Reducing Risk in Mobility

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Evolution of Mobility

Mobility of Yesterday

Email

Calendar

Voice

Mobility of Today
Expansion of Mobility and Risk

The greater an organization utilizes mobility, so too does the potential risk.

Organizations need to be able to assess their risk and build a security strategy that’s embedded into their mobility strategy.
Security as a Business Enabler

**SIMPLIFY**
- Identify, Characterize Risk and Stabilize
- Connected without Complexity

**CONNECT**
- Reach and Deliver Great Experiences
- Secure Anywhere, Anytime Access

**INNOVATE**
- Driving Opportunities and Growth
- Deliver innovation and confidence through Security

**TRANSFORM**
- Security Enabling Future and the Possibilities
- Customer-Driven Business Model
Mobility as a Business Enabler

Banking
- Bank balances
- Account transfers
- Check deposits
- Online Stock Trading
- Card-less ATM
- Photo bill pay

Airline Industry
- Mobile check-in
- Mobile boarding passes
- Inflight point of sale
- Electronic flight bags
- In-flight monitoring & maintenance
- In-flight Entertainment

Retail
- Mobile payments
- Point of sale terminals
- Loyalty / in store promotions
- Location Awareness
- Digital interactive signage
- Real-time transactions

Healthcare
- Tele-healthcare
- Diagnosis
- Treatment
- Follow-up care
- Wearable medical devices
Mezzoglobal

Helps luxury airline provide secure, streamlined tablet solution for in-flight entertainment

Saves tens of thousands of dollars in fuel costs annually

“Mezzoglobal’s app protects the latest Hollywood movies for showing on mobile devices used on commercial airlines. KNOX is a key pillar of our secure platform, preventing unauthorized access and media piracy.”
— Dave Sampson, CEO, Mezzoglobal
The Mobile-enabled Business

Supplier Ecosystem

Business Strategy / Governance

Technology / Architecture

People / Process

Customer Ecosystem
Hardware to application level security
Real-time device protection from the moment you turn it on
Management tools
Strict separation of personal and corporate apps and data
Kiosk Mode for single purpose devices

Secure Platform

Android Framework
Kernel
TrustZone
Bootloader
Hardware Root of Trust
User experience is critical for mobile applications as they are enabled in the palm of a hand.

Many of the devices’ security and productivity features work within application APIs.

Mobile applications need to be secure at deployment and throughout lifecycle.
People & Process

Too Little
- Bad things happen
- Company reputations are damaged
- Company financials are impacted
- People lose faith, become scared of new technology

Just Right
- Security becomes seamless
- Policies match employee risk
- Security can enable innovation
- Things that we do today that people take for granted (successful due to balance)

Too Much
- Employees work around it
- Productivity & Innovation is stifled
- Security becomes a burden
- Employees lack respect for it / instead of adopting it
Balancing Security

Users will often willingly accept strict security measures provided that those measures are:
• As transparent as possible
• Do not cripple functionality
• Enable them to be more productive
• Explain why a policy is needed

If you lock device down too tightly, then your users will not use it and will find alternatives!

Leave them too open, then you introduce unnecessary risk
In Summary

• Business partner and senior management support is essential
• Understand user needs, requirements
• The basic security requirements apply regardless of the environment
• A security framework helps keep focus
• Provide effective and usable access and tools
• Ongoing awareness, communications, feedback are keys to success
• There is no “one-size-fits-all” approach to user needs, security
• Know what needs to be protected and take the appropriate steps based on risk/reward trade-offs