

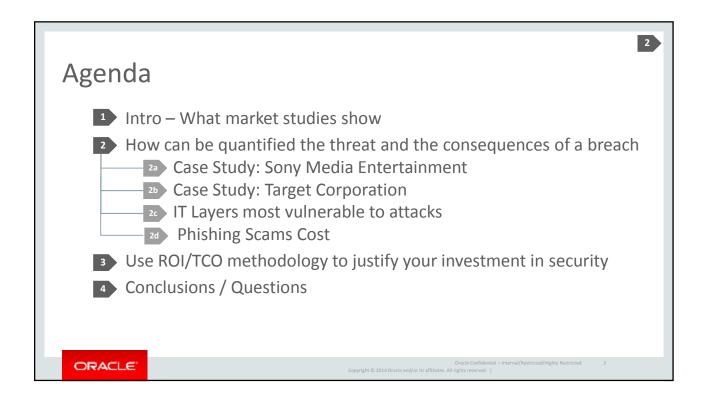
About the Speaker

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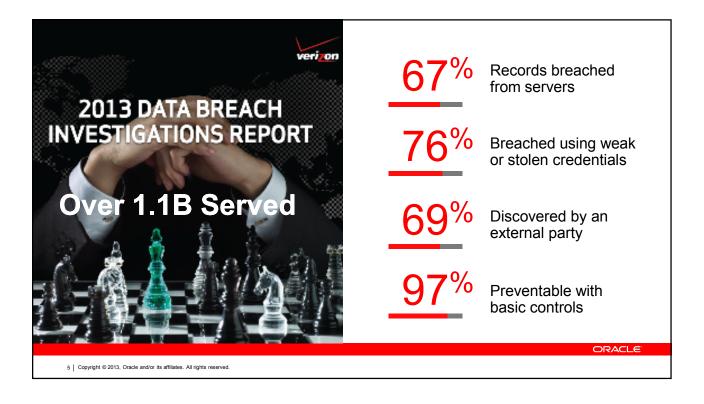
- Graduated Computer Science at Politehnica University Bucharest
- With Oracle Romania since 2005
 - Sales Manager, Technology Romania
 - Bus Ops Director SEE Cluster (2007 2009)
 - Core Tech Sales Director (2009 2013)
 - Oracle University Sales Director, South Eastern Europe (since 2013)
- Before Oracle:
 - · R&D Engineer, Control Data Corp
 - Sales Executive: AT&T, Nortel, Cisco
- PhD in Computer Science (2005)
- · Visiting Professor, Politehnica University Bucharest
- VP of the National Software Association (ANIS) Academic Initiatives



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Case Study #1: Sony Pictures Entertainment (SPE)

- Nov 24, 2014: "It was about 8:00 in the morning, and our CFO called to say that we had been breached. By the time I got to the office, the whole studio was off-line". Employees logging on to their computers saw a skeleton and the words "Hacked by the #GOP" (Guardians of Peace). The hackers stole confidential business information, including employee data and private e-mails, and movies, including Annie and other unreleased films.
- <u>DECEMBER 15–16</u>: Two separate class action lawsuits are filed on behalf of former and current employees alleging that Sony did not do enough to safeguard their private information.
- <u>January 2015</u>: **Charlize Theron** obtains an additional \$10Million to match the fee of Chris Hemsworth, her male co-star in *The Huntsman* film production.
- <u>February 4 2015</u>: Sony Pictures Entertainment declares the hack cost \$15 million through the end of 2014.

Source: July-August 2015 Harvard Business Review

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Case Study #2: **Target** to Pay Visa Issuers Up To \$67M

The biggest data breach in American retail history

- Target Corp. has reached an agreement with Visa Inc. to settle claims over the massive 2013 data breach that exposed 40 million credit and debit cards to fraud.
- According to a report by the <u>Wall Street Journal</u>, the retail giant will reimburse thousands of financial institutions up to \$67 million for costs associated with the compromise.
- In addition, Target said it is currently working on a similar agreement with MasterCard issuers.
- <u>In a separate</u> lawsuit against Target, banks seeking class-action for the losses suffered as a result of its data breach.

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Mossack - Fonseca

Panama Papers

A massive data leak

2.6 terabytes of data was leaked - equivalent of 11,5M documents.

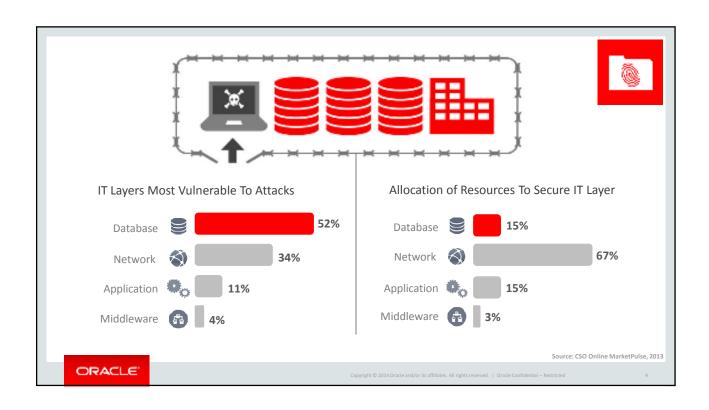
That's 10 times more than the offshore leaks of 2013 and 1,500 times more than the famous Wikileaks of 2010. A digital supertanker.

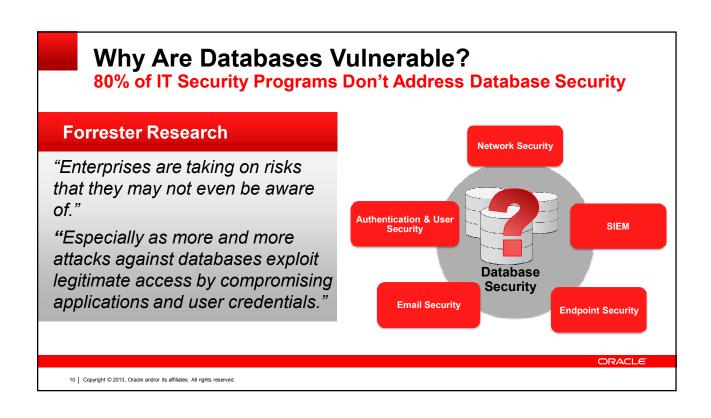
And as if that wasn't enough, there was not the slightest bit of cyphering, not the slightest data encryption, not even a little 1234 password.

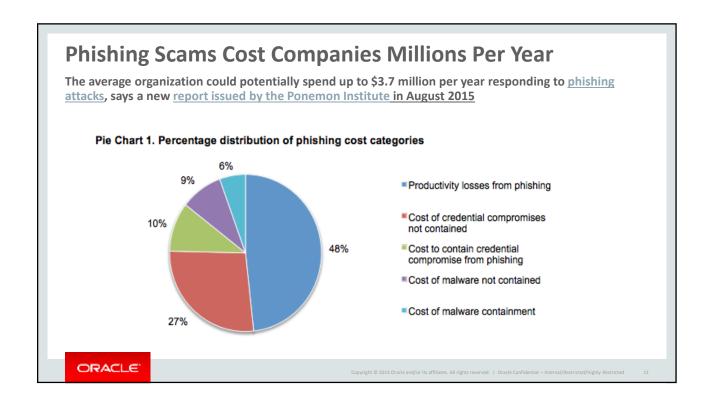


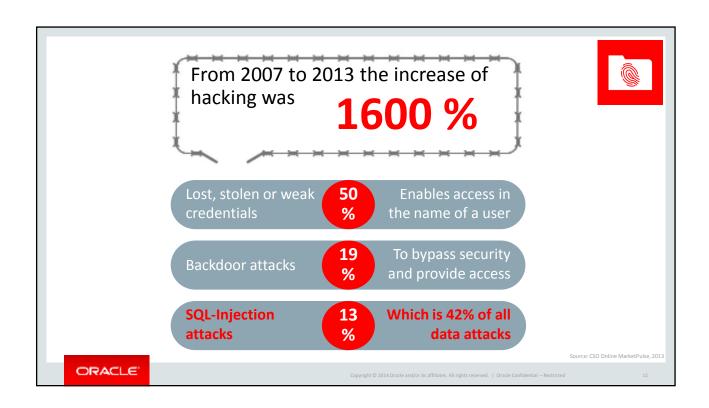
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Two Reasons Organizations Should Invest In Database Security







Address Regulatory Compliance



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13

How to Get the Financing for Securing the IT (1)?

To deploy a <u>Data Masking solution</u>, a Business Case approach has the potential to provide a solid ROI (Return On Investment) through quantifiable benefits from:

- improved DBA productivity,
- internal IT cost reduction, as well as
- cost avoidance of a security breach

resulting in a risk-adjusted ROI of 242%, along with a 5.4 month payback period (break- even point).

	Cash flow: Risk-adjusted estimates						
	Initial	Year 1	Year 2	Year 3	Total	PV	
Costs	(\$321,616)	(\$60,720)	(\$60,720)	(\$60,720)	(\$503,776)	(\$472,618)	
Benefits		\$769,378	\$581,378	\$581,378	\$1,932,133	\$1,616,709	
Net benefits	(\$321,616)	\$708,658	\$520,658	\$520,658	\$1,428,356	\$1,144,091	
ROI	242%						
Payback period	5.4 months						

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Source: Forrester Research, Inc.

How to Get the Financing for Securing the IT(2)?

To evaluate the value proposition of an <u>Identity Management</u> suite a three-year risk-adjusted ROI of 212% with a payback period of six months case study is available

Table 1: Three-Year ROI, Risk-Adjusted

Summary financial results	Original estimate	Risk-adjusted	
ROI	250%	212%	
Payback period (months)	5.4	6.1	
Total costs (PV)	(\$4,103,186)	(\$4,373,379)	
Total benefits (PV)	\$14,346,649	\$13,641,627	
Total (NPV)	\$10,243,463	\$9,268,247	



Source: Forrester Research, Inc.

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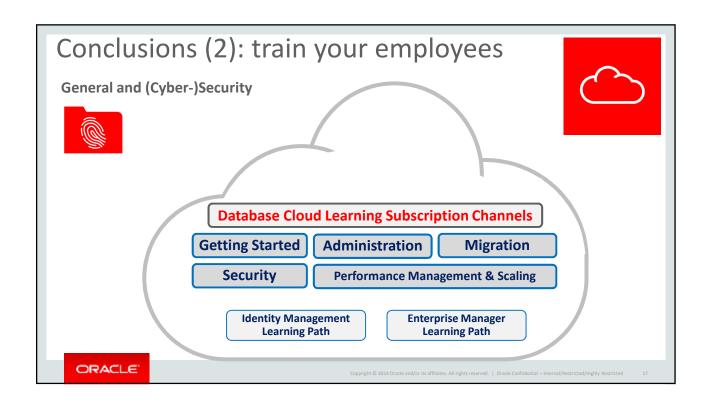
Conclusions (1): Cybersecurity's Human Factor

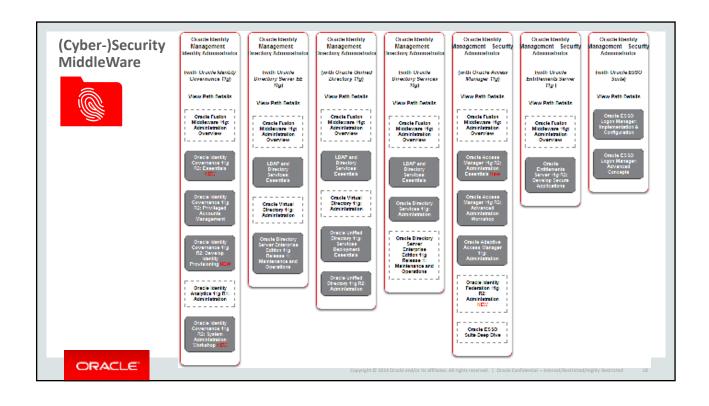
Lessons from the Pentagon (www.hbr.org)

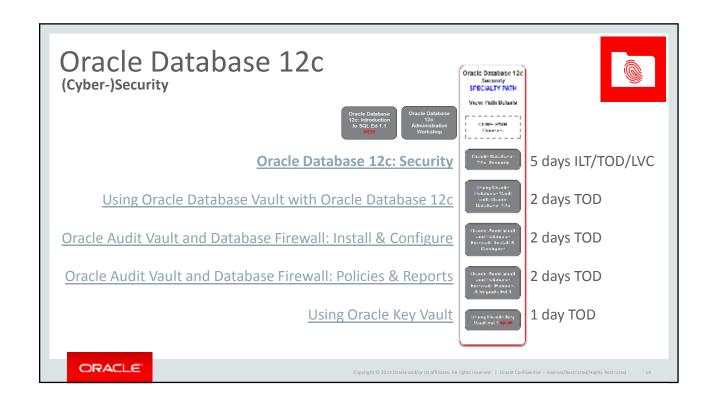
At the heart of their culture are six interconnected principles

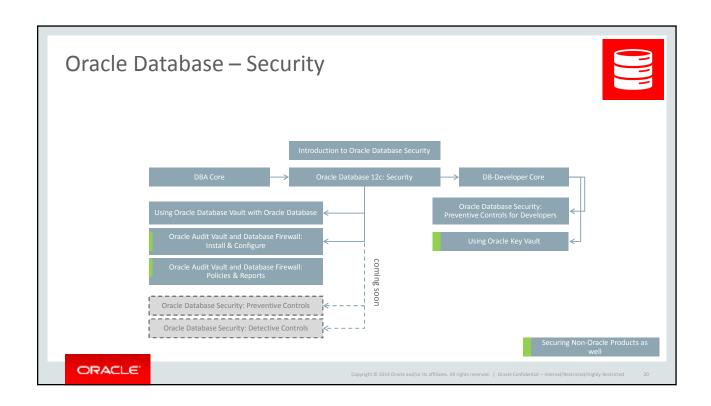
- Integrity deeply internalized ideal that leads people, without exception, to eliminate "sins of commission" (deliberate departures from protocol) and own up immediately to mistakes
- Depth of knowledge If people thoroughly understand all aspects of a systemincluding the way it's engineered, its vulnerabilities, and the procedures required to operate it—they'll more readily recognize when something is wrong and handle any anomaly more effectively
- Procedural compliance know where to find proper operational procedures and to follow them to the letter
- Forceful backup any action that presents a high risk to the system has to be performed by two people
- A questioning attitude this is not easy to cultivate in any organization, especially one with a formal rank structure in which immediate compliance with orders is the norm
- Formality in communication minimize the possibility that instructions are given or received incorrectly at critical moments

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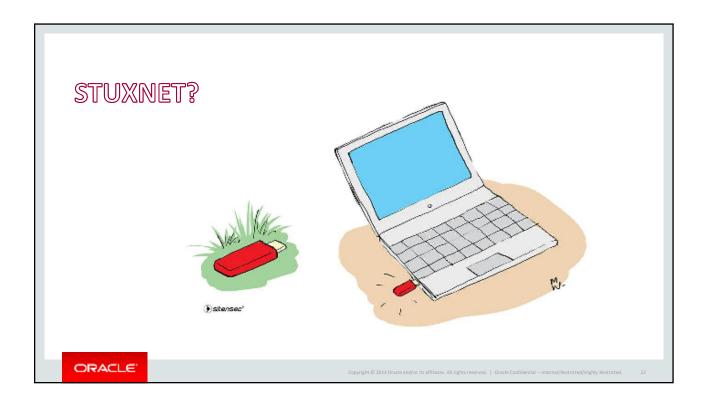












Integrated Cloud Applications & Platform Services

