IBM**SoftwareNetwork**2013 Fare partnership con il Software IBM

Roma, 24 - 25 gennaio 2013

Soluzioni per una Customer Experience efficace e appagante





AGENDA

- Il portale: storia di una vision
- Cosa ha scritto chi e quando? La gestione dei contenuti
- Posso usare il mio tablet? La gestione dei dispositivi mobili
- 11:00 Break
- Freeze police La sicurezza
- Scotty beam me up: trasformare un e-commerce in un \$ocial commerce



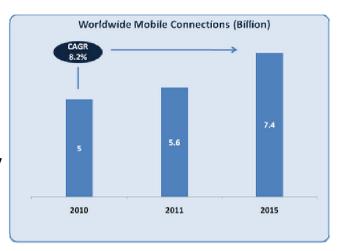
Due Aspetti fondamentali

- La sicurezza in ambito mobile
 - BYOD
 - Apps
 - Network access
- La sicurezza in ambito applicativo
 - Web application
 - Mobile applications
 - Third party sw integration

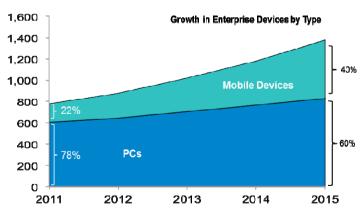


Mobile facts

- Mobile devices are pervasive in our daily lives and increasingly coming to work
- Chief Information Security Officers (CISOs) turn to IBM to help them manage the risks associated with mobility
- Mobile Security market is large and growing rapidly (approx. \$900M, CAGR >35%)
- ➤ IBM is committed to delivering on its secure mobile enterprise vision
- Compelling IBM Mobile Security Solutions that help customers address their challenges holistically
 - Mobile Device Management
 - > Access Management of mobile users and their devices
 - Application Security achieved by employing vulnerability testing
 - Security Intelligence
- Mobile Security will drive demand for existing assets in our security portfolio



5.6 Billion connections growing to 7.4 by 2015
- Gartner



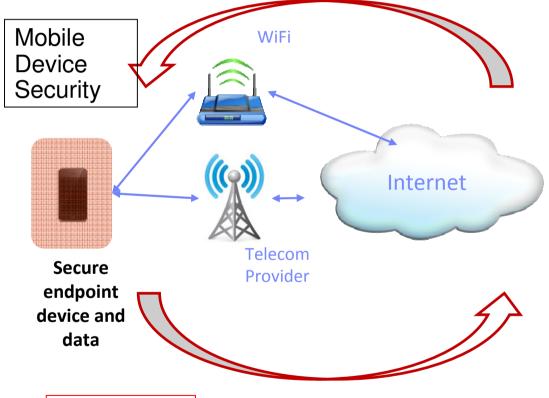
By 2015 40% of Enterprise devices will be mobile devices

- IBM Projection



What is Mobile Security?

Mobile App/Data Security



Mobile apps

Web sites

Develop, test and deliver safe applications

Mobile Security Intelligence Achieve Visibility and Enable Adaptive Security Posture

Mobile Access Security



Secure access to enterprise applications and data

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Mobile Security Solutions IBM Has to Offer

Achieve Visibility and Enable Adaptive Security Posture

IBM QRadar

System-wide Mobile Security Awareness Risk Assessment Threat Detection

Secure Data and the Device

IBM WorkLight

Runtime for safe mobile apps Encrypted data cache App validation

IBM Endpoint Manager for Mobile

Configure, Provision, Monitor Set appropriate security policies Enable endpoint access Ensure compliance

Protect Access to Enterprise Apps and Data

IBM Security Access Manager for Mobile (TAMeb)

Authenticate & authorize users and devices

Standards Support: OAuth, SAML, OpenID

Single Sign-On & Identity Mediation

IBM Mobile Connect

Secure Connectivity
App level VPN

Develop and Test Mobile Apps

IBM WorkLight

Develop safe mobile apps Direct Updates

IBM AppScan for Mobile

Vulnerability testing Dynamic & Static analysis of Hybrid and Mobile web apps









Trends in Enterprise Mobility ...

The need for business agility along with changing employee behaviors will require enterprises to mitigate operational risk associated with mobility

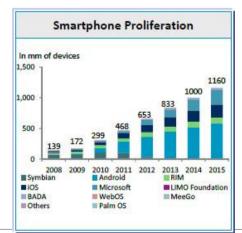
Number and Types of Devices are Evolving

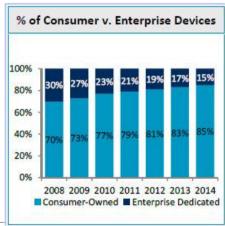
Mobility is Driving the "Consumerization" of IT

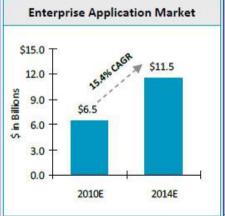
Increasing Demand for Enterprise Applications

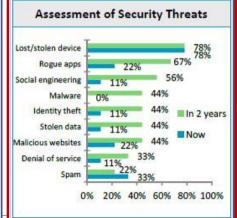
Security Requirements Becoming More Complex

- ➤ 1 Billion smart phones and 1.2 Billion Mobile workers by 2014
- Large enterprises
 expect to triple their
 smartphone user base
 by 2015
- ➤ 46% of large enterprises supporting personally-owned devices
- Billions of downloads from App Stores; longer term trend for app deployment
- 20% of mobile workers are getting business apps from app stores today
- > 50% of organizations plan to deploy mobile apps within 12 months
- > Threats from rogue applications and social engineering expected to double by 2013
- 50% of all apps send device info or personal details









Uniqueness of Mobile

Mobile Devices are Shared More Often

Smartphones and tablets are multi-purpose personal devices. Therefore, users share them with friends, and family more often than traditional computing devices – laptops and desktops. Social norms on privacy are different when accessing filesystems vs. mobile apps



Mobile Devices are Used in More Locations

Smartphones and tablets are frequently used in challenging wireless situations that contrast with laptop friendly remote access centers.
Laptops are used in a limited number of trusted locations







Mobile Devices prioritize User Experience

Smartphones and tablets place a premium on user experience and any security protocol that diminishes the experiences will not be adopted or will be circumvented. Workstation level security cannot be assumed unless they are dedicated devices



Mobile Devices have multiple personas

Smartphones and tablets may have multiple personas – entertainment device, work tool, etc. Each persona is used in a different context. Users may want to employ a different security model for each persona without affecting another.



Mobile Devices are Diverse

Smartphones and tablets employ a variety of different platforms and have numerous applications aimed at pushing the boundaries of collaboration. The standard interaction paradigms used on laptops and desktops cannot be assumed.



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Challenges of Enterprise Mobility



Security and Privacy cited as the number one mobile adoption concern

- 2011 IBM Tech Trends Report

- Adapting to the Bring Your Own Device (BYOD) to Work Trend
 - Device Management and Security
 - > Application management
- Achieving Data Separation
 - Privacy
 - Corporate Data protection
- Providing secure access to enterprise applications
 & data
 - Secure connectivity
 - Identity, Access and Authorization
- Developing Secure Mobile Apps
 - Vulnerability testing
- Designing an Adaptive Security Posture
 - Policy Management
 - Security Intelligence













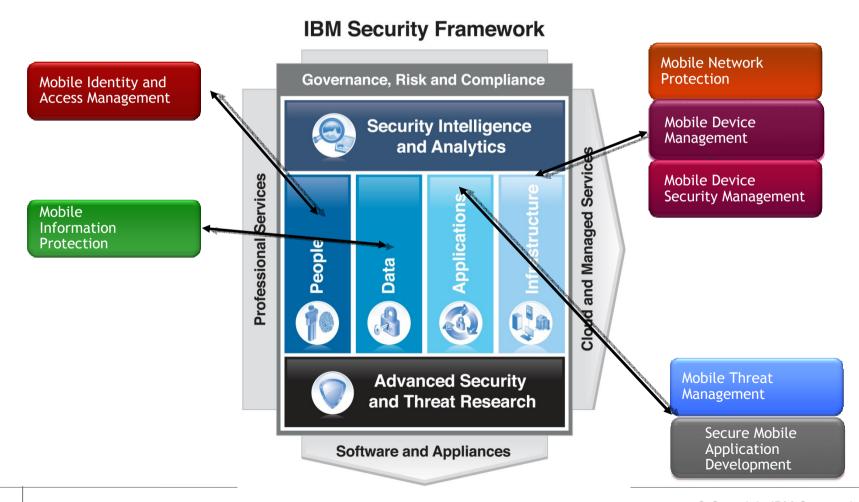
... Driving Key Set of Mobile Security Requirements

Mobile devices are not only computing platforms but also communication devices, hence mobile security is multi-faceted, driven by customers' operational priorities



Mobile Security Enabled with IBM Solutions

IBM can bring together a broad portfolio of technologies and services to meet the mobile security needs of customers across multiple industries











Application Security Solution: WorkLight



Security by Design

- ✓ Develop secure mobile apps using corporate best practices
- ✓ Code Obfuscation



Protecting Mobile App Data

- ✓ Encrypted local storage for data,
- √Offline user access
- √ Challenge response on startup
- ✓ App Authenticity Validation
- ✓ Enforcement of organizational security policies



Enforcing Security Compliance

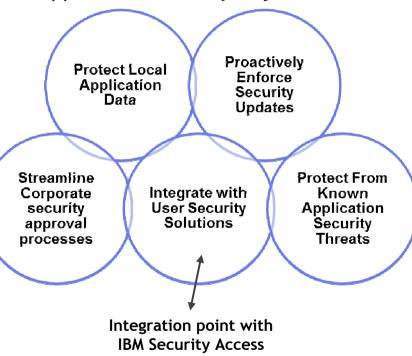
- ✓ Direct Updates
- ✓Integration with User Security Solutions



App Management

- ✓ Analytics
- ✓ Remote Disabling of apps

Application Security Objectives



Management (TAMeb)



Application Security Solution: AppScan

Detection of Vulnerabilities before Apps are Delivered and Deployed

- •Known vulnerabilities can be addressed in software development and testing
- •Code vulnerable to known threat models can be identified in testing
- Security designed in vs. bolted on

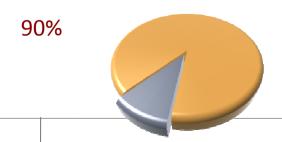
Leverage AppScan for vulnerability testing of mobile web apps and web elements (JavaScript, HTML5) of hybrid mobile apps

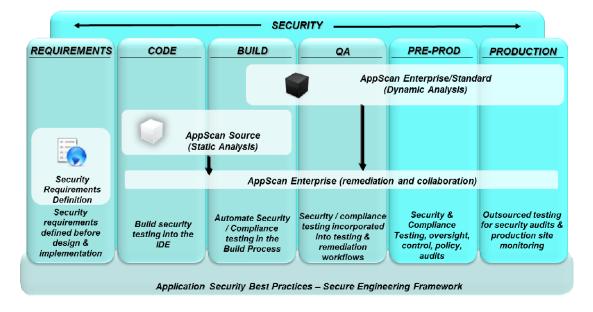
Apps vulnerable To Client-side JavaScript vulnerabilities





Applications with issues in 3rd Party JavaScript code



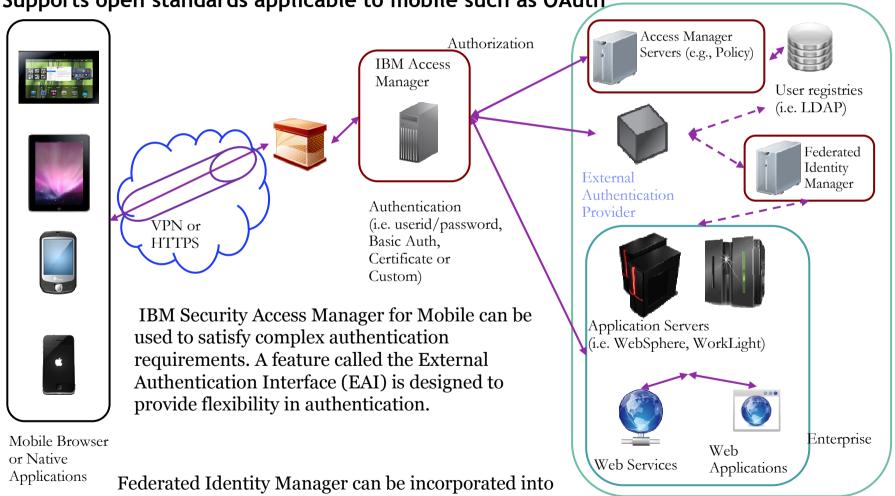


User Security Solution: IBM Security Access Manager for

Mobile (current product name: Tivoli Access Manager for e-business -TAMeb)

Delivers user security by authenticating & authorizing the user along with their device.

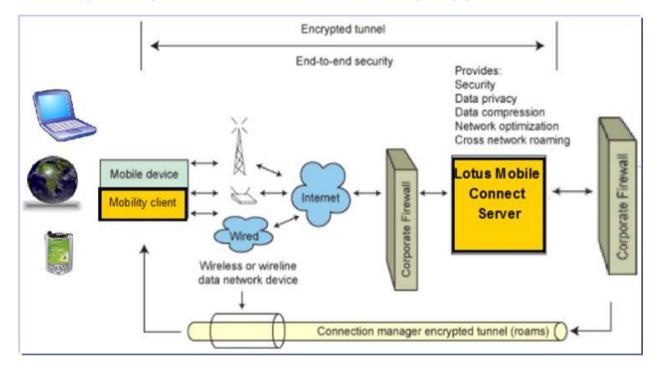
Supports open standards applicable to mobile such as OAuth





Solution: IBM Mobile Connect

Delivers secure connectivity from mobile devices to back-end systems and adapts to a mobile user's unique requirements such as roaming support and cost-based routing



A high availability intelligent solution providing:

- ✓ Mobile VPN
 - ✓ SSL VPN
- ✓ Least cost routing & data optimization
- ✓ End-to-end encryption

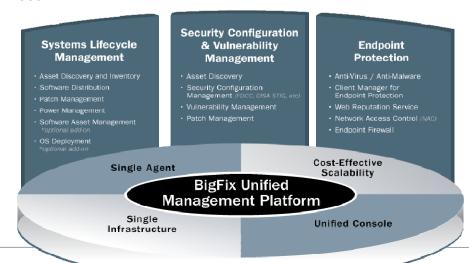


Device Security Solution: IBM Endpoint Manager For Mobile

Delivers device security by providing visibility of the devices connected to the enterprise, and supports core capabilities such as device lock, selective wipe and jailbreak detection.

A highly-scalable, unified solution across platforms, device types, and IT functions providing:

- Near-instant deployment of new features and analytics reports in to customer's environments
- A unified systems and security management solution for all enterprise devices
- Platform to extend integrations with Service Desk, CMDB, SIEM, and other information-gathering systems to mobile devices



- Advanced mobile device management capabilities for iOS, Android, Symbian, and Windows Phone
- Unified management approach capable of automatically enabling VPN access based on security compliance
- Security threat detection and automated remediation
- Will be used internally, extending IBM's existing 500,000 device endpoint management deployment



Mobile Security Intelligence: QRadar

Delivers Mobile Security Intelligence by monitoring data collected from other mobile security solutions - visibility, reporting and threat detection

- ➤ Unified collection, aggregation and analysis architecture for:
 - Application logs
 - Security events
 - o Vulnerability data
 - Identity and Access Management data
 - Configuration files
 - Network flow telemetry
- ➤ A common platform for
 - Searching
 - Filtering
 - Rule writing
 - Reporting functions
- ➤ A single user interface for
 - o Log management
 - Risk modeling
 - o Vulnerability prioritization
 - Incident detection
 - Impact analysis tasks

- ❖ Ingest log data and events from:
 - ✓ Endpoint Manager for Mobile Devices
 - ✓ Access Manager for Mobile
 - ✓ Mobile Connect
 - ✓ WorkLight





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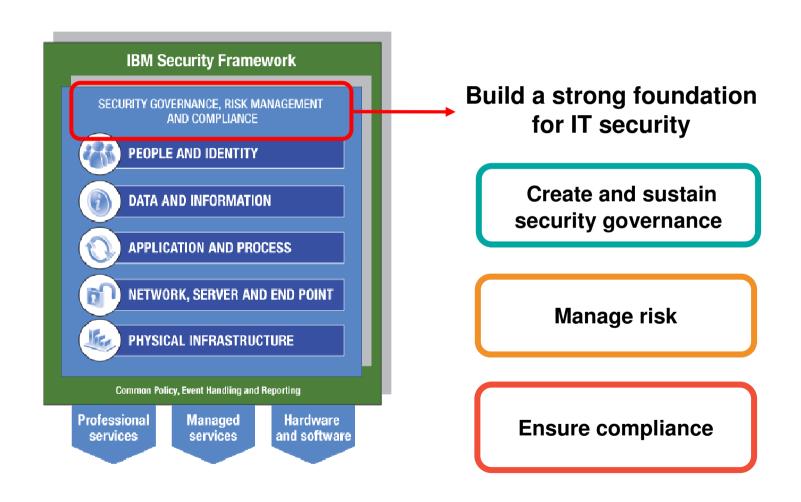






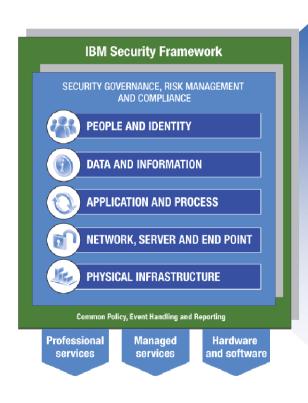


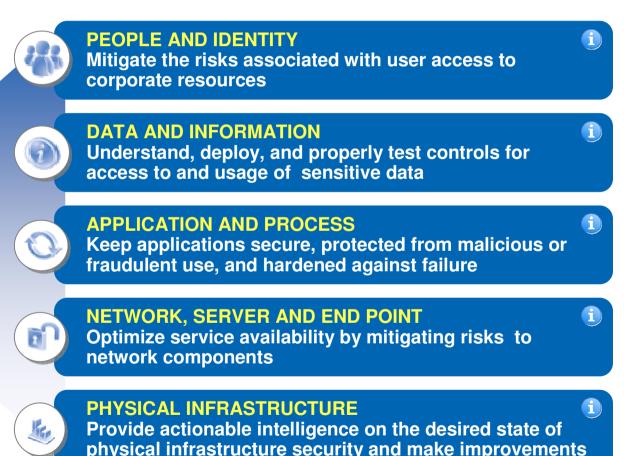
IBM Security Framework helps you address key challenges of cost, complexity and compliance





The Framework identifies five security focus areas as starting points







for more information



IBM Security portfolio can help you meet challenges in each security focus area

Framework

Challenges



- Manage identities
- Control access to applications
- Audit, report and manage access to resources



- DATA AND INFORMATION
- Protect Critical Databases
- Messaging Security and Content Filtering

- Monitor & manage data access
- Prevent Data Loss
- Encryption



- APPLICATION
 AND PROCESS
- Ensure Security in App Development
- Discover App Vulnerabilities
- Embed App Access Controls
- Provide SOA Security



- NETWORK,SERVERS& ENDPOINTS
- Protect Servers, Endpoints, Networks, Mainframes



- PHYSICAL INFRASTRUCTURE
- Video Surveillance
- Command and Control

Video Analytics



Click



for more information



JBM Web application security for a smarter planet

Secure code development and vulnerability management

Rational

AppScan

- Identify vulnerabilities and malware
- Actionable information to correct the problems

End-to-end Web application security

Deliver security and performance in Web services and SOA

Purpose-built XML and SOA solutions for security and performance

Datapower

Protect Web applications from potential attacks

- Block attacks that aim to exploit Web application vulnerabilities
- Integrate Web application security with existing network infrastructure

ISS IPS

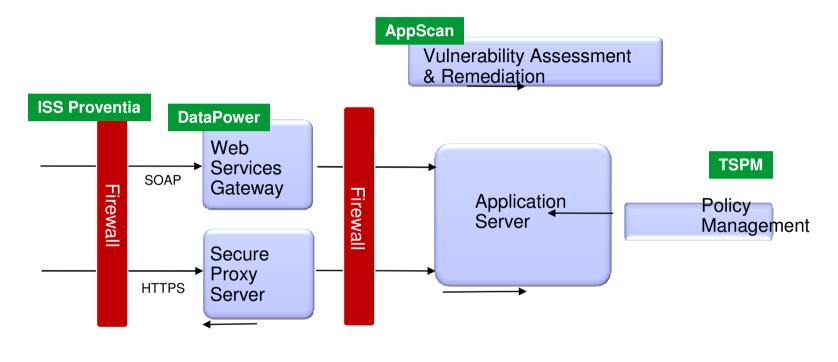
Tivoli I&AM

Manage secure Web applications

 Ongoing management and security with a suite of identity and access management solutions



JBM Security Solutions End-to-End Application Coverage





TAM = Tivoli Access Manager
TSPM = Tivoli Security Policy Manager
DataPower = Secure XML Gateway