

Christopher Holmes, CTO The Orchard

Introduced to the world of Apple when he bought his first Mac (Core Duo Black MacBook) in 2006. Since then, this enthusiast turned expert has been on an incredible journey of technological discovery. In 2008 he started his I.T. professional journey by joining the Apple Consultants Network. Christopher now sits on this years ACN Advisory Council. Not long after, he was recruited as CTO by an exciting new startup called The Orchard. Working for an Apple Specialist & Authorized Service Provider has placed him at the center of innovation in the South. For the last four years, Chris has been empowering customers and helping shape the digital frontier for organizations.



Security

Before You Begin

- Develop security as Philosophy & Culture
- Communicate with IT & C-Level Mgmt
- Develop Cost to Loss Analysis
- Security Initiatives must become practical policies.



Best foot forward

- Asses your current infrastructure
- Decide what platforms you will support
- What is security currently in place
- Setting up zones for security

Asses your current infrastructure

- How many Devices do you have to protect?
- Is the solution in mind scalable?



Decide what platforms you will support

- iOS
- Windows Mobile
- Black Berry
- Android

*This guides what MDM you use



What is security currently in place

- Password Policy
- VPN
- What Apps are allowed
- BYOD Allowed? How do we deal with it?

Setting up zones for security

- Internal Wireless
- Beyond the Firewall

Threat Assessment

- Based on platforms you support
- Prepare for the unexpected
- Disaster recovery plan



Based on platforms you support

conceptual clarity

1. appropriate detail and consistent granularity
2. comprehensiveness
3. simplicity



Prepare for the unexpected

- What if the device is lost/stolen?
- What if the device is rooted/Jail Broken?
- What if.....

Disaster recovery plan

- How are you backing up?
- What are you backing up?
- What is the user involvement?
- How do you protect new data from intrusion?



Identifying What you Need to Protect

- Intellectual property
- Business data
- Personal data
- Company-owned property

Intellectual property

- What legal policies do you have in place?
- What obligation do you have to protect there device data?

Business data & Personal data

- What apps are you using.
- Does your MDM allow for remote wipe?
- Remove the profile, remove the data.
- iCloud for everyone?



Settings

- Infrastructure hardware
- Servers and setup
- Devices

Certificates

- Types needed
- When to use each
- Obtaining
- Revoking

Types needed, When to Use

- Self Signed
- Signed: Commercial(local) & Organizational (CA)
- Intermediate
- Root CA

Obtaining

- Certificates
- Deploying Certificates
- Self Signing Certificates
- Certificate Signing Request
- Signed Certificates

Revoking

- Company-Revoke the certificate
- Employee Leaving-Revoke the profile

Tracking

- What is it and why is it useful?
- What are the problems with tracking
- Which tools allow it (Absolute, Centrifify, Jamf...)