

**SICHERHEITS  
KONGRESS  
2015**

23. Februar 2015  
Reed Messe Wien – Congress Center  
[www.sicherheitskongress.at](http://www.sicherheitskongress.at)

# KSÖ-SICHERHEITSKONGRESS 2015

Wachstum durch digitale Standortsicherung.

Chancen und Herausforderungen auf dem Weg zu einem cyber-sicheren Österreich.

**KURATORIUM  
SICHERES  
ÖSTERREICH**

**BM.I** 

REPUBLIK ÖSTERREICH  
BUNDESMINISTERIUM FÜR INNERES

# Adapting IT Security to Digital Business

Jeremy D'Hoinne  
@jeremydhoinne

© 2014 Gartner, Inc. and/or its affiliates. All rights reserved. Gartner is a registered trademark of Gartner, Inc. or its affiliates. This publication may not be reproduced or distributed in any form without Gartner's prior written permission. If you are authorized to access this publication, your use of it is subject to the [Usage Guidelines for Gartner Services](#) posted on gartner.com. The information contained in this publication has been obtained from sources believed to be reliable. Gartner disclaims all warranties as to the accuracy, completeness or adequacy of such information and shall have no liability for errors, omissions or inadequacies in such information. This publication consists of the opinions of Gartner's research organization and should not be construed as statements of fact. The opinions expressed herein are subject to change without notice. Although Gartner research may include a discussion of related legal issues, Gartner does not provide legal advice or services and its research should not be construed or used as such. Gartner is a public company, and its shareholders may include firms and funds that have financial interests in entities covered in Gartner research. Gartner's Board of Directors may include senior managers of these firms or funds. Gartner research is produced independently by its research organization without input or influence from these firms, funds or their managers. For further information on the independence and integrity of Gartner research, see "[Guiding Principles on Independence and Objectivity](#)."

**Gartner**<sup>®</sup>

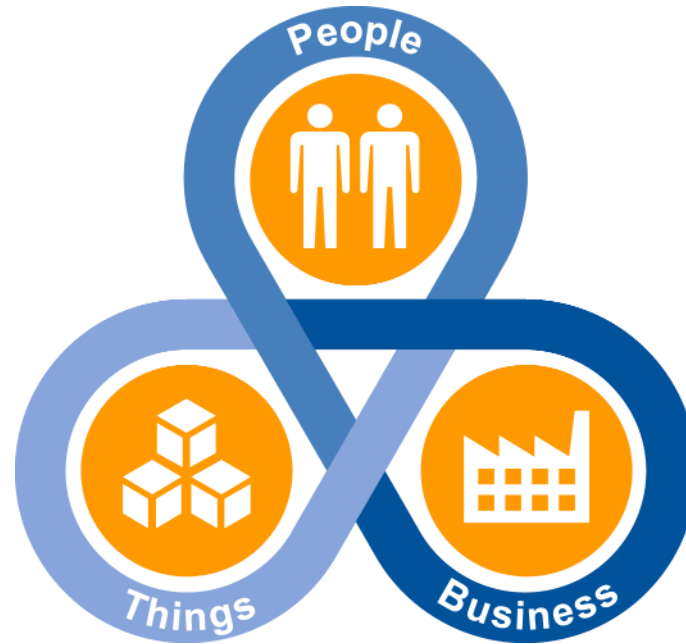
# 2014 Sample Security Incidents

Entity	Vertical	Impact	Method
European Central Bank	Government		Undisclosed Web
FIN			
Tar			ol
Exp		200 Million SSN, Bank account	Fraud
JPMorgan	Bank	83 Million bank accounts	Employee credentials stolen

February 2015:  
**Carbanak malware  
 monitors bank employees  
 for  
 “two to four months”**

# Digital Business Accelerates Changes in IT

---



- Exponential increase in complexity
- Loss of direct control for the IT team
- Rapidly changing threat environment

# ... And Implies New Risks

---

According to 2,810 CIOs in Our Most Recent Survey:



**89%** Is Digital Bringing New Types and Levels of Risk?

**83%** Is Agility Increasingly Important Relative to Risk Management?

**69%** Are Risk Management Investments and Disciplines Falling Behind?

# The Digital Dragon Is Upon Us

---

By 2020, **60%** of the Digital Businesses Will Suffer Major Service Failures Due to the Inability of IT Security Teams to Manage Digital Risk

**The Digital Dragon Is Upon Us**

# Assess the Most Critical Impacts of Cloud, IoT and Digital Business

---

Already, information security strategies are shifting to:

- ✓ Contextual Security Monitoring and Response
- ✓ Ubiquitous Identity Management
- ✓ Data Classification and Data Security Governance
- ✓ Employee Security Awareness and Behavior

# Apply Bimodal IT Concepts to Secure Emerging Technologies

## Mode1

## Mode 2

Reliability	Goal	Agility
Price for performance	Value	Revenue, brand, customer experience
Waterfall, V-Model, high-ceremony IID	Approach	Agile, Kanban, low-ceremony IID
Plan-driven, approval-based	Governance	Empirical, continuous, process-based
Enterprise suppliers, long-term deals	Sourcing	Small, new vendors, short-term deals
Good at conventional process, projects	Talent	Good at new and uncertain projects
IT-centric, removed from customer	Culture	Business-centric, close to customer
Long (months)	Cycle Times	Short (days, weeks)

**Think  
Marathon  
Runner**

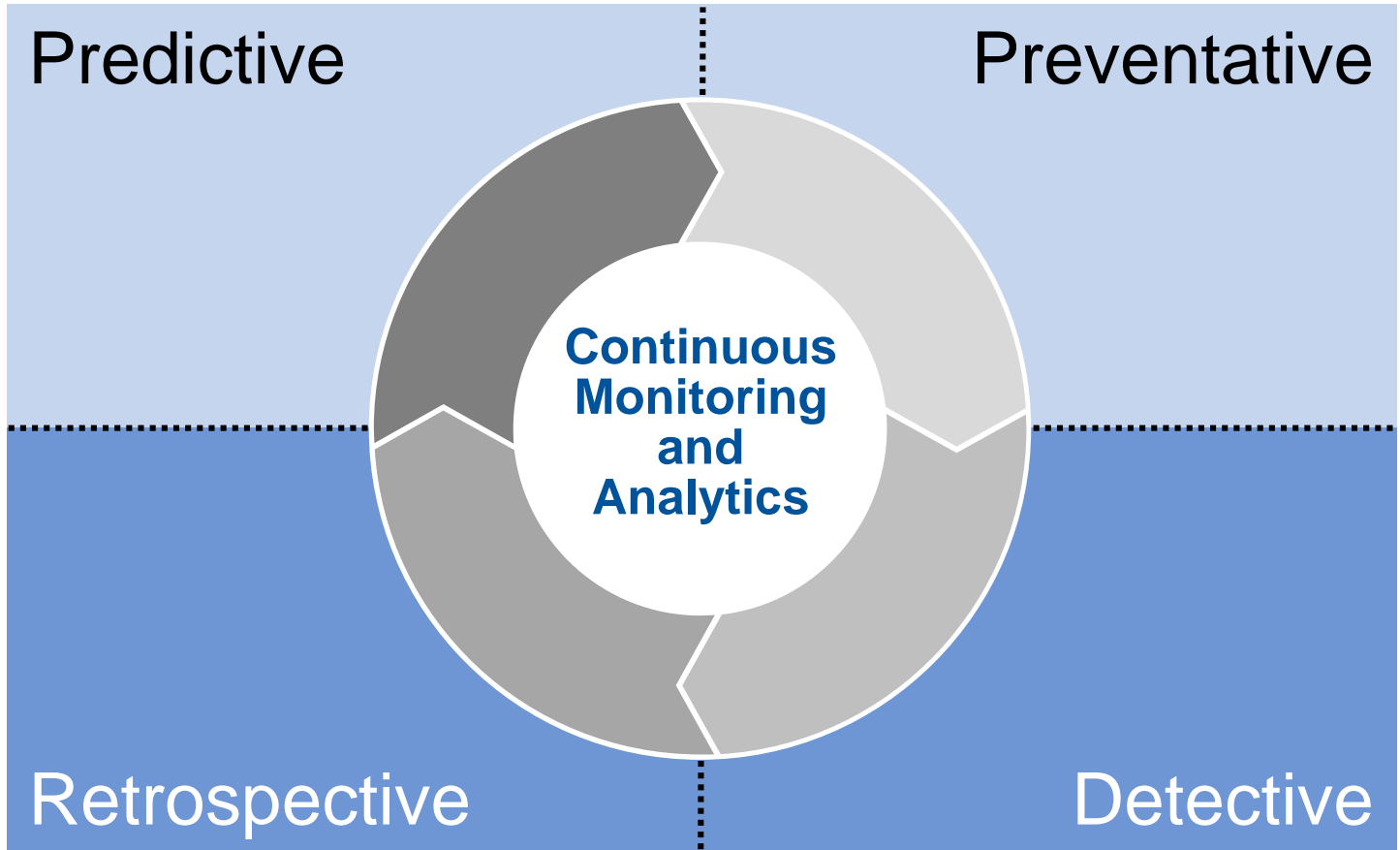
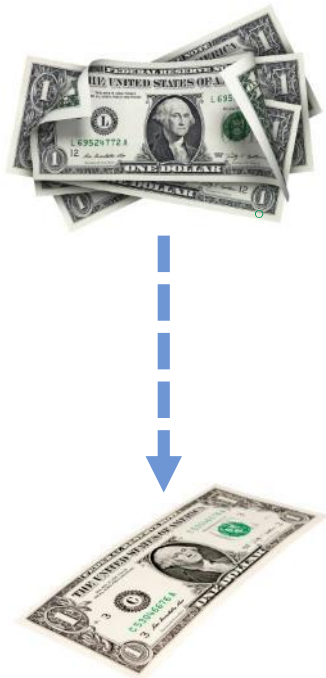


**Think  
Sprinter**





# The Adaptive Security Architecture



# Off-network Traffic Grows to 25% by 2018

---

*By 2018, **25%** of corporate data traffic will bypass perimeter security (up from **4%** today) and flow directly from mobile devices to the cloud.*



**The Year of PKI**

**The Year of IDS**

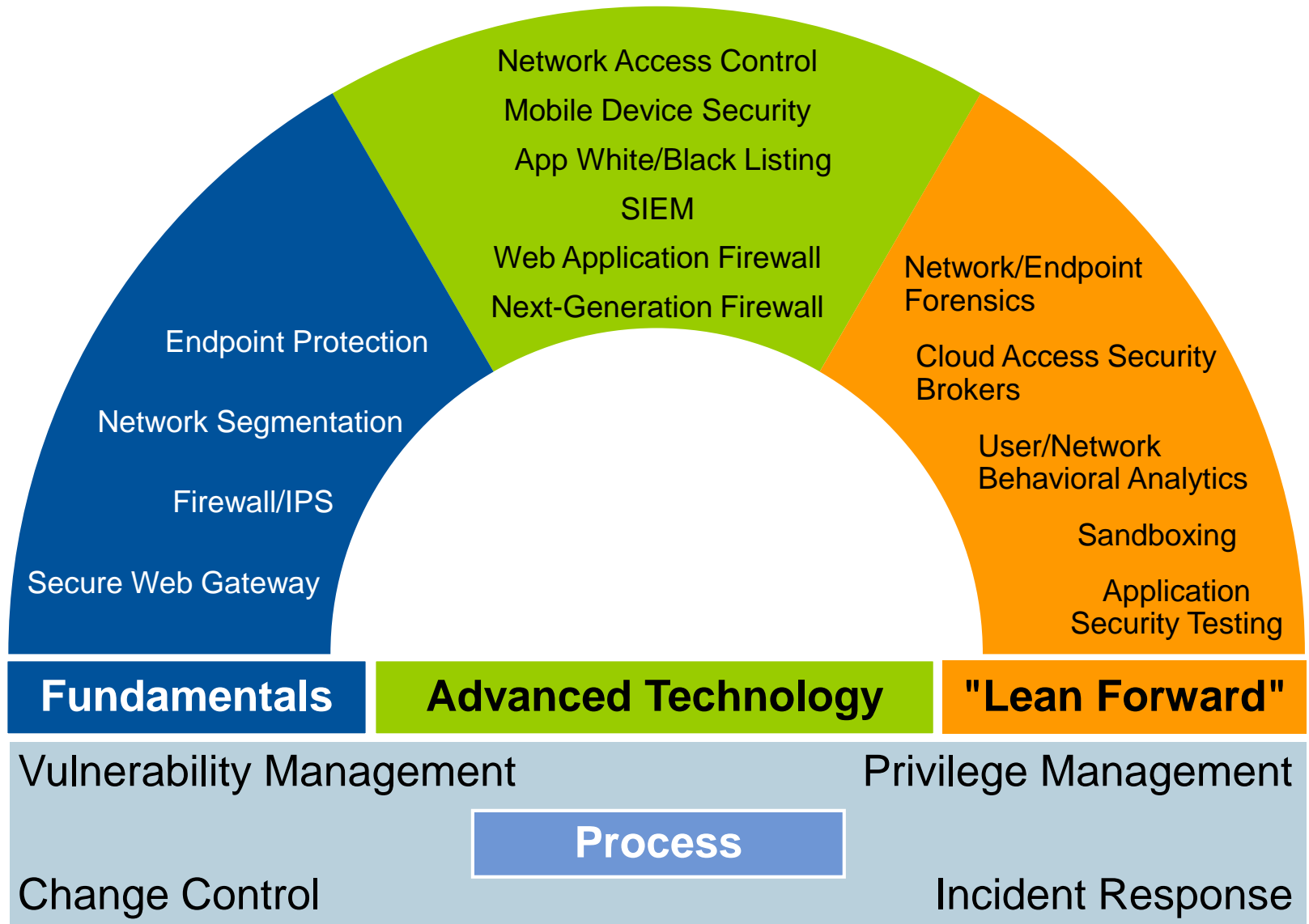
**The Year of IPS**

**The Year of SIEM**

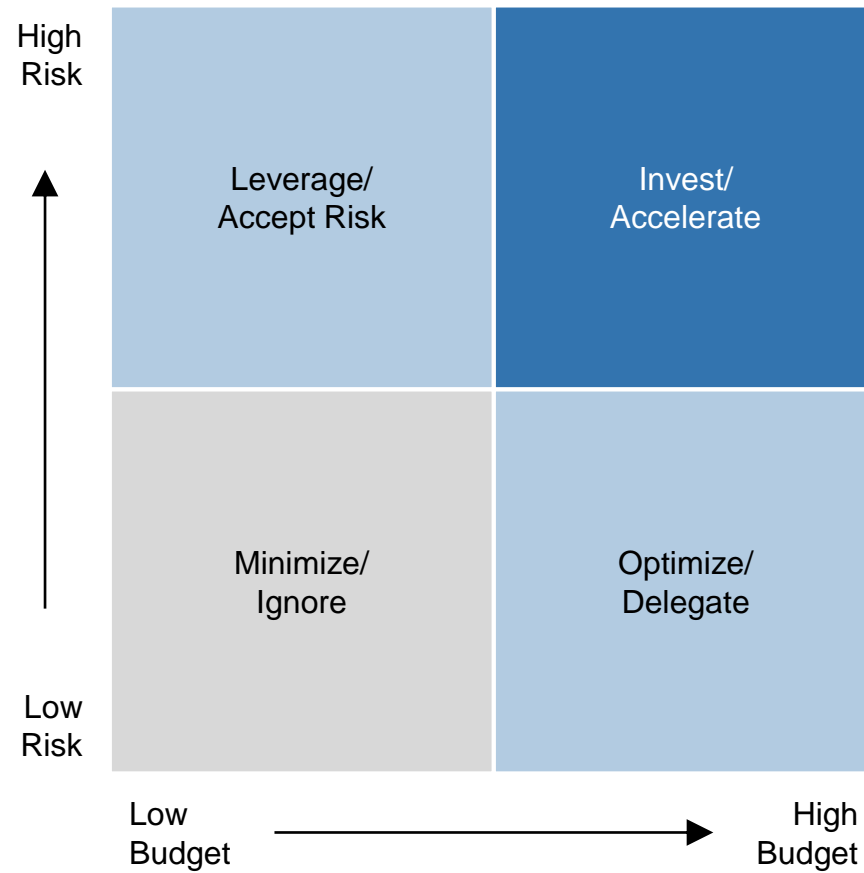
**The Year of DLP**

**The Year of  
Big Data Analytics**

# Defending Against Advanced Threats



# Security Budget Effort Assessment



# Security Skills Management and Talent Retention Are Key to Success

---



# Action Plan

---

## Monday morning:

- *Review* track record of identified attacks and breaches
- *Start the conversation* outside of IT to learn about Digital Business in your organization

## Next 90 days:

- *List, sort and share* Today and Tomorrow's key assets
- *Build and maintain* list of new projects and emerging technologies

## Next 12 months:

- *Update* relevant processes
- *Upgrade* technologies

# Recommended Gartner Research

---

- ["Designing an Adaptive Security Architecture for Protection From Advanced Attacks."](#)
- ["Tips and Guidelines for Sizing Your Information Security Organization"](#)
- ["Digital Business Forever Changes How Risk and Security Deliver Value"](#)
- ["Bimodal IT and Adaptive Sourcing Are Critical to Digital Business Success"](#)