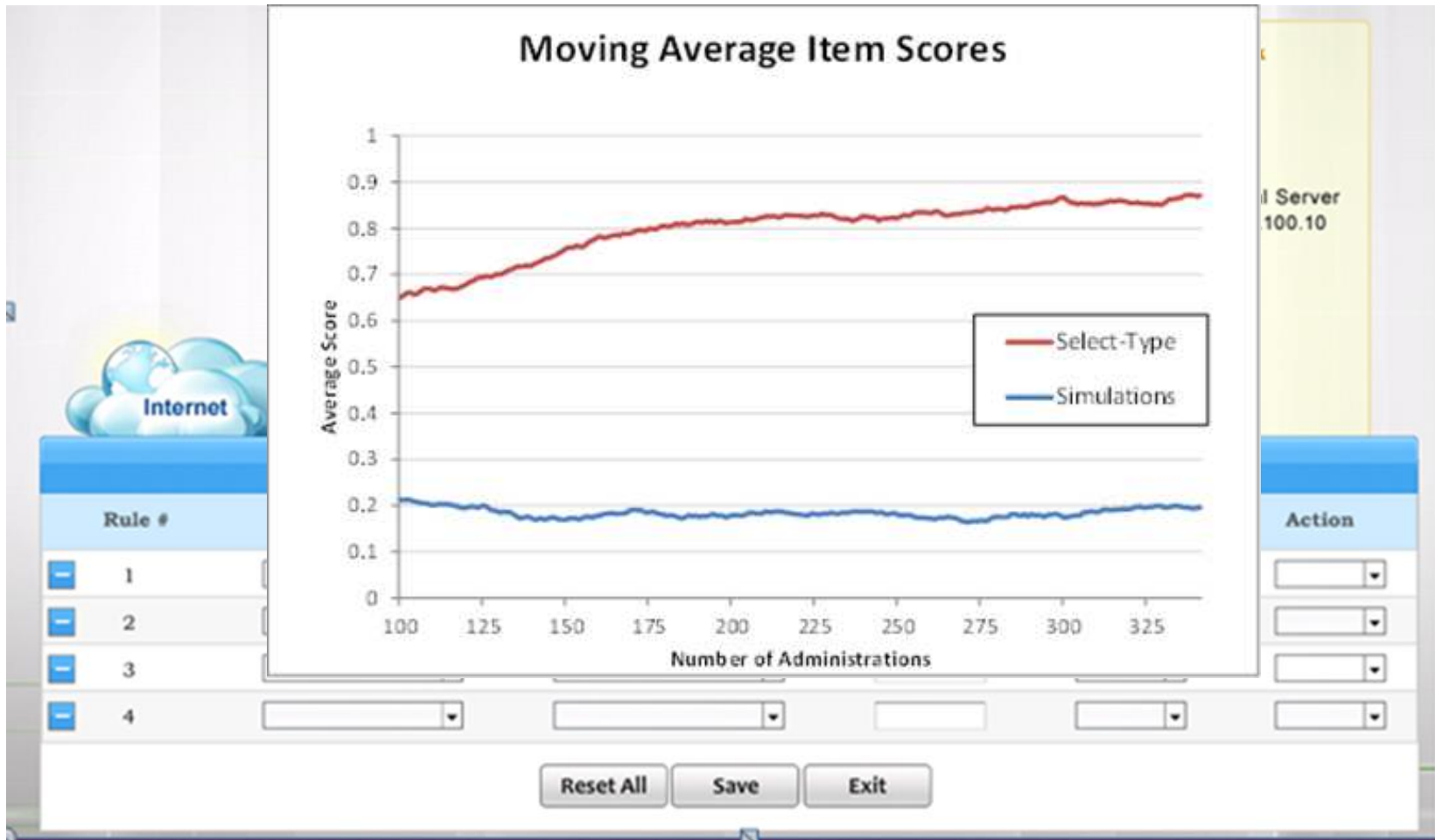CompTIA.

Test Development Strategies

- Rapid Form Republishing
- Performance Based items
- Item tagging
- Limited delivery areas
- Unique forms by region

Rapid Form Republishing

- Republishing
- This has bee
  that CompTI

Performance Based items

Security Policies and Procedures

- Test Center Biometrics
- Test Administrator Agreements/Training
- Legal Agreements
- "Need to know" only access

Test Center Biometrics

- Photo   hrough into th

Exam Score Report 000-000

Candidate Name
54321
2147483647
CompTIA A+ Certification Exam

10/29/13
8675309

PASSING SCORE: 675
CANDIDATE SCORE: 900
PASS/FAIL: Pass

The CompTIA A+ Certification Exam has a scaled score between 100 and 900.

Test Administrator Agreements

2.4 ADMINISTRATOR RESTRICTIONS

The following policies are applicable to any individual serving as a Pearson VUE Certified Test Center Administrator that proctors CompTIA certification examinations:

- CompTIA employees are prohibited from acting as test center administrators. Any former CompTIA employee must wait a minimum of six (6) months after ending employment, before becoming a test center administrator.

- CompTIA contractors and/or consultants are prohibited from acting as test center administrators. Any former contractor or consultant must wait a minimum of six (6) months from the contract end date, before becoming a test center administrator.

- CompTIA certificate holders that wish to become a test center administrator must wait a minimum of six (6) months, following the most recent CompTIA exam, before becoming a test center administrator.

- Current test center administrators that wish to take a CompTIA exam, must first resign from the test center administrator position and wait a minimum of six (6) months before registering to take CompTIA exams.

The CompTIA Candidate Agreement and Pearson VUE Certified Administrator Rules of Conduct prohibit any conduct by candidates or test center administrators that would compromise the integrity or confidentiality of CompTIA's exams. For test center administrators, such behavior includes:

- Administering CompTIA exams if you have taken any CompTIA exam in the previous six (6) months
- Taking any CompTIA exam while serving as a test center administrator or taking a CompTIA exam less than six (6) months following your resignation as a test center administrator
- Administering CompTIA exams as a test center administrator to candidates who received training or instruction from you in the last twelve (12) months, prior to taking the exam.
- Giving assistance to candidates during delivery of CompTIA exams, or attempting to take a CompTIA exam for someone else
- Administering CompTIA exams to family members or members of your immediate household
- Registering or administering CompTIA exams in a manner that would violate the retake policy
- Tampering with the operation of the testing system or attempting to use it for any unauthorized purpose
- Otherwise violating the terms of the CompTIA Candidate Agreement
- Otherwise failing to follow Pearson VUE testing policies, procedures and instructions

If you are found to be in violation of CompTIA or Pearson VUE testing policies you will be asked to resign from the test center administrator position immediately. Furthermore, such misconduct can result in the termination of your test center's agreement with Pearson VUE and may even be subject to prosecution under the applicable laws.

Legal Agreements, Internal Access, and reports

- Collect NDA from vendors, experts, consultants, and so on.

- Lock down internal access.
  - Who needs access to secure content?
  - What are the risks for allowing access?

- Run Reports on records after administration