



Mobile Security

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SECURELY ENABLING **YOUR BUSINESS**

About Ken Swain

- Presented at Nashville's own PhreakNic
- Spoke at Gartner on SIEM deployments
- Helped develop HP's mobile security practice
- Helped design and implement HP's testing as a service practice
- Works with Fortune 25 companies to implement application and mobile security
- Enough of the brag sheet...let's get started!



Quick Questions?

Current State of the Mobile Environment



- Rapid growth and deployment of mobile devices
- Users are pushing for more features
- Users inherently trust the device in their pocket
- Ongoing demand for more flexibility from IT at a lower cost
- “Bring your own device” (BYOD) model is growing in large number of IT organizations
- Rapid application development
- Push from power users to have access to sensitive data on device
- MDM widely deployed

Current Threats to the Mobile Environment

- Enterprise attack surface has expanded
- Attackers have moved past firewalls and viruses
- Focus is now on applications
- Carriers can no longer be trusted as a secure source
- The threats are real and ever present
- High profile attacks against applications
 - Apple
 - Sony
 - ExxonMobil
 - LinkedIn
 - Defcon Android Attack
 - The list keeps growing



Another Question

Traditional problems with BYOD

- No control of how the device is used
- No control of what is on the device (Apps)
- No way to know what data is on a device
- Can we even remotely wipe a device we don't own

Does MDM Solve These Problems?

NOT ALL OF THEM!

What is the ROOT cause?



Solving BYOD Issues

- Make your employees sign a mobile security policy
- Review approved applications
- Move to “Stateless” security

Future State

- Moving away from endpoint control
- More focus on data and not on device
- Relieving burden from IT purchasing budgets
 - Rapid deployments
 - Happy end users!
- Increased overall security on laptops and desktops as well as mobile devices
- Moving to “Stateless” security



“Stateless” Security Advantages

- Reduced attack surface
- Effective placement of security controls at the data, which is of the most value
- Lower cost of ownership to the organization due to the focus on the data and placing security controls early in processes
- Lower cost of ownership for the organization as devices can be brought by the end-users
- Removes the ability of attackers to tamper with data since controls are placed in the application
- Return to old mainframe advantages without the downsides of cost or inconvenience
- Increased productivity for users since security is transparent
- Focus on inexpensive processes rather than expensive technologies
- Easier to achieve and demonstrate compliance



Ken, have you lost your mind?!?!

Conclusion

- Mobile devices are the next battle ground
- Solutions exist to aid in security today
- Application reviews and security policies are the stop gap
- “Stateless” security is the future
- Companies that plan and prepare now will be best positioned to support increasing demand for mobile services while still managing security risks





Thank You

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