**BusinessConnect and SolutionsConnect**
It’s time to make bold moves.

# Next Generation Mobile Security

**Chris Hockings**
IBM Master Inventor
Open Group Distinguished IT Specialist

# Where am I from?

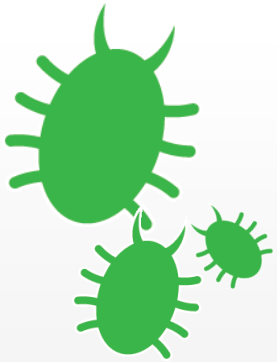

Chris Hockings
Executive IT Specialist
IBM Master Inventor

@chockings
hockings@au1.ibm.com

# As mobile grows, so do the security threats

In 2014 the number of cell phones (7.3 billion) will exceed the number of people on the planet (7 billion).[1]

Mobile downloads will increase to 108 billion by 2017.[2]

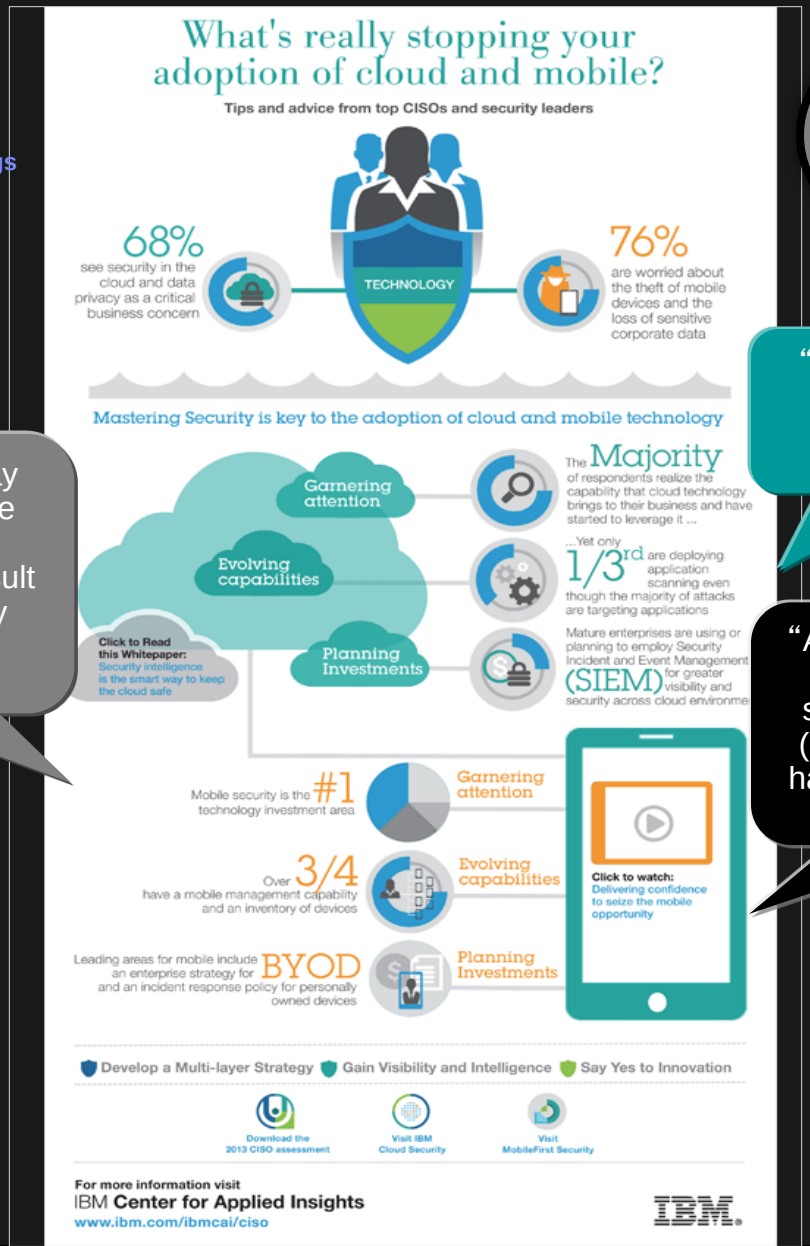


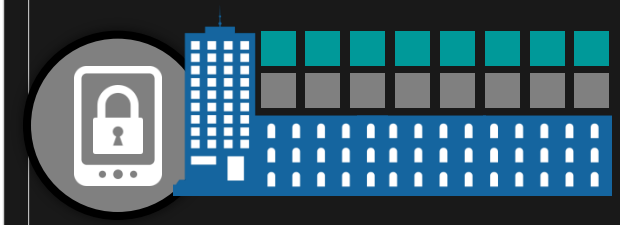
Mobile malware is growing. Malicious code is infecting more than 11.6 million mobile devices at any given time.[3]

Mobile devices and the apps we rely on are under attack. 90% of the top mobile apps have been hacked.[4]

# Business must adapt and redefine security for mobile

2013 IBM CISCO Assessment Findings



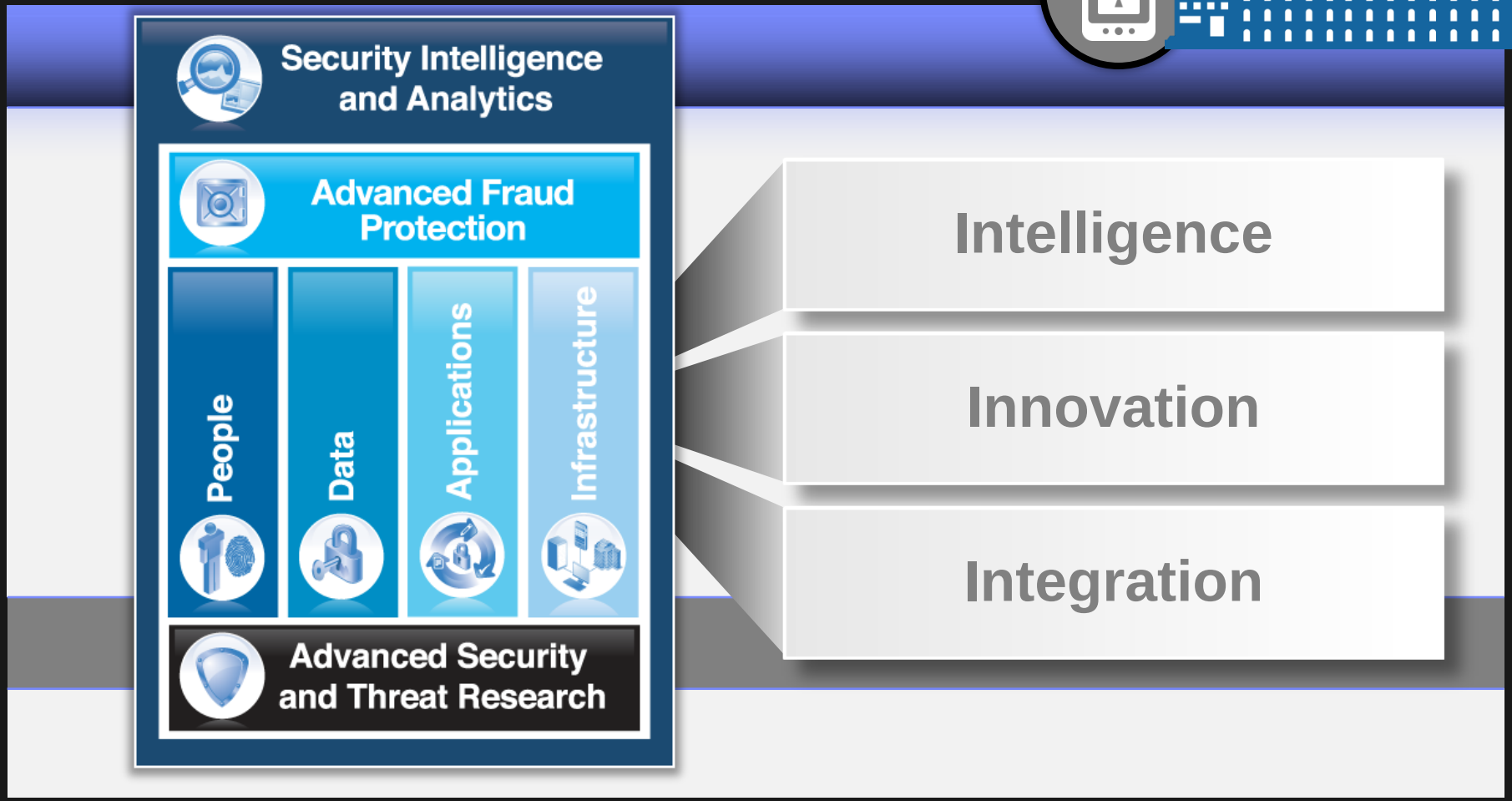
"76% of responders say that the loss of a mobile device with access to corporate data could result in a significant security event."

"Mobile security is the #1 technology investment area."

"Although many are planning to develop an enterprise strategy for mobile security (39%), a significant number have not done so yet (29%)."

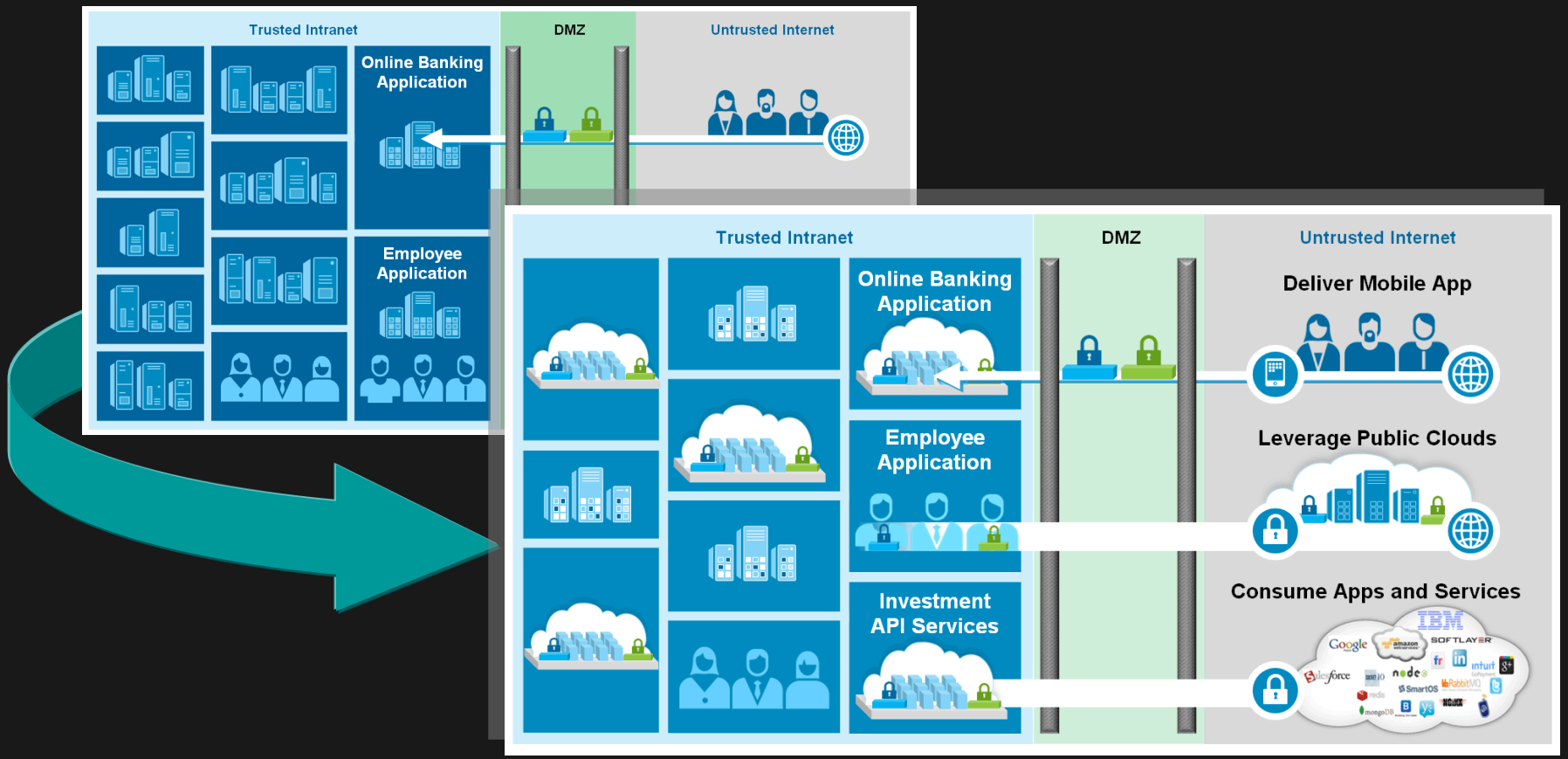
# IBM® Security: Delivering intelligence, innovation and integration

## IBM Security Framework



# Mobile is changing the way we view the perimeter

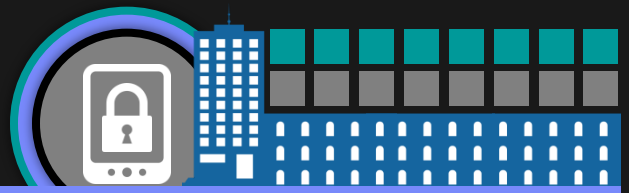
*Security is no longer controlled and enforced through the network perimeter*



# Fraud Detection Demonstration

# Imperatives to securing the mobile enterprise

**CISO / CIO**
*Chief Information Security Officer*
*Chief Information Officer*



- Mitigate security risk across devices, applications, content and transactions
- Monitor enterprise security across all endpoints
- Manage mobility across the enterprise

**IT Operations**

**Line-of-Business Application Developer**

**Security Specialist**

| *Device Security* | *Content Security* | *Application Security* | *Transaction Security* |
|---|---|---|---|
| • Manage the mobile enterprise with BYOD, BYOA, secure e-mail and document sharing | • Secure file and document sharing across devices and employees including integration with SharePoint | • Instrument applications with security protection by design<br>• Identify vulnerabilities in new, existing or purchased applications | • Secure mobile transactions from customers, partners and suppliers |

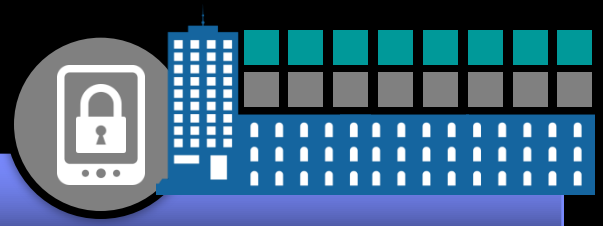
***Security Intelligence***

Correlate mobile security events with broader infrastructure including log management, anomaly detection and vulnerability management for proactive threat avoidance

# Security solutions for the mobile enterprise

# Fiberlink - MaaS360 Enterprise Mobility Management

***Instantly deploy, manage and secure devices, apps and content in the enterprise***



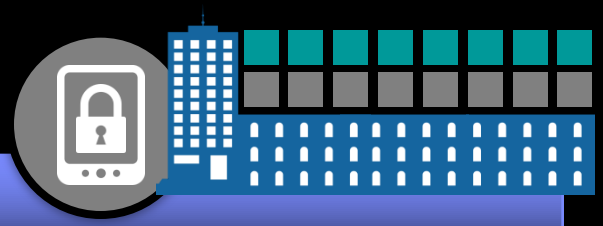
- **Challenge:** Businesses need flexible and efficient ways to promote their mobile initiatives while protecting data and privacy.
- **Solution:** Deliver comprehensive mobile management and security capabilities for users, devices, apps, documents, email, web and networks.
- **Key benefits**
  - Support corporate and employee-owned devices
  - Promote dual persona with full containerization and BYOD privacy
  - Take automated action to ensure compliance with policies
  - Control emails and attachments to prevent data leakage
  - Distribute, secure and manage mobile applications
  - Allow corporate documents on mobile devices securely
  - Filter and control access to the web and corporate intranet sites

## More Information

- Data Sheets
- Videos
- Case Studies
- White Papers
- Free 30-day Trial

# Trusteer Mobile

***Risk-aware mobile application and risk-based mobile transaction assessment***



- **Challenge:** Compromised devices and applications create fraud risk and an insecure environment.
- **Solution:** Dynamically detect device risk factors and capture the underlying device.

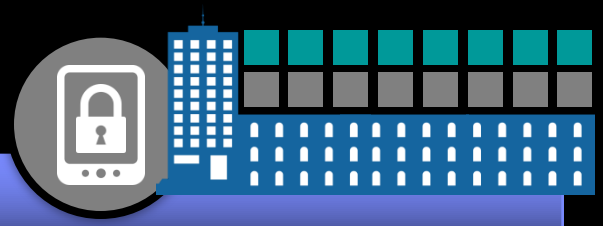
- **Key benefits**
  - Accurately detects device risk factors
  - Allows or restricts sensitive mobile application functions based on risks
  - Mobile transaction risk can be correlated with cross-channel risk factors to detect complex fraud schemes.
  - Promotes comprehensive risk assessment and secure application development
  - Helps secure transactions from devices to the back office
  - Integrates with IBM Worklight projects

## More Information

- Website
- Whitepaper
- Trusteer Mobile SDK
- Trusteer Mobile App

# IBM Security AppScan 9.0

***Static, dynamic and interactive application security testing***



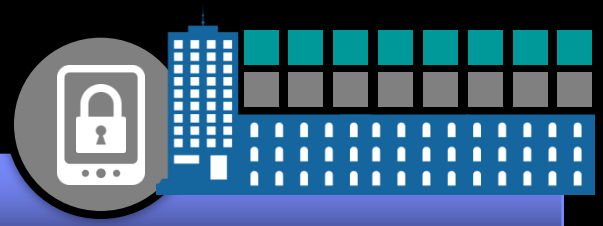
- **Challenge:** Build in security during development of an application as well as assess the security of existing applications.
- **Solution:** Mitigate application security risk and establish policies, scale testing and prioritization and remediation of vulnerabilities.
- **Key benefits**
  - Promotes secure mobile application development
  - Provides enhanced mobile application scanning
  - Delivers comprehensive application security assessments to measure and communicate progress to stakeholders
  - Prioritizes application assets based on business impact and highest risk
  - Integrates with IBM Worklight projects

## More Information

- Free Trial
- Client Brochure
- Analyst Report
- Solution Brief

# IBM Worklight

***Build and manage mobile applications with security***



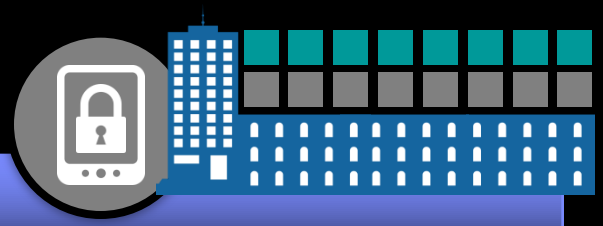
- **Challenge:** Create an open, comprehensive, secure platform that manages HTML5, hybrid and native mobile apps.
- **Solution:** Secure the application, reduce both development and maintenance costs, improve time-to-market and enhance mobile app governance and security.
- **Key benefits**
  - **Support multiple mobile operating environments and devices** with the simplicity of a single, shared code base
  - **Connect and synchronize** with enterprise data, applications and cloud services
  - **Safeguard mobile security** at the device, application and network layer
  - **Govern your mobile app portfolio from a central interface**

## More Information

- Website
- Case Study
- Datasheet

# IBM Security Access Manager for Mobile 8.0

***Safeguard mobile, cloud and social interactions***



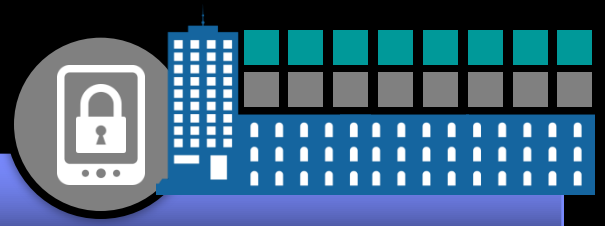
- **Challenge:** Provide secure access to mobile apps and reduce the risks of user access and transactions from the mobile devices.
- **Solution:** Deliver mobile single sign-on and session management, enforce context-aware access and improve identity assurance.
- **Key benefits**
  - Protects the enterprise from high risk mobile devices by integrating with **Trusteer** Mobile SDK
  - Built-in support to seamlessly authenticate and authorize users of **Worklight** developed mobile applications
  - Enhances security intelligence and compliance through integration with **QRadar** Security Intelligence
  - Protects web and mobile applications against OWASP Top 10 web vulnerabilities with integrated **XForce** threat protection
  - Reduces TCO and time to value with an **"all-in-one"** access appliance that allows flexible deployment of web and mobile capabilities as needed

## More Information

- Website
- Whitepaper
- Datasheet
- Demo Video
- Webinar

# IBM QRadar Security Intelligence

***Automation, intelligence and integration provide visibility and clarity to defeat advance threats and spot malicious insiders***



- **Challenge:** Prioritize security events that require further investigation.
- **Solution:** Use event correlation to identify high probability incidents and eliminate false positive results.
- **Key benefits**
  - Document user, application and data activity to satisfy industry and governmental compliance reporting requirements
  - Protect private data and intellectual property by detecting advanced persistent threats and other malicious activities
  - Inspect network device configurations, visualize connections and perform attack path simulations to understand assets at risk
  - Perform scheduled and real time asset vulnerability scanning and prioritization to apply available patches and stay ahead of possible attacks

## More Information

- Executive Guide
- Platform Data Sheet
- Managing Risks
- PCI Compliance

# Thank You

www.ibm.com/security