



# Mobile Data Protection

Protecting Your Corporate Data When in the Hands of a Mobile Workforce



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# Background

- 75 % of US workers are mobile; One billion mobile workers worldwide\*
- 12,000 laptop were lost in US airports\*\*; 10,000 cell phones are left in London taxis per month\*\*\*
- 0.5 - 1 million users impacted by mobile malware in the first half of 2011
- “Bring your own device” or BYOD increasingly being adopted in enterprise\*\*\*\*
  - Nearly 80% of companies report an increase in BYOD requests in last 6 to 12 months
  - 66% of IT Managers have been under more pressure to increase compatibility with people's personal handsets in the workplace
- *"By 2014, the installed base of devices based on lightweight mobile operating systems, such as Apple's iOS, Google's Android, and Microsoft's Windows 8, will exceed the total installed base of all PC-based systems"\*\*\*\*\**

\* IDC

\*\* Ponemon Institute

\*\*\* The Register

\*\*\*\* [http://www.welcometogood.com/device\\_dilemma/device\\_dilemma.pdf](http://www.welcometogood.com/device_dilemma/device_dilemma.pdf)

\*\*\*\*\* Peter Sondergaard, Gartner, Inc



# Problem Statement

*With employees increasingly starting to access business applications like email, ERP, CRM, etc over their mobile devices, organizations will need to treat these devices as serious platforms that need to be protected from security risks.*



# Mobile Data Vulnerabilities

	Loss/ Theft	Data Corruption	Unauthorized Physical Access	Attacks
Laptops	✓	✓	✓	✓
Tablets	✓	✓	✓	✓
Smartphones	✓	✓	✓	✓
USB Drives	N/A	N/A	✓	✓

# Trustmark's Current Approach and Tools

- **Loss/Theft**

- Laptops (corporate) - Harddrive encryption using BitLocker and subscribed service called Utimaco
- Tablets (personal) - None
- Smartphone - None
- USB - None

- **Data Corruption**

- Laptops (corporate) - McAfee malware protection
- Tablets (personal) - None
- Smartphone - None



# Trustmark's Current Approach and Tools

- **Unauthorized Physical Access**

- Laptops (corporate) - Some laptops purchased with finger print readers, but not a standard requirement
- Tablets (personal) - None
- Smartphone - None
- USB - None

- **Attacks**

- Laptops (corporate) - McAfee malware protection
- Tablets (personal) - None
- Smartphone - None
- USB (using USB as attack vector) - None



# Preparing the Users and Infrastructure

- Improve user risk awareness and training
- New or revised policies and procedures that focus on Mobile devices
- RFP and Vendor selection
- Pilot implementation and testing
- Roll-out
- Post Implementation support

