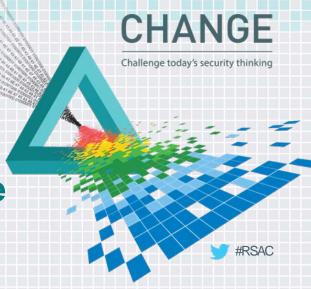
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Trust in Mobile Enterprise – Have We Lost the Game?



MODERATOR:

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Managing Director of Secusmart GmbH, a BlackBerry company

What is the Right Security Solution for Mobile * Computing?



Classification in Protection Classes



Consumer Class 0 Share (# of devices out of all) •Threat: privacy of personal data, Cybercrime 100% Expected costs: adds 5% to personal IT costs | products and vendors: achieve market trust Companies, authorities Class 1 70% •Threat: Cybercrime (higher degree of risk), compliance, legal privacy protection • Expected costs: adds 10% to IT | products and vendors: certified for effectiveness Companies, authorities, infrastructure Class 2 27% •Threat: Cybercrime, targeted attacks on corporate values, corporate espionage Breach of security leads only to individual damage • Expected costs: adds 20% to IT | products and vendors: certified by internationally approved bodies Class 3 Companies, authorities, infrastructure •Threat: Economic espionage (intelligence services) and cyber attacks, cyberwar (sabotage) + cost of infrastructure Breach of security leads to collective damage

Appropriate Mechanisms

MDM, VPN, Secure Messaging, Voice and Cloud, Container solution

- + Secure Operating System, Mutli-factor authentication, Approved PKI, End2End Encrypted Voice, Messaging and Cloud, E-Mail encryption
- + Hardware-based 2-factor authentication (Smartcard, Token)

Class 4

Classified (beyond Restricted)

- National Security, Protection requirements: according to classification regimes
- •Expected costs: adds 400% to IT | products and vendors: approved and certified by national authorities

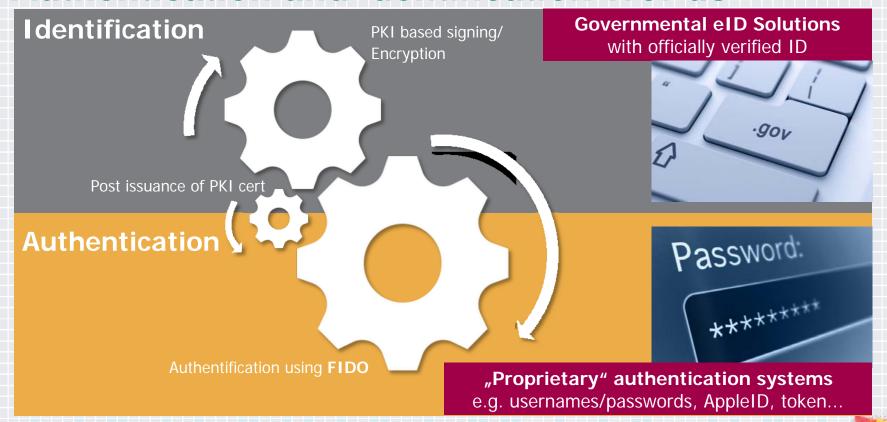
• Expected costs: adds 50% to IT | products and vendors: certified by nationally approved bodies



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0.01%

Authentication and Identification Worlds





Which Security Level can the IT Security App

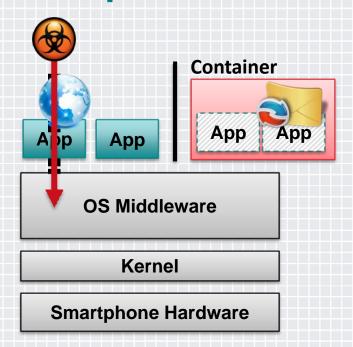
achieve?

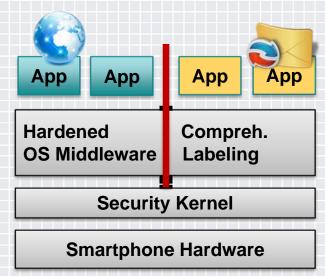






Why are Containers not Sufficient for Enterprise Level Protection?







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ONE TOKEN





TWO WORLDS



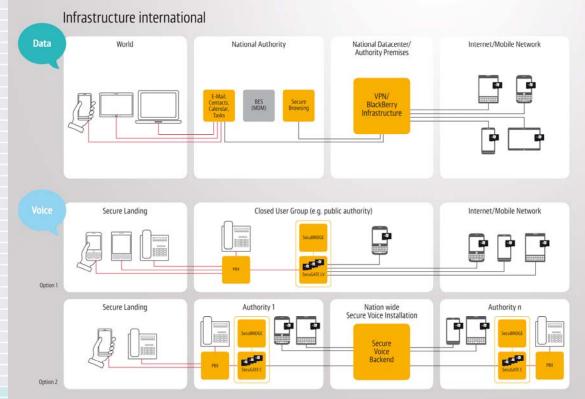
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enabled



Which Security Level can a full IT Security Smartphone achieve?

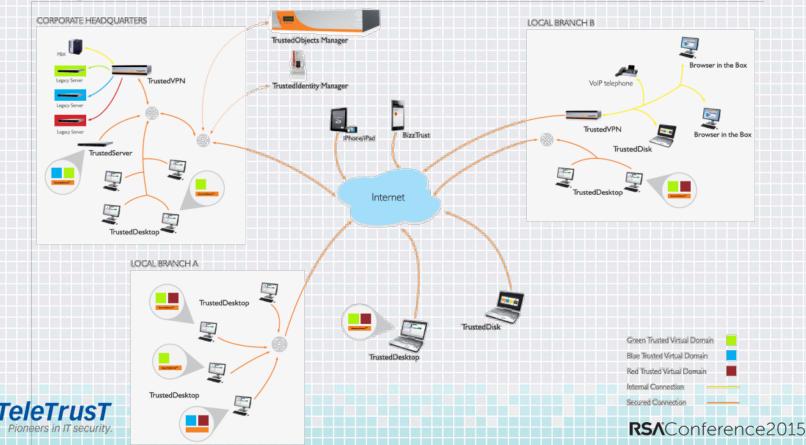






Why Mobile Enterprise Security needs Enterprise-Wide Information Flow Control?

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Usability: Building an Eco System









& STACKS







Security

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made in Germany







Lessons learned today?

- Classification in Protection Classes eases the selection of appropriate security solutions for the Mobile Enterprise
- Within the same organization, domains and devices of different Protection Classes can co-exist.
- Consumer-level devices can be enhanced by intelligent integration of smart components for use in the Mobile Enterprise
- Germany deployed public eco-systems provide a good set of bestpractice examples







Trust in Mobile Enterprise – have we lost the Game?

We still have an opportunity to win!





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"Apply" Slide

- CISO (Chief Information Security Officer)
 - Immediate: classification of applications and determine the rules for devices and infrastructure, identification of gaps and risks.
 Medium Term: optimization of the security architecture

Administrator

Immediate: analysis of the state; classification requirements selection of security functions like authentication, identification (2-factor method), virtualization, trusted certificates, ... Medium Term: adaptation of processes, use of tool's for the control of security requirements in the field.

User in the field

 Immediate: recognizing the need for security-related applications and following appropriate rules.
Medium Term: acceptance of restrictions on the freedom of choice of mobile devices Control of security processes for critical applications.

