Pulse IBM SolutionsConnect 2013

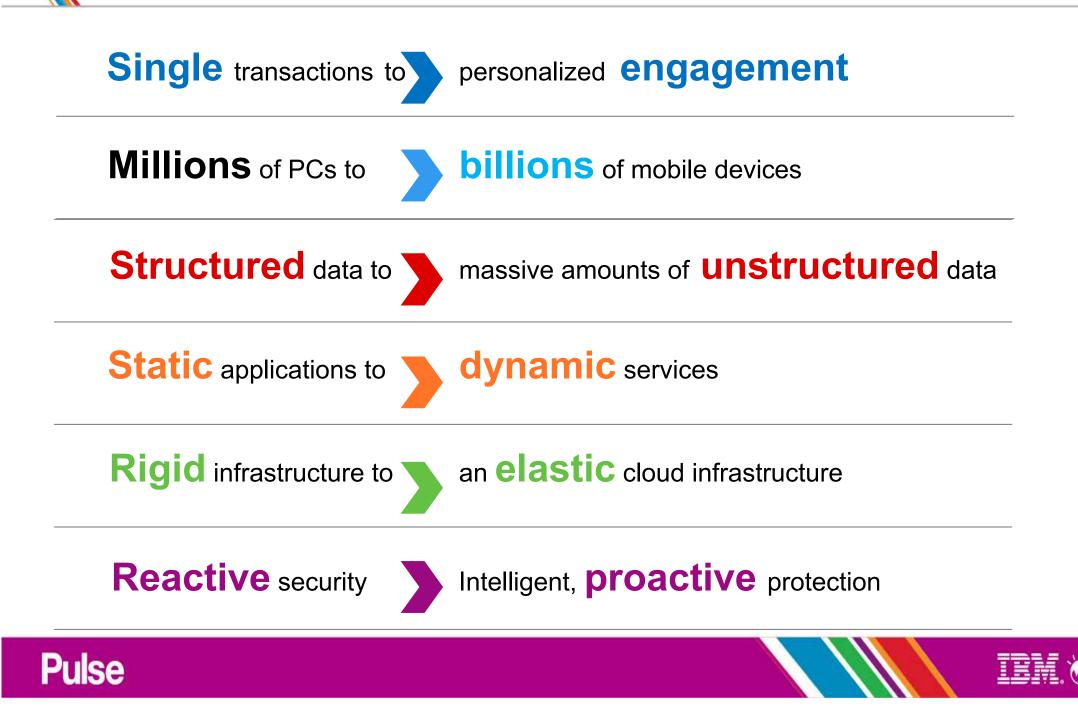
Mobile Device Management trends and roadmap

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In the New Computing Era, We Have Moved From...



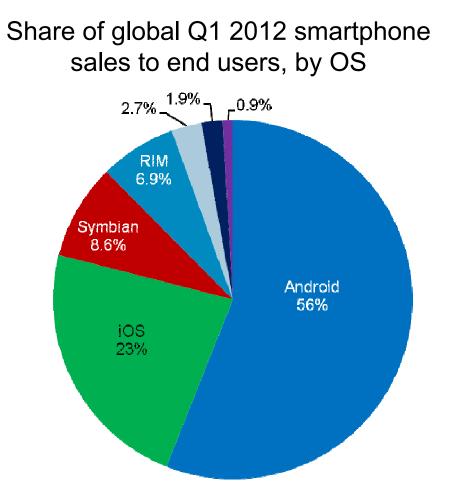


5 Trends with significant implications for the enterprise

1	Mobile is primary 91% of mobile users keep their device within arm's reach 100% of the time
2	Insights from mobile data provide new opportunities 75% of mobile shoppers take action after receiving a location based messages
3	Mobile is about transacting 96% year to year increase in mobile cyber Monday sales between 2012 and 2011
4	Mobile must create a continuous brand experience 90% of users use multiple screens as channels come together to create integrated experiences
5	Mobile enables the Internet of Things Global Machine-to-machine connections will increase from 2 billion in 2011 to 18 billion at the end of 2022







■ Android ■ iOS ■ Symbian ■ RIM ■ Bada ■ Microsoft ■ Others

Source: Gartner 2012; does not include media tablets

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- Android and iOS accounted for 79% of all smartphone shipments
- Many employees want to use their devices to access work information
- Mobile devices offer significant advantages for companies
- 'Halo effect' of Apple Mac's
- Before companies can realise the benefits of mobile devices, they need to be able to manage the associated risks



IT manages risks by maintaining control points

Control the Device

Enterprises provide all equipment

Control the Complexity

Small set of supported platforms / models

Control the OS

Operating systems configured, managed, and updated by IT

Control the Apps

IT controls which apps are allowed and the configuration

Control the Network

Network traffic controlled with proxies and web filters















With BYOD, IT loses control

X Control the Device

Employees bring personal devices (BYOD)

K Control the Complexity

Many different combinations of devices and OSes



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OS version and upgrades managed by carriers, OEMs, users

Control the Apps

Apps updated automatically by App Stores and users

Control the Network

Devices connect through 3G/4G, WiFi,









- **450,000 IBM employees** in over 120 countries.
- Deployment to over 1,000,000 endpoints
- A **78 per cent decrease** in endpoint security issues
- IBM is also in the process of deploying IBM Endpoint Manager for Mobile Devices across its entire mobile workforce of over 120,000 staff
- IBM Endpoint Manager is being deployed across many global outsourced accounts
- BYOD with 200,000+ smartphones projected
- 2099+ Terabytes of WAN traffic per month





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Six steps IBM employees need to follow to keep their devices safe

- 1. Register your computer, tablet, and mobile devices with IBM
- 2. Use IBM's tools to secure and encrypt your computer, tablet, mobile device and storage devices
- 3. Don't mix IBM data with non-IBM clouds
- 4. Declare public wireless networks untrusted
- Know if you qualify to use a personally-owned device for specific IBM business purposes
- 6. Report incidents on personally-owned technologies to IBM





Mobile Device Management

Services:

- Providing enterprise-wide visibility (eg. device details, apps installed, device location)
- Ensuring data security and compliance
- Device configuration
- Support devices on the Apple iOS, Google Android, Nokia Symbian, Microsoft Windows Mobile and Microsoft Windows Phone platforms

Benefits:

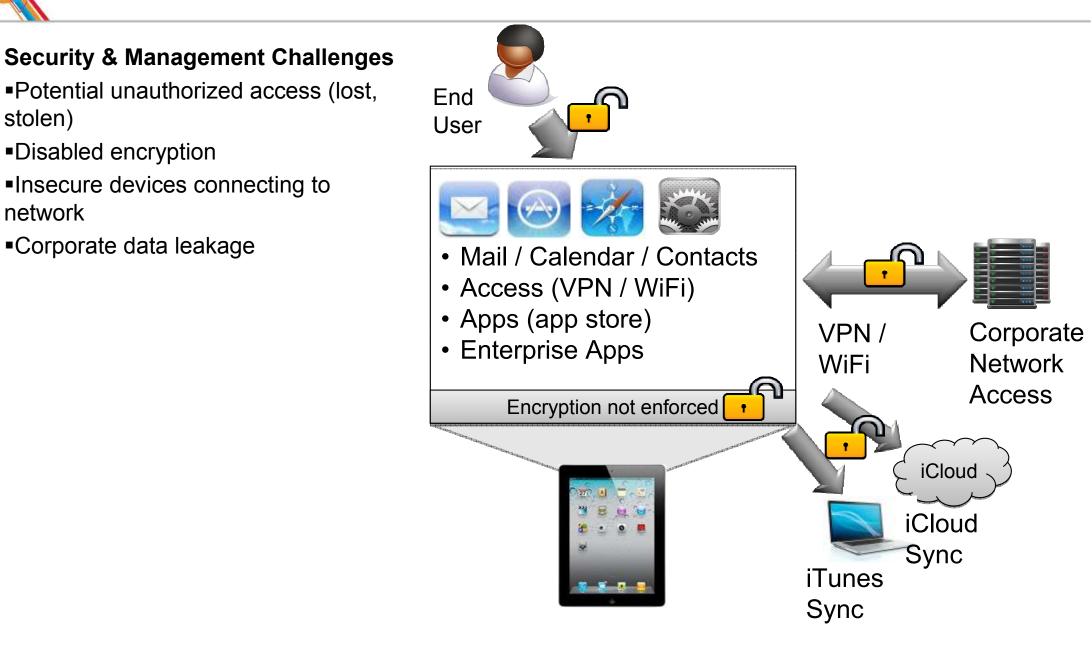
- Address business and technology issues of security, complexity and bring your own device (BYOD) in mobile environments
- Manage enterprise and personal data separately with capabilities such as selective wipe
- Leverage a single infrastructure to manage all enterprise devices smartphones, tablets, desktops, laptops and servers

Apple iOS Google Android

Nokia Symbian Windows Phone, Windows Mobile & Blackberry 10

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Managing Mobile Devices – The Problem



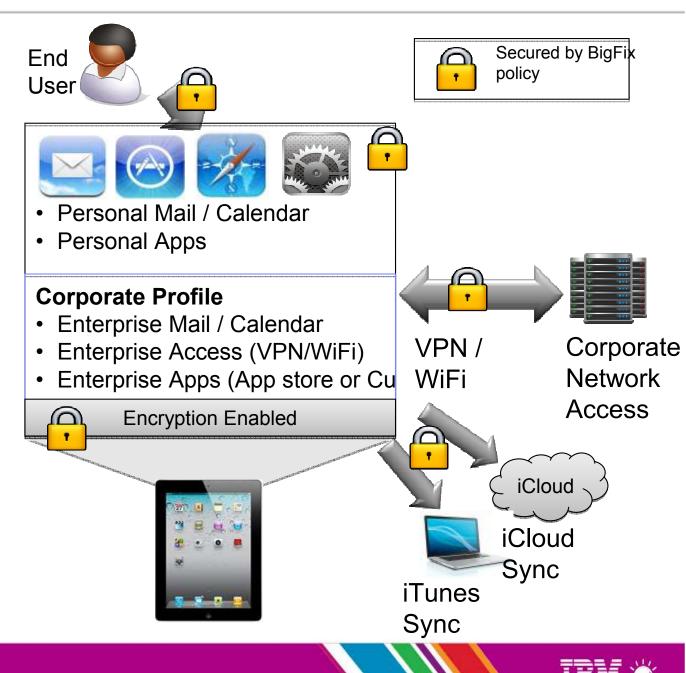




Managing Mobile Devices – The Solution

Endpoint Manager for Mobile Devices

- Enable password policies
- Enable device encryption
- Force encrypted backup
- Disable iCloud sync
- Access to corporate email, apps, VPN,
 WiFi contingent on policy compliance!
- Selectively wipe corporate data if employee leaves company
- Fully wipe if lost or stolen







Apple iOS, Google, Nokia Symbian, Windows Phone, Windows Mobile Android
Selective/full wipe, deny email access, remote lock, user notification, clear passcode
Application inventory, enterprise app store, iOS WebClips, whitelisting/blacklisting
Password policies, device encryption, jailbreak/root detection, disable iCloud
Track devices and locate on map
Configuration of Email, VPN, Wi-Fi, Authenticated Enrollment, Self Service Portal
Enable/disable voice and data roaming
Office 365 support
Email Container: Nitrodesk Touchdown & App Container: Enterproid Divide







• Advanced management on iOS through Apple's MDM APIs



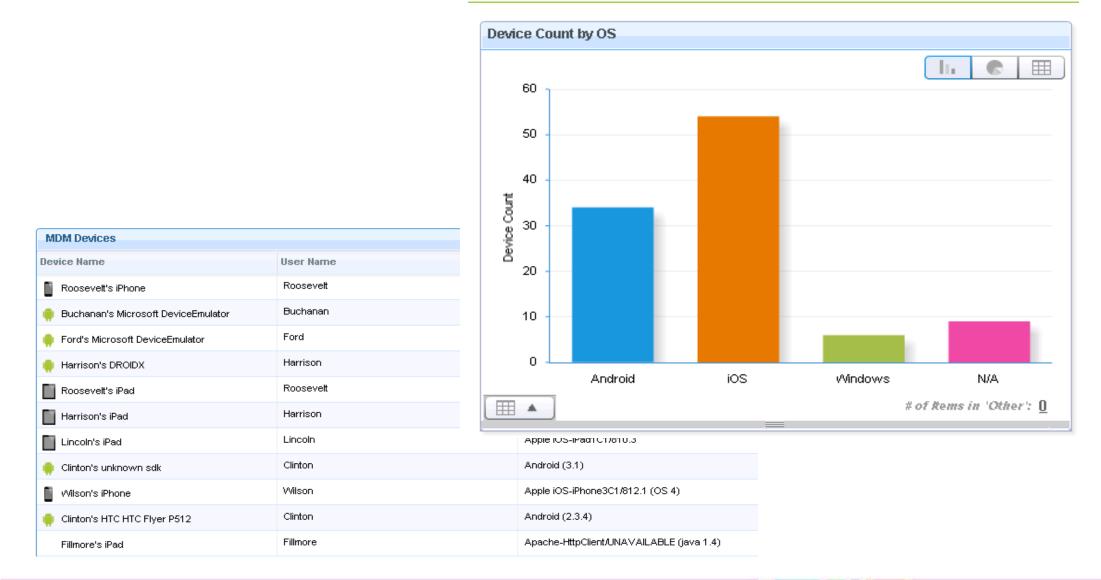
• Advanced management on Android through a BigFix agent



- Email-based management through Exchange (ActiveSync) and Lotus Traveler (IBMSync)
 - iOS
 - Android
 - Windows Phone
 - Windows Mobile
 - Symbian

Apple iOS Google Android Nokia Symbian Windows Phone, Windows Mobile & Blackberry 10



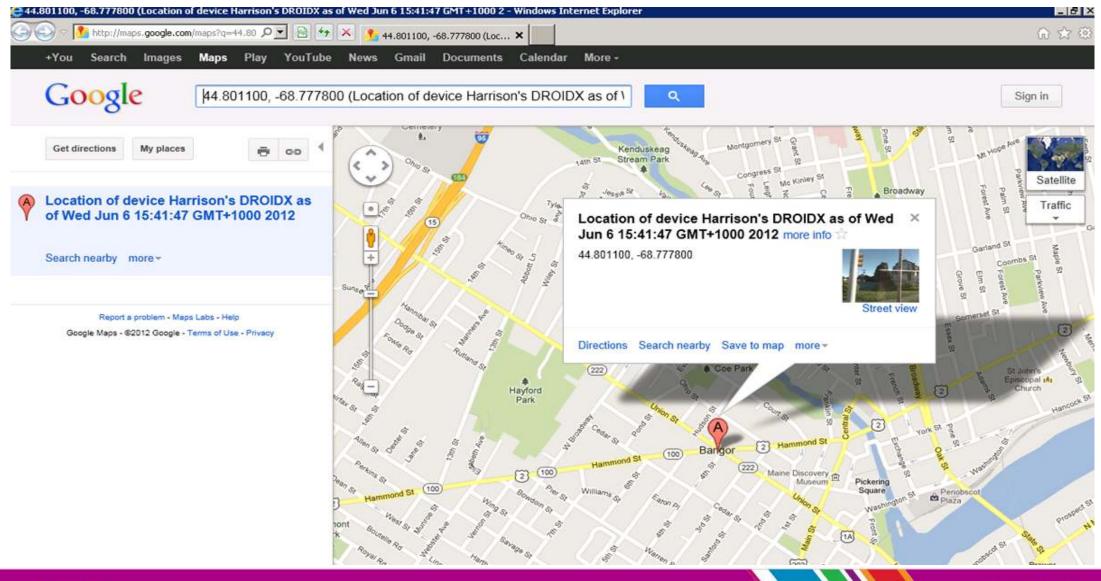


Mobile Device Overview





A "Single Device View" enables administrators and helpdesk personnel to easily view device details and take required action



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Secure & Safe App Usage: Your own "Enterprise AppStore"









User-friendly iOS Profile Configuration Wizard exposes all capabilities of Apple's MDM-API's

Profile Details				
Identity	Passcode			
Require passcode on device Enforce the use of a passcode before using device				
		simple value the use of repeating, ascending, and descending charcter sequences		
		re alphanumeric value e passcodes to contain at least one letter		
4		um password length st number of passcode characters allowed		
1		um number of complex characters st number of non-alphanumeric characters allowed		
90		num passcode age (1-730 days, or none) Ifter which passcode must be changed		
1		ock (1-5) minutes, or 0 for none automatically locks when time period elapses		
4		ode history (1-50 passcodes, or 0 for none mber of unique passcodes required before reuse		
None		period for device lock at of time device can be locked without prompting for passcode on unlock		
10		num number of failed attempts or of passcode entry attempts allowed before all data on device will be erased		
		🖹 Exit New Profile Mode 📑 Save Profile		





A flexible enrollment process can include an EULA and collect critical device and employee data via customizable questions

IBM. Mobile Device Enrollment

Enrollment Questions

Please answer the following questions

Device ownership *

I own this device

My organization owns this device

Department

Development

Full-time employee

Please explain why you want to be managed by MDM

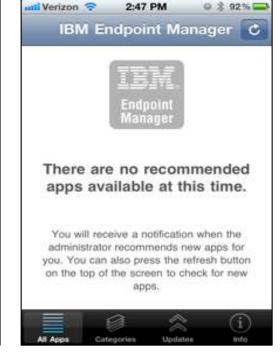
awesome MDM solution. It must be used for good and not for evil. Here are the awesome terms for this awesome MDM solution. It must be used for good and not for evil. Here are the awesome terms for this awesome MDM solution. It must be used for good and not for evil. Here are the awesome terms for this awesome MDM solution. It must be used for good and not for evil. Here are the awesome terms for this awesome MDM solution. It must be used for good and not for evil. Here are the awesome terms for this awesome MDM solution. It must be used for good and not for evil. Here are the awesome terms for this awesome MDM solution. It must be

I agree

Contact support

Submit Cancel









Authenticated Enrollment and Self Service portal

EM.

Phone Number Agent Version

IBM. Mobile Device Enrollment

Login Device Details iOS Profiles Actions Apps Security Please enter your Username and Password Device Commands Email * Lock Screen Show Command History Clear Passcode Show Command History vtdarryl@home.int Device Wipe Show Command History Password * D Login Device Name vtdarryl's iPhone 8.2.20003 User Name vtdarryl@home.int Operating System 4 iOS 5.1.1 Model iPhone 3GS Location -37.93267100000000 Last Report Time 7/26/2012 9:53:27 PM Manufacturer Apple Carrier Telstra

+61412234918

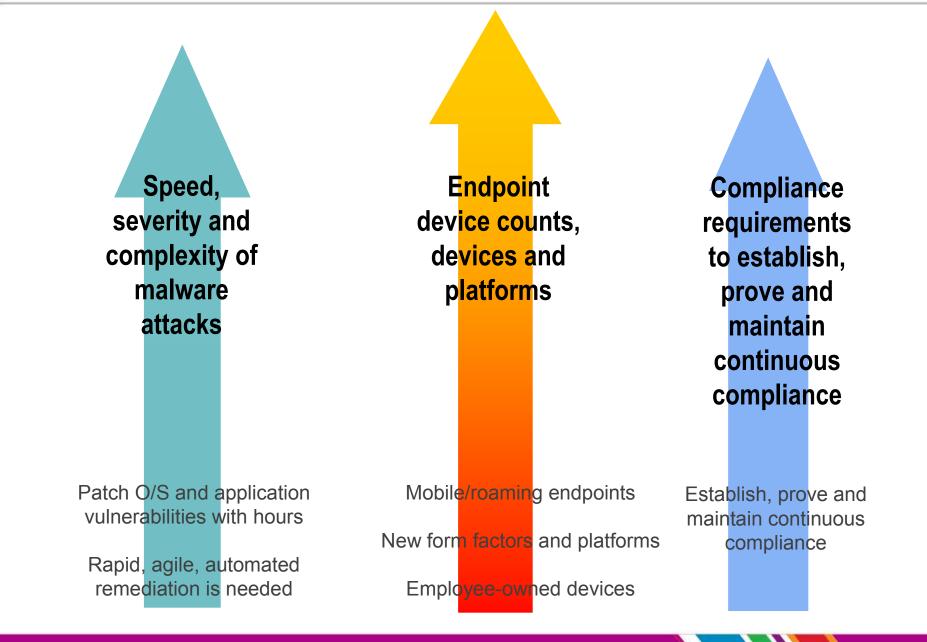
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Mobile Device Service Portal



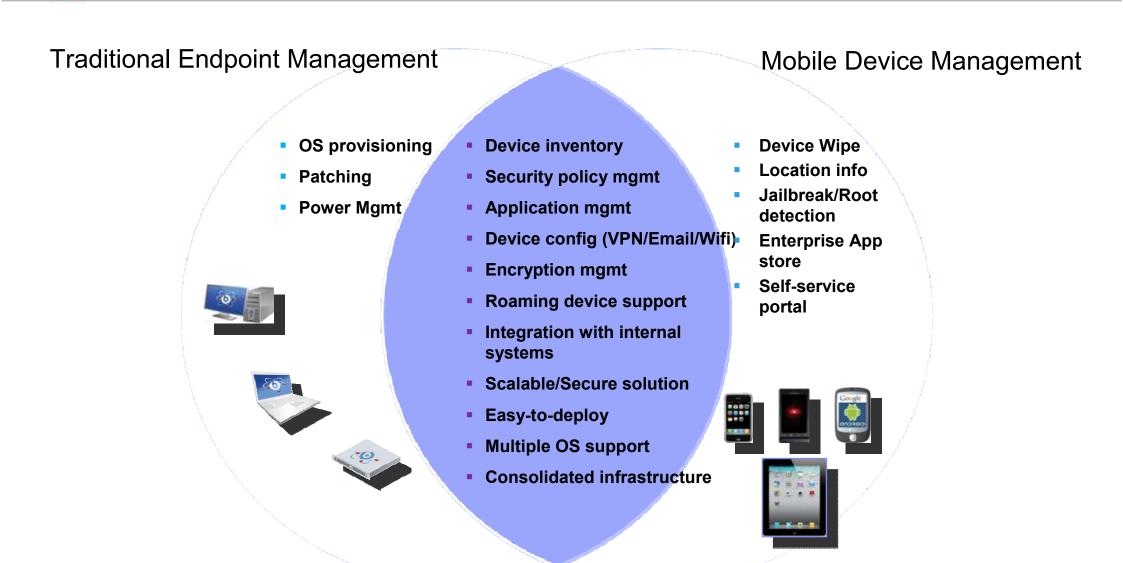


Endpoint complexity continues to increase





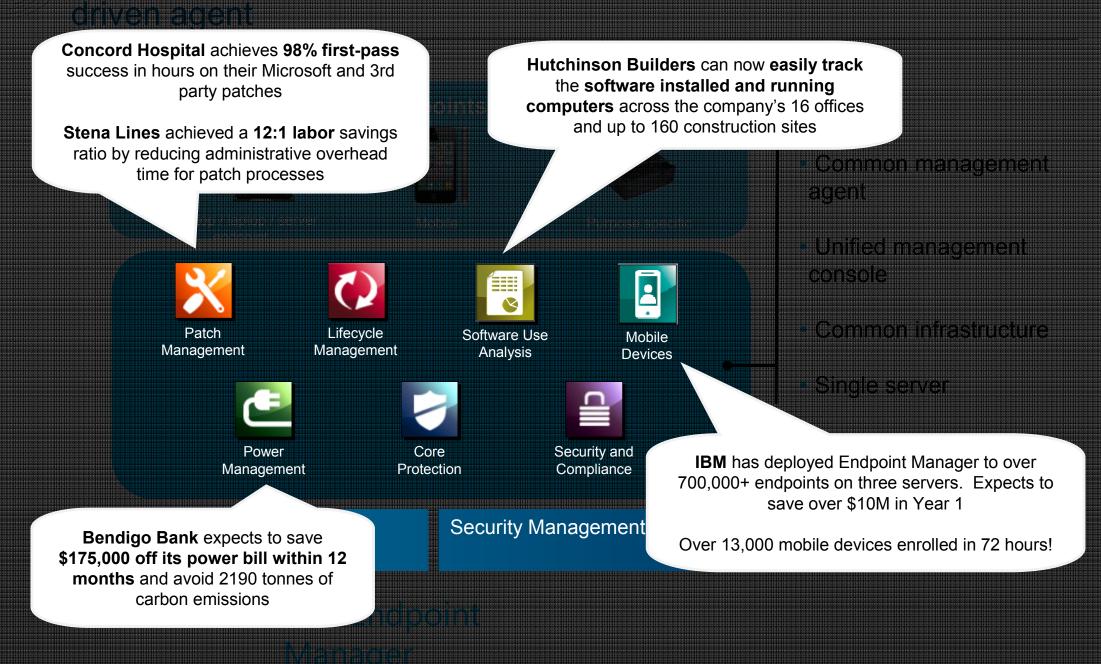








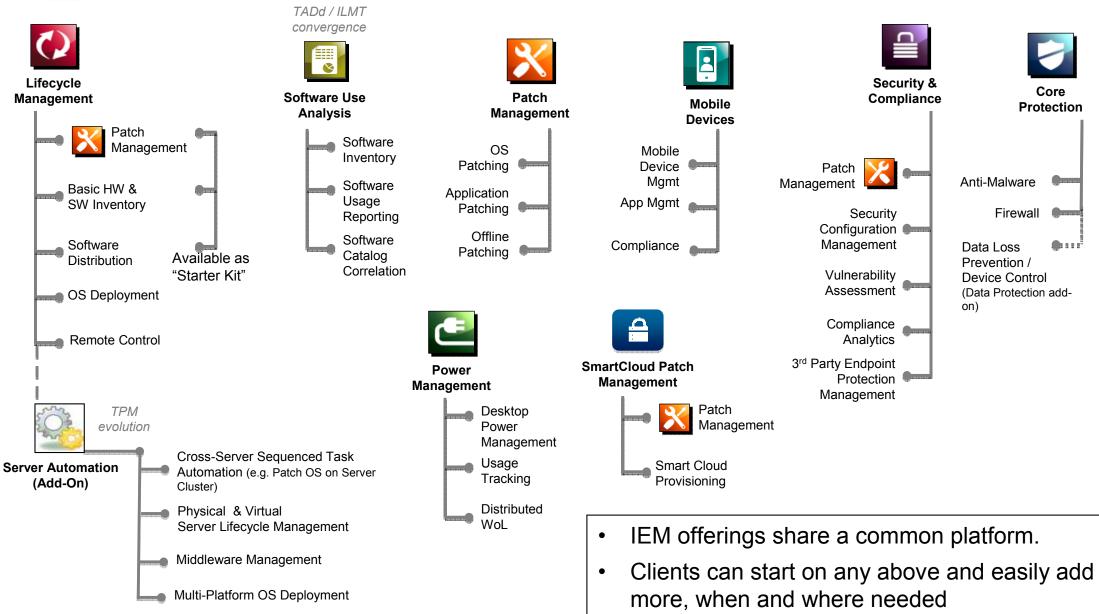
Why IBM Endpoint Manager ? single, policy



security of a le

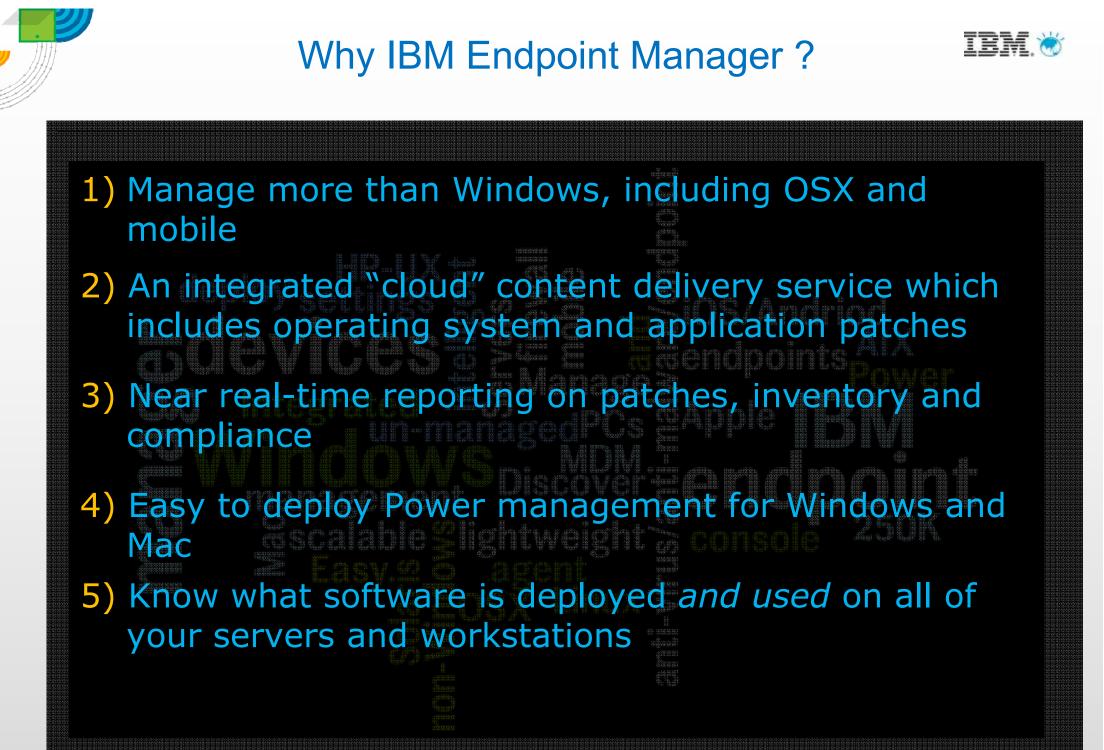


Unified Device Management: IEM Product Packaging & Capabilities

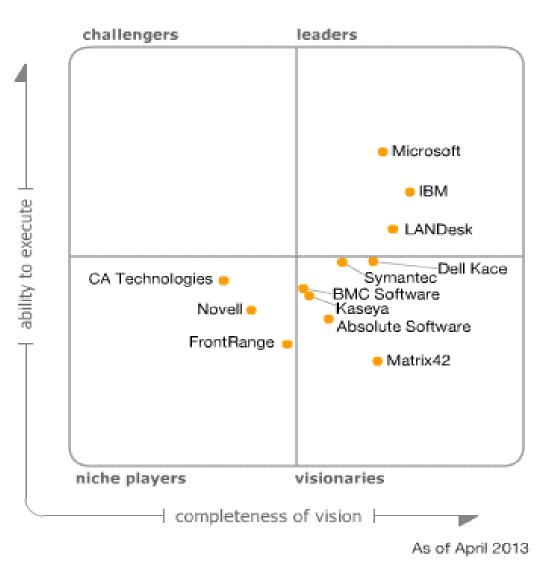








IBM Positioned In Leaders Quadrant

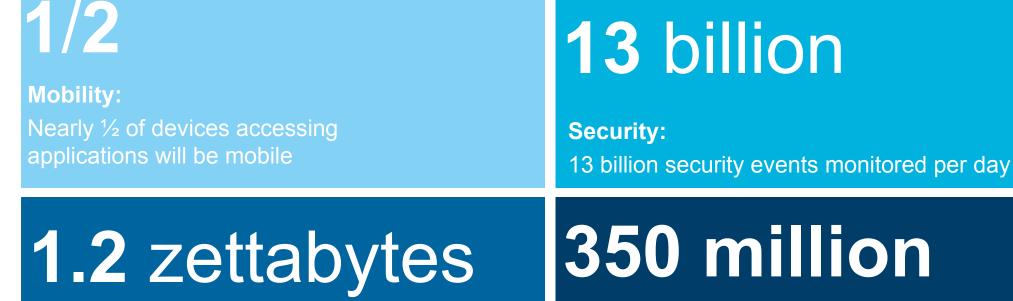


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More than MDM - New technology forces



Data:

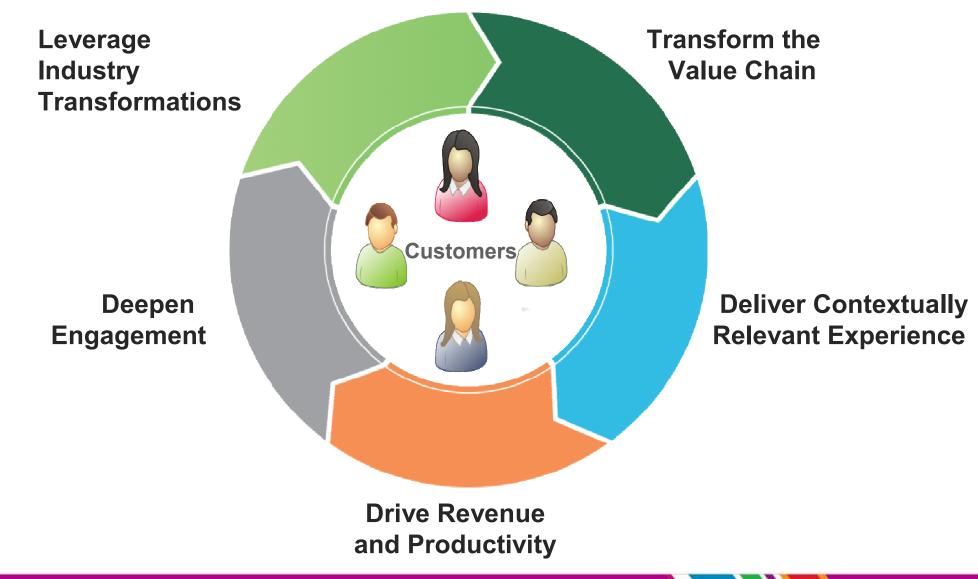
1.2 trillion gigabytes in the digital universe.

BYOD: BYOD users expected to double by 2014 to 350 million





Imagine the Opportunities for a Mobile-First Organization

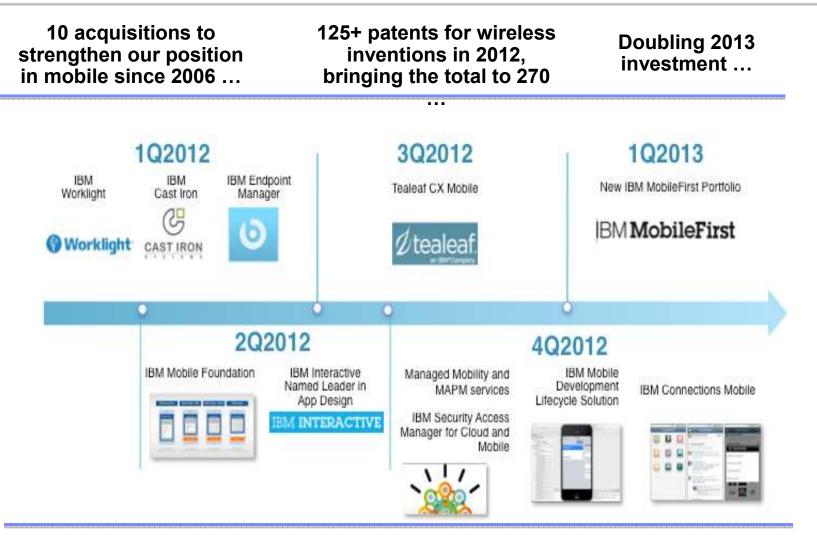








IBM Has Been Building comprehensive Mobile Enterprise Capabilities



200+ IBM Software apps available in App Stores; ~ 1M downloads ... Cited as a leader in app design and managed services by Forrester and Gartner ...





Announcing the Industry's Most Comprehensive Mobile Portfolio

IBM MobileFirst

2

The Broadest Portfolio of Mobile Solutions

The Deepest Set of Services Expertise New Industry Partnerships and Resources for Developers

B

Put Your **Business** in Motion.













IBM MobileFirst

The Broadest Portfolio of Mobile Solutions

- Automated testing for high quality apps **IBM Rational Test Workbench Beta**
- Single sign-on & support for latest platforms

Worklight 5.0.6

 Scale to millions of connections & messages

IBM Messaging Appliance

 Federal FIPS 140-2 certified & support for latest platforms

IBM Endpoint Manager for Mobile Devices

- Identify security vulnerabilities in iOS apps IBM AppScan 8.next
- Gain complete visibility of mobile customers experiences across website, hybrid and native apps

Tealeaf CX Mobile 8.7

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The Deepest Set of Services Expertise

- Best Practices IBM Mobile Maturity Model
- IBM Interactive Design Services for Mobile
- New IBM Mobile Client Workshops
- Innovation Workshop (Free 1-day workshop)
- Discovery Workshop
- Mobile Strategy Accelerator
- Mobile Infrastructure Strategy & Planning

New Industry 3 Partnerships and **Resources for Developers**

- IBM technology to be deployed to Nokia Siemens Networks base stations **ASPN Solution**
- Innovative Partnerships AT&T and Apple
- New Resources for Developers
- New Ready for **IBM Mobile Program**
- New SVP Mobile Reseller Authorization



2500 Companies have chosen IBM's Mobile Cross Platform Capabilities: 240 in Nov / Dec '12









 IBM Endpoint Manager enables unified management of all enterprise devices – desktops, laptops, servers, smartphones, and tablets



 Real-time/proactive endpoint management: Patch management, antivirus/malware, power management and device location information

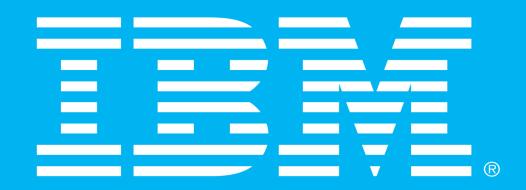


- Continuous compliance reduces costs and risk
- Power management
- Management of assets





Thank you



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How it Works

