Moving from Reactive to Proactive Security

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Professional Strategies – S11
Traditional Security

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2014 – We are still using passwords...

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Difference Today?

Everything is remotely accessible

- Internal Apps: Exchange
- SaaS Apps: Google, Office 365, Salesforce
- Corporate Office
- Local Employees
- Remote Employees
- BYOD
Most Breaches Involve Stolen Credentials

76% Stolen Credentials

24% Anything Else

Verizon Breach Report 2012

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Not so advanced...

• Phishing against HVAC supplier
• HVAC -> Target corp. network
• Default credentials on internal systems
• POS Malware written by a Russian teenager
• Exfiltration over FTP
New Security Perimeter

Cloud – Mobile - BYOD

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Focus on User Targeted Attacks

**Users**: Access from Anywhere / Zero-trust Environment
   >> Targeted attacks / Fishing

**Devices**: Mobile / BYOD
   >> Mobile threats

**Services**: Diminishing perimeter / SaaS – IaaS – Cloud
   >> Loss of visibility & control

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Security Must Move Up the Stack

New Security

Behavior

User

Device

Application

Service

Data

Traditional

AD – HIDS

FW – IDS – IPS

SIM – SEM

...
SAT Mobile Identity

- Risk-based Authentication
- Presence monitoring
- Secure SSO

Behavior
User
Device
Application
Service
Data

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No Passwords: Breakthrough Security & Usability

SAT Mobile ID

SAT Wrapped Application

SAT Policy Console

iPhone / Android / key Fob

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Integration In Minutes

- Runs Offline
- Jail Break-Proof

Install SAT Adapter

- Single Sign-On
- Risk-based Multi-factor Auth
- Proximity Security
- Geo-fencing
- Application Self-Defense
- Device Loss Prevention

Purchased Legacy App

SAT Mobile ID

Monitors

SAT Policy Console

Sets Policies

Deployed SAT-Wrapped App

Load to Enterprise App Store

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Proactive Security

| Convergent Authentication | No Passwords  
|                          | Risk-based Multifactor Auth.  
|                          | [User / Location / Application]  
| Convergent Application Security | Proximity Security + Geo-fencing  
|                          | DLP + Encryption  
|                          | Auto-wipe  
| Convergent Policy Console | Policy-based security  
|                          | Real-time logs  

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Proactive Security

• All applications are secured with one security layer
• Security policies are set using one policy console
• Users authenticate to all applications with one risk-based multi-factor authentication token
• Real-time audit logs
Live Demos
Ecosystem

- Integrated iOS Applications:
  - Good
  - divide
  - THURSBY Software
  - branchfire™
  - CITRIX®
  - Fixmo
  - BoardPad
  - splashTop
  - DocuSign
  - Expand Share
  - ePrint

- Integrated web portals:
  - okta
  - salesforce
  - box
  - in
  - WF
  - KAISER PERMANENTE®
  - PayPal

- Integrated Systems:
  - HID
  - Mac OS X
  - TRITECH
  - TIBURON®

- Partners:
Thank You

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7 patents issued:

Proximity token / proximity security, Security layer, application self-defense, wrapper engine, SSO, mobile biometrics...

iPhone

iPad