Exploiting Mobile Technologies to Run a More Profitable Business

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Let’s Demystify Mobile Device Management

Learn about deploying devices, methods to protect your assets and proprietary content.

Remote Management
Learn about managing devices, protecting your assets and proprietary content; restricting features, Apps and purchases; remote wiping of lost/stolen devices; company-issued vs. BYOD; location tracking.

Content
Identify the top MDM software companies, differences and prices starting at free. Also learn how to create multiple Apple IDs for device deployments without tying a credit card to each.

Integrating Device Management
Exploiting mobile technologies has become essential for any field-based business.

Remotely Wipe Sensitive Data
Remote lock and wipe in the event customer-sensitive data is left on a job site!

Unified, Central Control
Manage your fleet of devices from one dashboard allowing you granular control.

Enforce Security Protocols
Deploy devices securely over-the-air—everything from passwords to location based security. You can even preload wifi and email settings.

Restrict Device Functions
Over the air device management allowing everything from app removal to unlocking down the camera on devices.
Start Smart!

It is estimated that over 50% of IT projects fail due to poor planning. — CIO.com, 2016

"If you don’t know where you’re going, how can you expect to get there?" — Basil S. Walsh

Where to Start?

Plans are worthless. Planning is essential. — Dwight D. Eisenhower

1. Understand the deployment goals, develop a scope.
2. Define and communicate expected outcomes, make a plan for future communication.
3. Assess the existing infrastructure: LAN/WiFi density, VPN, server/storage resources, internet bandwidth.
4. Plan for user support and rollout — pilot users, what happens when it breaks?
5. Identify device policies, users & groups: Who gets the devices in what order? Training? Who purchases applications? What is the device backup strategy?
6. Purchase devices, order accessories and applications — if Apple, purchase via VPP.
7. Prepare for physical rollout: Unpack, check and initialize devices, transmit configuration payloads, verify.
9. Conduct device training — articulate deployment plan, goals and expected outcomes.
10. Expand distribution to remaining devices.
11. Verify deployment through dashboard.
12. Monitor to ensure program fidelity.
Process Overview

- A configuration profile containing Mobile Device Management server information is sent to the device. The user is presented with information about what will be managed and/or queried by the server.
- The user installs the profile, opting to the device being managed.
- Device enrollment occurs, placing the profile into the device. The server validates the device and allows access.
- The server sends a push notification prompting the device to check-in for tasks or queries.
- The device connects directly to the server using HTTPS. The server sends commands or requests information.

iOS Deployment

<table>
<thead>
<tr>
<th>Activation</th>
<th>Associating a brand new device</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrollment</td>
<td>Associating a device to an account to bring it under management.</td>
</tr>
<tr>
<td>Configuration</td>
<td>Applying settings to a device via configuration profiles.</td>
</tr>
<tr>
<td>Security Management</td>
<td>Locking, resetting a passcode, or wiping data from a device.</td>
</tr>
<tr>
<td>App Distribution</td>
<td>Making App Store or in-house apps available to end users.</td>
</tr>
<tr>
<td>eBook Distribution</td>
<td>Making iBookstore or in-house eBooks available to end users.</td>
</tr>
<tr>
<td>Inventory</td>
<td>Gathering a device’s hardware, software or settings.</td>
</tr>
<tr>
<td>App Updates</td>
<td>Updating the apps on a device.</td>
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<tr>
<td>Backups</td>
<td>Backing up data from an iOS device to a computer.</td>
</tr>
<tr>
<td>Restore</td>
<td>Restoring an iOS device to a previous state.</td>
</tr>
<tr>
<td>iOS Updates</td>
<td>Updating the device to a newer version of iOS.</td>
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</tbody>
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Compare & Contrast

Unified, Central Control
Restrict Device Functions

- **Device Functionality (iOS):**
  - Allow FaceTime
  - Disallow sharing of managed documents with AirDrop
  - Allow in-app purchases

- **Cross-Platform Restrictions:**
  - Allow use of camera
  - Allow installing apps
  - Allow screen capture

- **Security and Privacy:**
  - Allow automatic updates to certificate trust settings
  - Allow user to accept untrusted TLS certificates
  - Force encrypted backup

Enforce Security Protocols

- **Device Functionality (iOS):**
  - Allow app removal
  - Allow configuring restrictions
  - Allow “Erase All Content and Settings”

- **Windows Phone Specific:**
  - Allow WiFi
  - Allow Bluetooth
  - Allow use of external storage card
  - Encrypt device internal storage

- **Additional Security:**
  - Enable “Single App” mode
  - Enable Global HTTP proxy
  - Enable web content filter
The Secret of Apple IDs with No Credit Card

Workaround via the App Store
Volume Purchase, Simplified Distribution of Apps

Questions

Up Next: Interactive Break in the Cibolo Canyon Ballroom
- Eat This Not That
- The Airplane Stretch Break
- Open Q & A Session: Apps
- Get to Know Your iPad Inside & Out

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