

The Threatscape We Now Face...

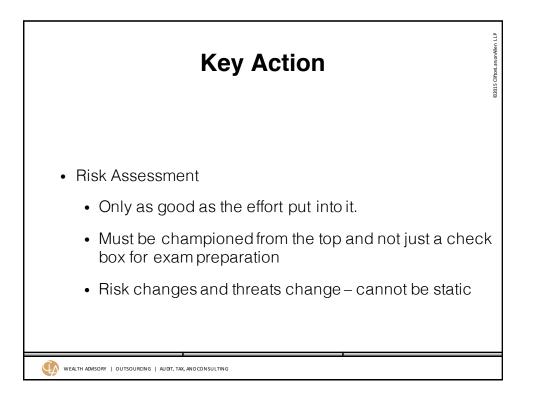
wealth advisory | Outsourcing | Audit, Tax, and consulting

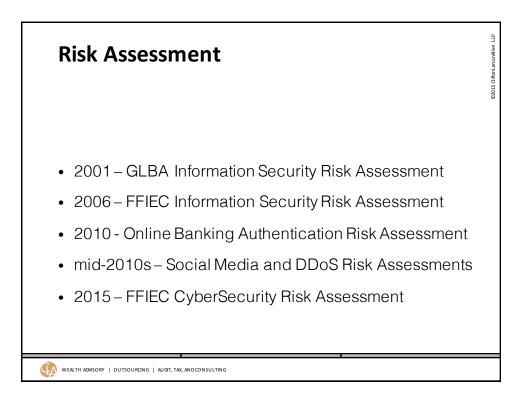
"The threat has reached the point that, given enough time, motivation, and funding, a determined adversary will likely be able to penetrate any system accessible from the Internet."

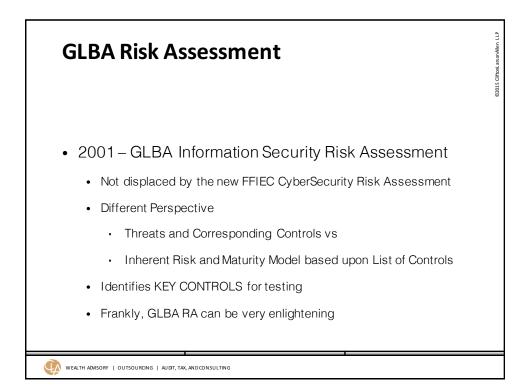
Joseph M Demarest, Assistant Director, Cyber Division FBI, before the Senate Judiciary Committee, May 8, 2013

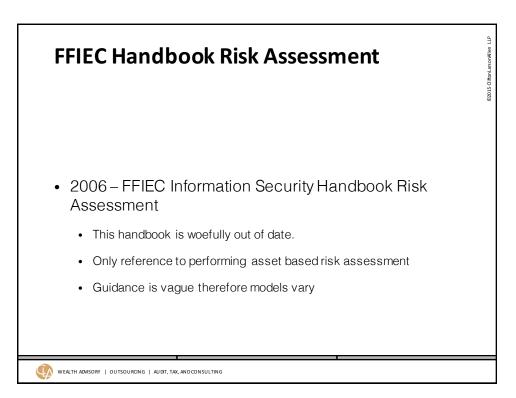
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Time Motivation Funding Are we hopeless? Time Motivation Funding Defit

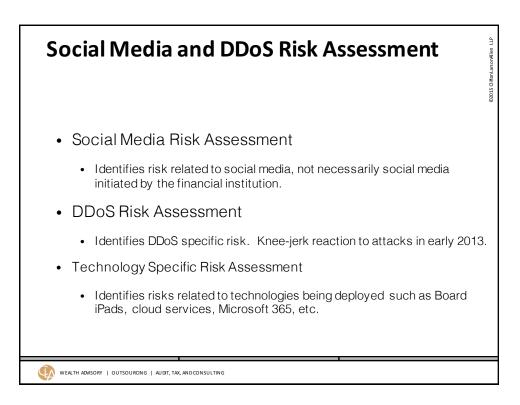


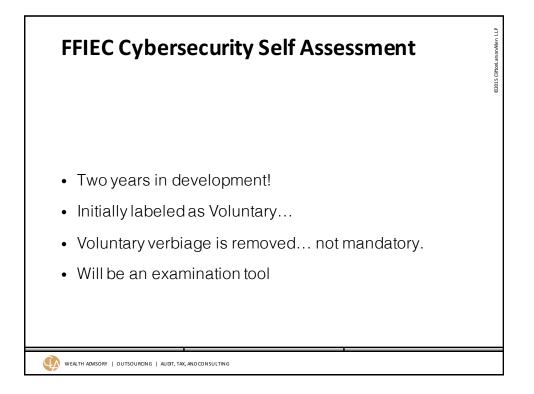


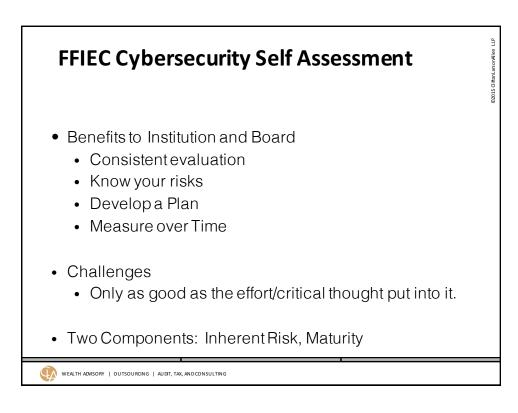


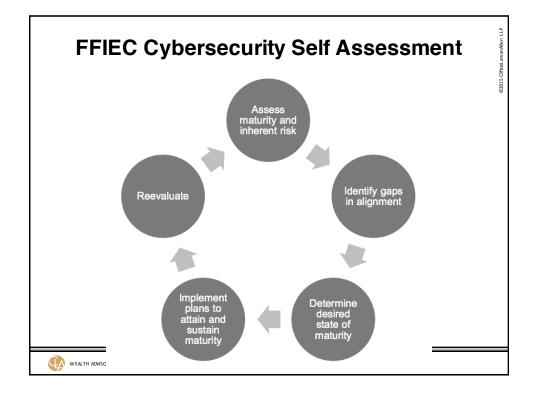




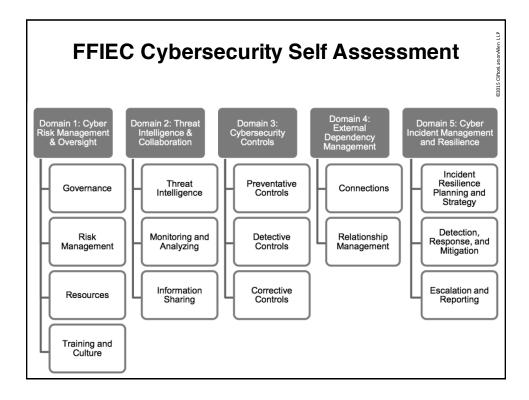


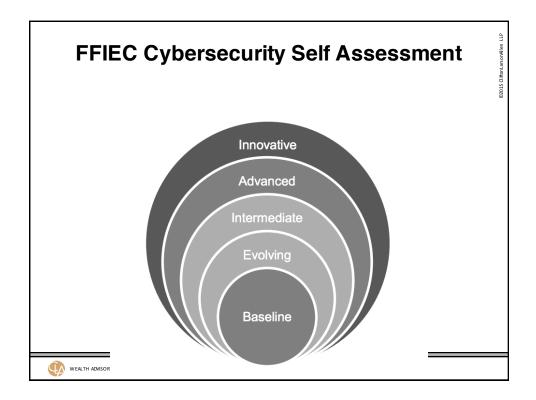






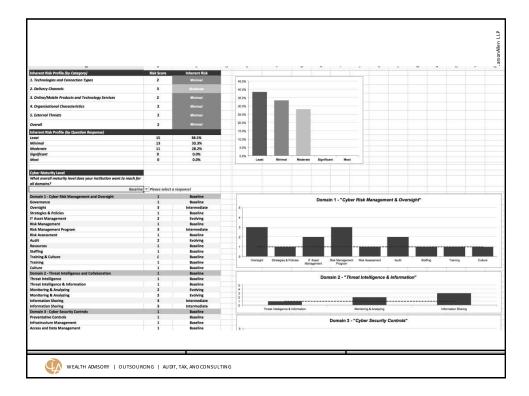
FFIEC Cybersecurity Self Assessment						
nherent Risk Profile						
	T	Risk Levels		V		
Least	Minimal	Moderate	Significant	Most		
No connections	Minimal complexity (1-20 connections)	Moderate complexity (21–100 connections)	Significant complexity (101–200 connections)	Substantial complexity (>200 connections)		
None	Few instances of unsecured connections (1–5)	Several instances of unsecured connections (6–10)	Significant instances of unsecured connections (11–25)	Substantial instances of unsecured connections (>25)		
No wireless access	Separate access points for guest wireless and corporate wireless	Guest and corporate wireless network access are logically separated; limited number of users and access points (1–250 users; 1–25 access points)	Wireless corporate network access; significant number of users and access points (251–1,000 users; 26–100 access points)	Wireless corporate network access; all employees have access substantial number of access points (>1,000 users; >100 access points)		
	Least No connections None	Least Minimal No connections Minimal complexity (1–20 connections) None Few instances of unsecured connections (1–5) No wireless access points for guest wireless and Separate access points for guest wireless and	Risk Levels Least Minimal Moderate No connections Minimal complexity (1-20 connections) Moderate complexity (21-100 connections) None Few instances of unsecured connections (1-5) Several instances of unsecured connections (6-10) No wireless access points for guest wireless and corporate wireless number of users and comport wireless Guest and corporate wireless are logically separated; limited number of users and	Image: No connections Minimal complexity (1-20 connections) Moderate complexity (21-100 connections) Significant complexity (101-200 connections) None Few instances of unsecured connections (1-5) Several instances of unsecured connections (6-10) Significant connections of unsecured connections (1-5) No wireless access points for guest wireless and corporate wireless points for guest wireless are logically separated; limited number of users and points (51-1,000 Wireless corporate significant number of users and sers and access points for 51-1,000		

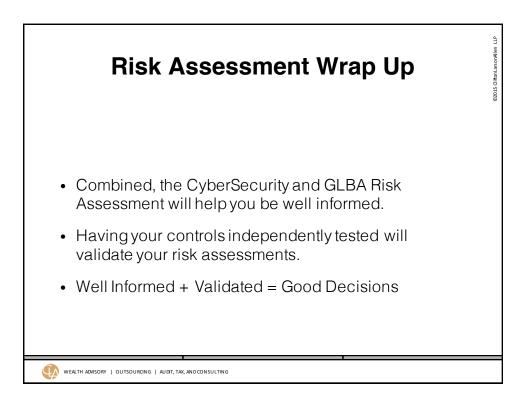


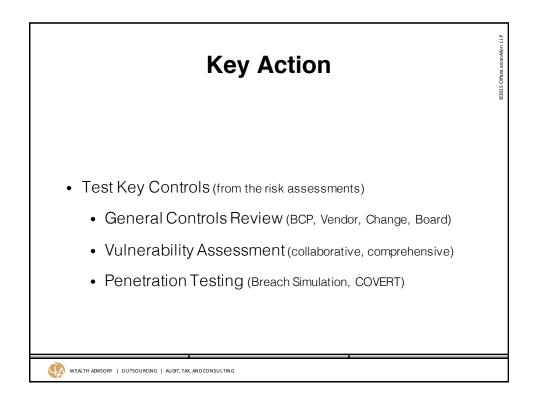


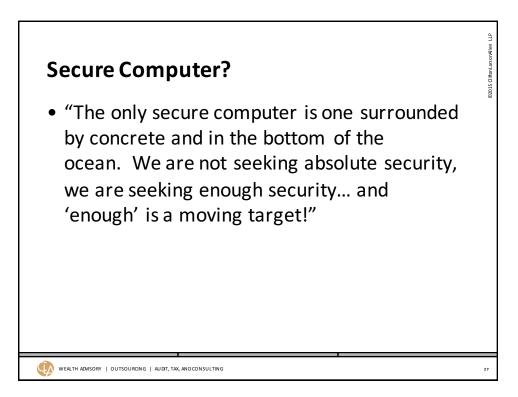
Performed By:							
THE REAL PROPERTY AND		Cybe	r Risk Assessment	Tool - "Inherent Riv	k Profile"		
Performed By: Assessment Date:		0,00	a mak Aasossmon		SK I TOINE		
instructions; Please only select	on a "Yes" for each of the risk areas listed below within Columns D to H. You can provide	additional comments	s if needed within Column I.				
Category	Risk Area	Inherent Risk	Least	Minimal	Risk Levels Moderate	Significant	Most
	1.1 - Total number of Internet service provider (ISP) connections (including	And the second	Na connections	Minimal complexity (1-20 connections)	Moderate complexity (21-103 connectional	Eignificant complexity (101-200 connections)	Substantial complexity (+20 connections)
	branch connections)	L'INTRO-	No	Yes	No	No	No
	1.2 - Unsecured external connections, number of connections not users (e.g., file transfer protocol (FTP), Teinet, risgin)	Least	None	Few instances of unsecured connections (1–5)	Several instances of unsecured connections (6–10)	Significant instances of unsecured connections (11-25)	Substantial instances of unsec connections (+25)
			Yes No administrations	No Separate access points for quest	No Guest and corporate wireless network	No Wreless corporate network access:	No Wireless correctle nations and
	1.3 - Wireless network access			wieless and corporate wireless	access are logically separated; limited number of users and access points (1-250 users; 1-25 access points)	significant number of users and access points (251-1,000 users; 26-100 access points)	number of access points (>1,0 users; >100 access points)
			No	Yes Only one device type available:	No.	No Multiple device types used; available to	No
	1.4 - Personal devices allowed to connect to the corporate network	Least	No.	over one of the second state of the second state of the second se	<10% of employees (staff, executives, managers) and board; e-mail access only	<25% of authorized amployees (staff, executives, managers) and board, e- mail and some applications accessed	
		-	Yes	No	No	No	No
	1.5 - Third parties, including number of organizations and number of individuals from vendors and subcontractors, with access to internal systems (e.g., virtual private network, modern, intranet, direct connection)		No third parties and no individuals from third parties with access to systems	 Limited number of bird parties (1-5) and limited number of individuals from third parties (+53) with access, low complexity in how they access systems 	Moderate number of third parties (6-10) and moderate number of individuals from third parties (50-500) with access; some complexity in how they access systems	Significant number of third parties (11–25) and significant number of individuals from third parties (501–1.502) with access; high level of complexity in terms of how they access evolvems	Substantial number of third pa (>25) and substantial number individuals from third parties (> with access; high complexity in they access systems
			No	No	Yes	No	No
	1.6 - Wholesale customers with dedicated connections	Least		Few dedicated connections (between 1-5)	Seventi dedicated connections (between 6~10)	Significant number of dedicated connections (between 11-25)	Substantial number of dedical connections (>25)
1. Technologies	1.7 - Internally hosted and developed or modified vendor applications		Yes No applications	No Few applications (between 1–5)	No Several applications (between 6-10)	No Significant number of applications	No Substantial number of application
and Connection	supporting critical activities	Minimal	No	Yes	No	(between 11-25) No	complianity (>25) No
Types	1.8 - Internally hosted, vendor-developed applications supporting critical activities		Limited applications (0-6)	Few applications (6-30)	Several applications (31-75)	Significant number of applications (76-200)	Substantial number of applicatio complexity (>200)
	1.9 - User-developed technologies and user computing that support critical	7.41020208	No No user-developed technologies	Yes 1–100 technologies	No 101-500 technologies	No 501-2,500 technologies	N0 >2,500 technologies
	1.9 - Oser-developed technologies and user computing that support critical activities (includes Microsoft Excel spreadsheets and Access databases or	Least	Yes	No	No No	N0	No
	1.10 - End-of-éfe (EOL) systems		No systems (hardware or software) that are past EOL or at risk of nearing EOL within 2 years	Few systems that are at risk of EOL and none that support official operations	Several systems that will reach EOL within 2 years and some that support critical operations	A large number of systems that support official operations at EOL or are at rais of reaching EOL in 2 years	t Majority of critical operation dependent on systems that h reached EOL or will reach EOL the next 2 years or an unkno number of systems that have re EOL
			No	No	Yes	No	No
	1.11 - Open Source Software (OSS)		No OSS	Limited OSS and none that support ortical operations	Several OSS that support critical operations	Large number of OSS that support critical operations	Majority of operations depende QSS
	1.12 - Network devices (e.g., servers, routers, and firewalls; include physical	Minimal	No Limited or no network devices (<250)	Yes Few devices (250-1,500)	No Several devices (1,501-25,000)	No Significant number of devices (25.001–50.000)	No Substantial number of devic (>50.000)
	and virtual)		No	Yes	No	No	No
	1.13 - Third-party service providers storing and/or processing information that support critical activities (Do not have access to internal systems, but the institution raties on their services).		No third parties that support critical activities	1-25 third parties that support critical activities	26–100 third parties that support critical activities	101-200 third parties that support ortical activities; 1 or more are foreign- based	
			No No cloud providens	Yes Few cloud providers; private cloud only	No Several cleud providers (4–7)	No Significant number of cloud providers	No Substantial cumber of cloud arc
	1.14 - Cloud computing services hosted externally to support critical activities			(1-3)		(6-10); cloud-provider locations used include international; use of public	(>10); cloud-provider locations include international; use of p

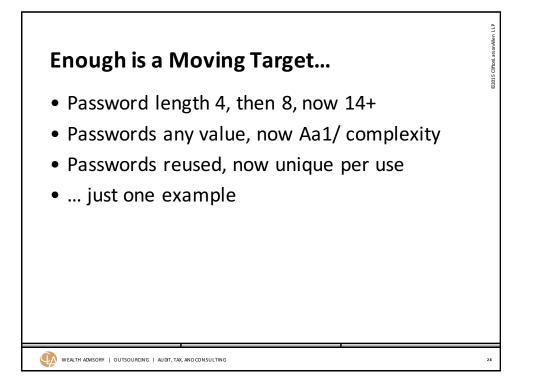
A	В	c	D	E	F
			Су	ber Risk Assessment Tool - "Cyber Maturity Level"	
	ct "Yes" in Column F for e	ach Maturity Level if your i	nstitution performs all o	If the declarative statements; however, the "Yes" responses must be in order. For example, you cannot respond "Yes" to Base	eline and
Domain	Assessment Factor	Component	Maturity Level	Declarative Statement(s)	Yes or M
Domain 1 Cyber Risk Management and Oversight	Governance	Oversight	Baseline	 Designated members of management are held accountable by the board or an appropriate board committee for implementing and managing the information security and business continuity programs. (FFIEC Information Security Booklet, page 3) Information security risks are discussed in management meetings when prompted by highly visible cyber events or regulatory alerts. (FFIEC Information Security Booklet, page 6) Management provides a written report on the overall status of the information security and business continuity programs to the board or an appropriate board committee at least annually. (FFIEC Information Security Booklet, page 5) The budgeting process includes information security related expenses and tools. (FFIEC E-Banking Booklet, page 20) Management considers the risks posed by other critical infrastructures (e.g., telecommunications, energy) to the institution. (FFIEC Business Continuity Planning Booklet, page J-12) 	Yes
			Evolving	 At least annually, the board or an appropriate board committee reviews and approves the institution's cybersecurity program. O Management is responsible for ensuring compliance with legal and regulatory requirements related to cybersecurity. Cybersecurity tools and staff are requested through the budget process. There is a process to formally discuss and estimate potential expenses associated with cybersecurity incidents a part of the budget process. 	Yes

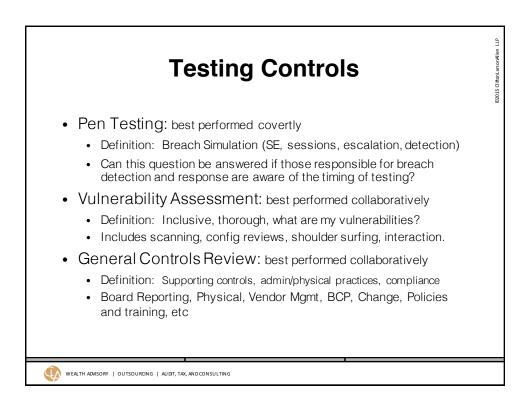








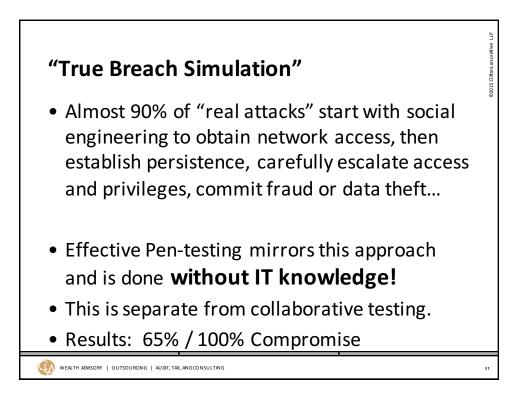




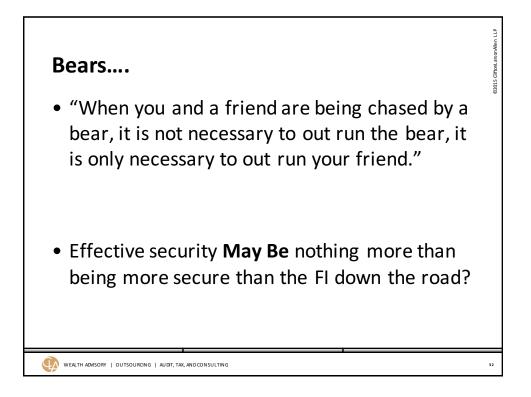
OVERVIEW OF PENETRATION TEST LEVELS

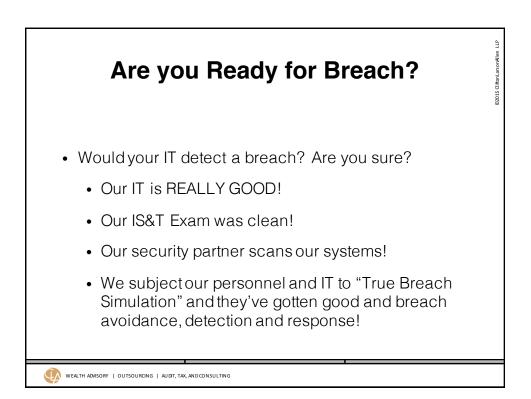
The following matrix highlights the differences between the four levels of penetration testing. It is important to gain a full understanding of the different service levels when comparing differences offerings with others in the industry. Our comprehensive offering demonstrates differences in-depth understanding of penetration testing, as well as providing the flexibility to choose a penetration test solution that is best suited to clients' regulatory requirements and budgetary standpoint.

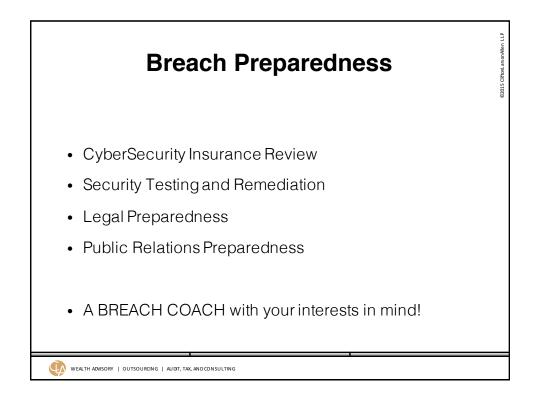
Descriptions, Features, Options	Penetration Test Levels				
· · · · · · · · · · · · · · · · · · ·	Level 1	Level 2	Level 3	Level 4	
Type of test available:					
External	•	•	•	•	
Internal		•	•	•	
Description of service:					
Review of vulnerability assessment report, highlighting key weaknesses	•	•	•	•	
Vulnerabilities exploited until analyst compromises the domain		•	•	•	
Vulnerabilities exploited on a representative sampling of devices			•	•	
Vulnerabilities exploited on all devices selected by the client				•	
Other features:		1			
Near-real-time notification of critical vulnerabilities	•	•	•	•	
Soft copy report prepared summarizing findings; view via Frontline or download	٠	•	•	•	

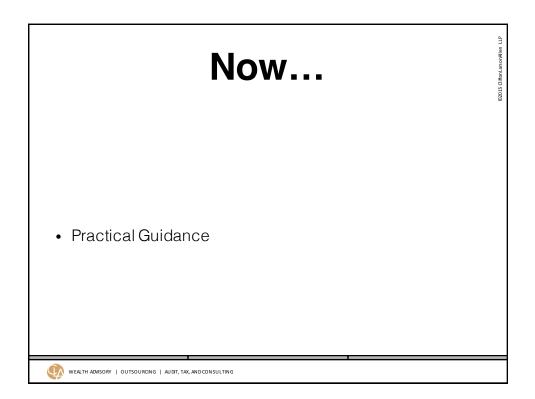


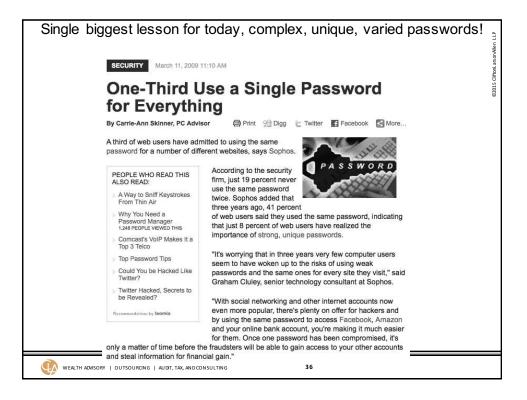
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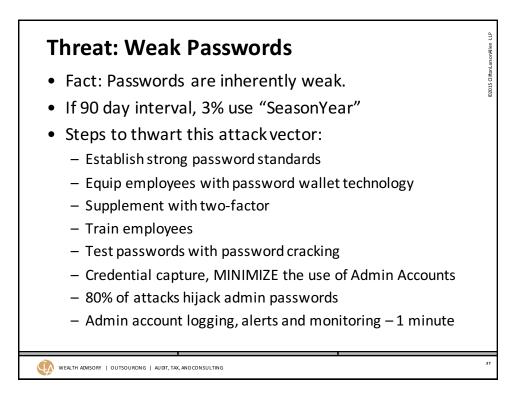


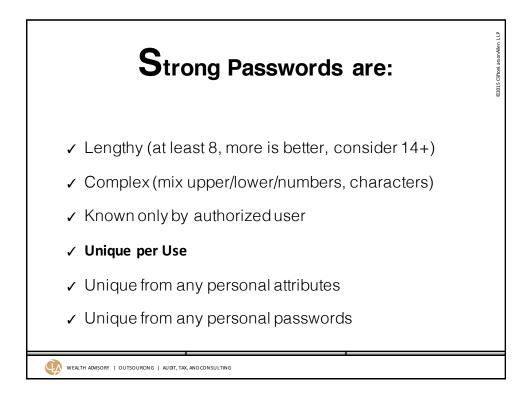


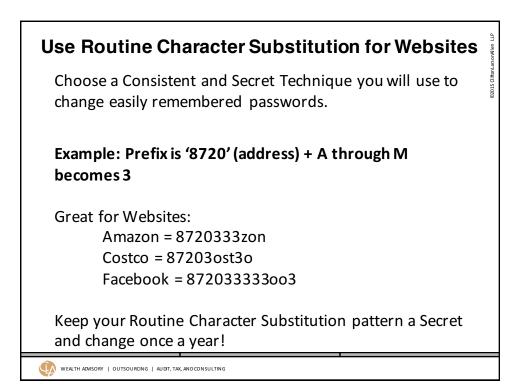


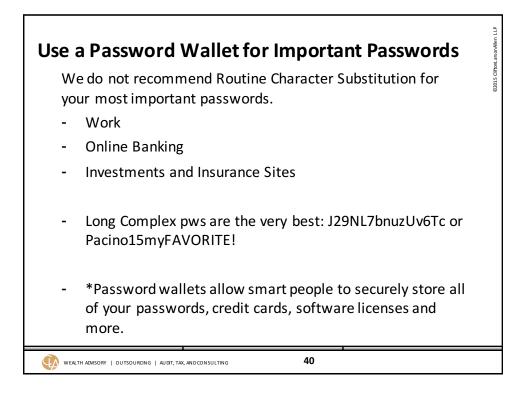




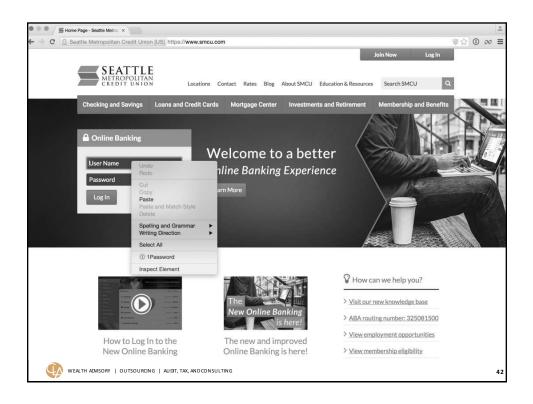


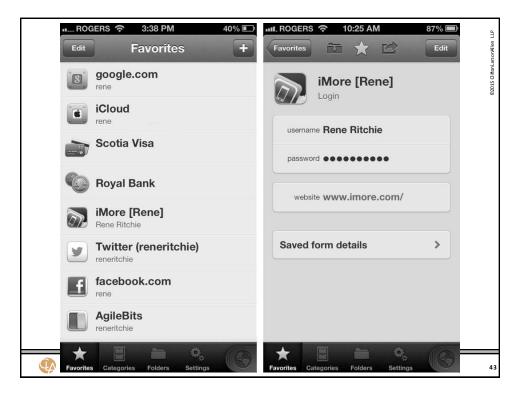


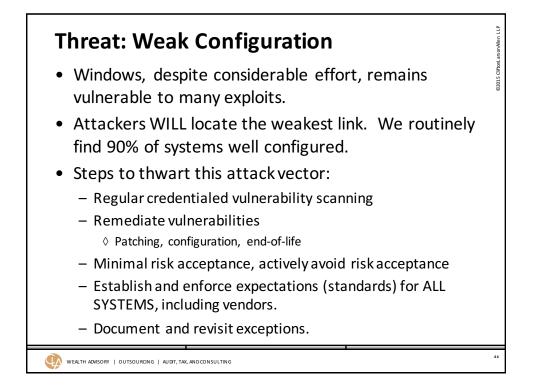




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In	Online Banking ☆ ☞	^d
	username 467736567 password BqvfCh3wY497faY O	
	length 15 Show password recipe	
WEALTH .	notes	41







Windows Laptop Control Checklist	
Yes No Configuration Standard	
Verify that all hard drive partitions are formatted with NTFS	
 Install encryption and manage encryption keys for information recovery 	
Install laptop recovery software	
Assign laptop asset tag and input device info into asset tracking database	
Configure strong password for Administrator accounts	
Restrict number of users with Administrative privileges	
Disable unnecessary services	
Disable or delete unnecessary accounts	
Configure access restrictions to files, directories and shares Make sure the Guest account is disabled	
Disable anonymous access to system registry Restrict anonymous access to Local Security Authority (LSA) information	
Configure password policies (length, complexity, expiration, history, etc.) Enable account lockout	
Enable dobbank lookdat	
Rename the Administrator account	
Revoke the Debug programs user right	
Remove all unnecessary file shares Configure appropriate access controls on all necessary file shares	
Enable security event auditing Set log on warning message	
Install anti-virus software and updates	
Install host-based IPS/IDS or firewall	
Install service packs and critical patches	
Configure security patches deployment solution	
Establish backup and file restore procedures	
Scan system with the Baseline Security Analyzer	
Install the appropriate post-Service Pack security hotfixes	
Run Microsoft's Malicious Code Removal Tool	
Implement backup and recovery solution	
Justification for Exceptions:	
Technical Lead Approval: Date:	
Manager Approval: Date:	

