

Mobility and Profiles

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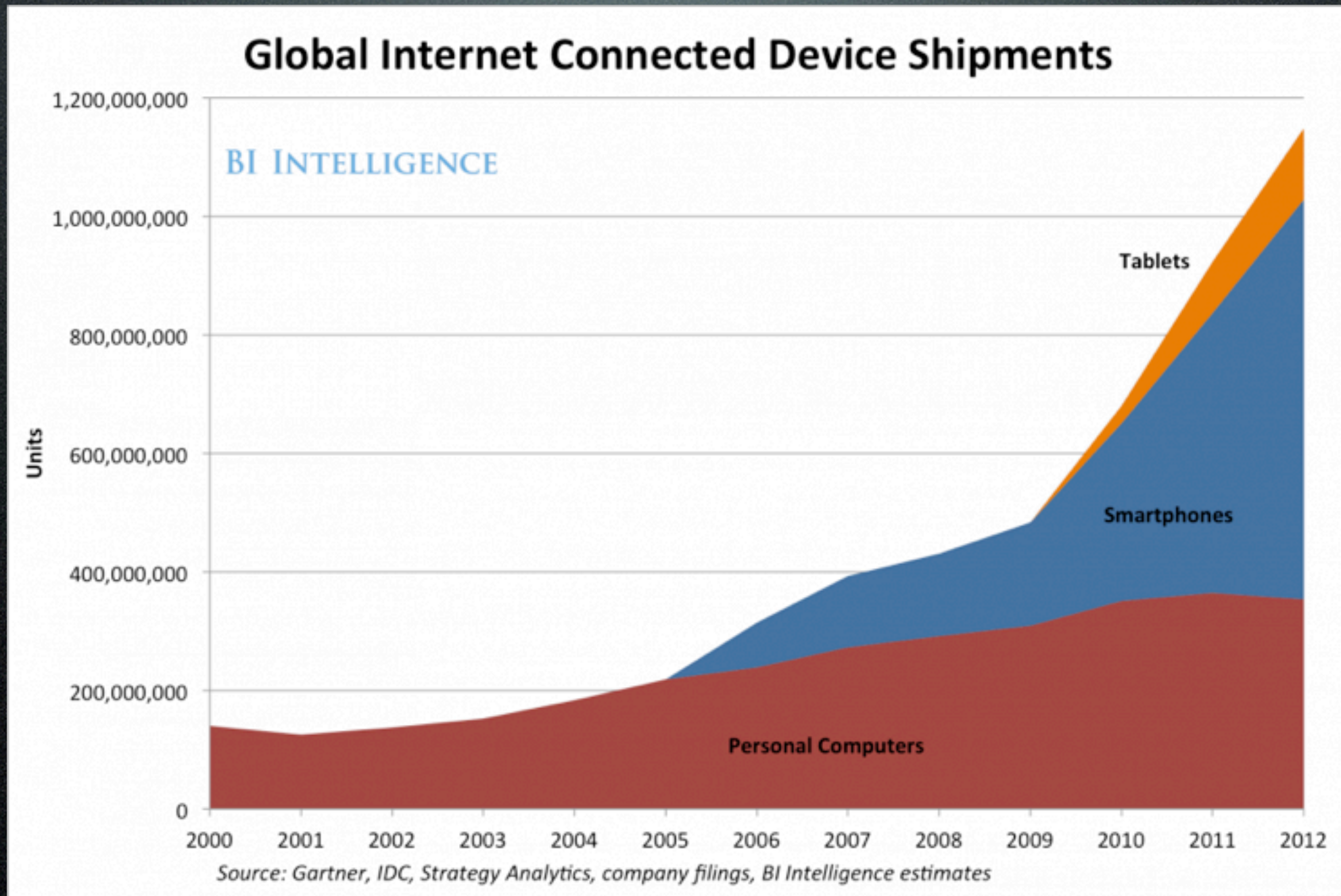
Topics

- MDM Overview
- Technological Components
- Importance of MDM
- Examples
- Q&A

MDM Overview

- Method to manage mobile devices
 - Settings
 - Applications
 - Data
 - Inventory
- How does this apply to iOS?
- What about OS X?

Need for MDM



Need for MDM

- Increase in employee mobility
- Security
- Where do we start?



1. Policy

2. Data

3. Device

MDM Providers

- Apple
- AirWatch
- Absolute Manage
- Casper
- MaaS 360
- FileWave
- LightSpeed Systems
- Meraki
- Mobile Iron
- Robot Cloud

Check out enterpriseios.com

Other platforms

- Blackberry
- Android
- Windows Phone
- Symbian
- WebOS

Direction

Yesterday	Today	Tomorrow
<ul style="list-style-type: none">•Email•Contacts•Calendar	<ul style="list-style-type: none">•Yesterday +•Inventory•Profiles•App Publishing•OS X	<ul style="list-style-type: none">•Today +•Sandboxing•Enhanced Provisioning•“Open in”•License Management

Components

iTunes

- Consumer Model of Management
- Only one real usage example
 - Centralized Admin + End-user ownership
- “We” never touch iTunes



IPCU (v3.5)

- “Patient 0” of Managing iOS devices
- Cross-Platform
- Easy to read
- “Ron Popeil” method



What can we configure

- Restrictions
- Wi-Fi
- VPN
- Email
- Exchange
- LDAP
- CalDAV
- CardDAV
- Calendars
- WebClips
- Credentials
- SCEP
- MDM
- APN

New
 Share
 Export

Hide Detail
 Search

LIBRARY

Devices
 Applications
 Provisioning Profiles
 Configuration Profiles

Name	Identifier	Created
MacTech	com.techrecess.mactech	7/7/13, 9:17 PM

General
Mandatory
 Passcode
Not Configured
 Restrictions
1 Payload Configured
 Wi-Fi
Not Configured
 VPN
Not Configured
 Email
Not Configured
 Exchange ActiveSync
Not Configured
 LDAP
Not Configured
 CalDAV
Not Configured
 CardDAV
Not Configured
 Subscribed Calendars
Not Configured

Device Functionality
Enable use of device features
☒ Allow installing apps
☒ Allow use of camera
☒ Allow FaceTime
☒ Allow screen capture
☒ Allow automatic sync while roaming
☒ Allow Siri
☒ Allow Siri while device locked
☒ Allow voice dialing
☒ Allow In-App Purchase
☐ Force user to enter iTunes Store password for all purchases
☒ Allow multiplayer gaming
☒ Allow adding Game Center friends

Applications
Enable access to applications on the device
☒ Allow use of YouTube
☒ Allow use of iTunes Store
☒ Allow use of Safari
☒ Enable autofill
☐ Force fraud warning
☒ Enable JavaScript
☐ Block pop-ups

When IPCU?

- Small device population
- Don't need OTA or profiles
- No / Low security

Configurator



Apple Configurator

- Builds on iPCU
- Focuses on deployment
- Adds in App Deployment
- Can prevent iTunes sync
- Ability to workflow MDM enrollment
- (More on this later)

When Configurator?

- Multiple Devices require same config
- Required consistency
- Updating iOS
- Almost always, really!

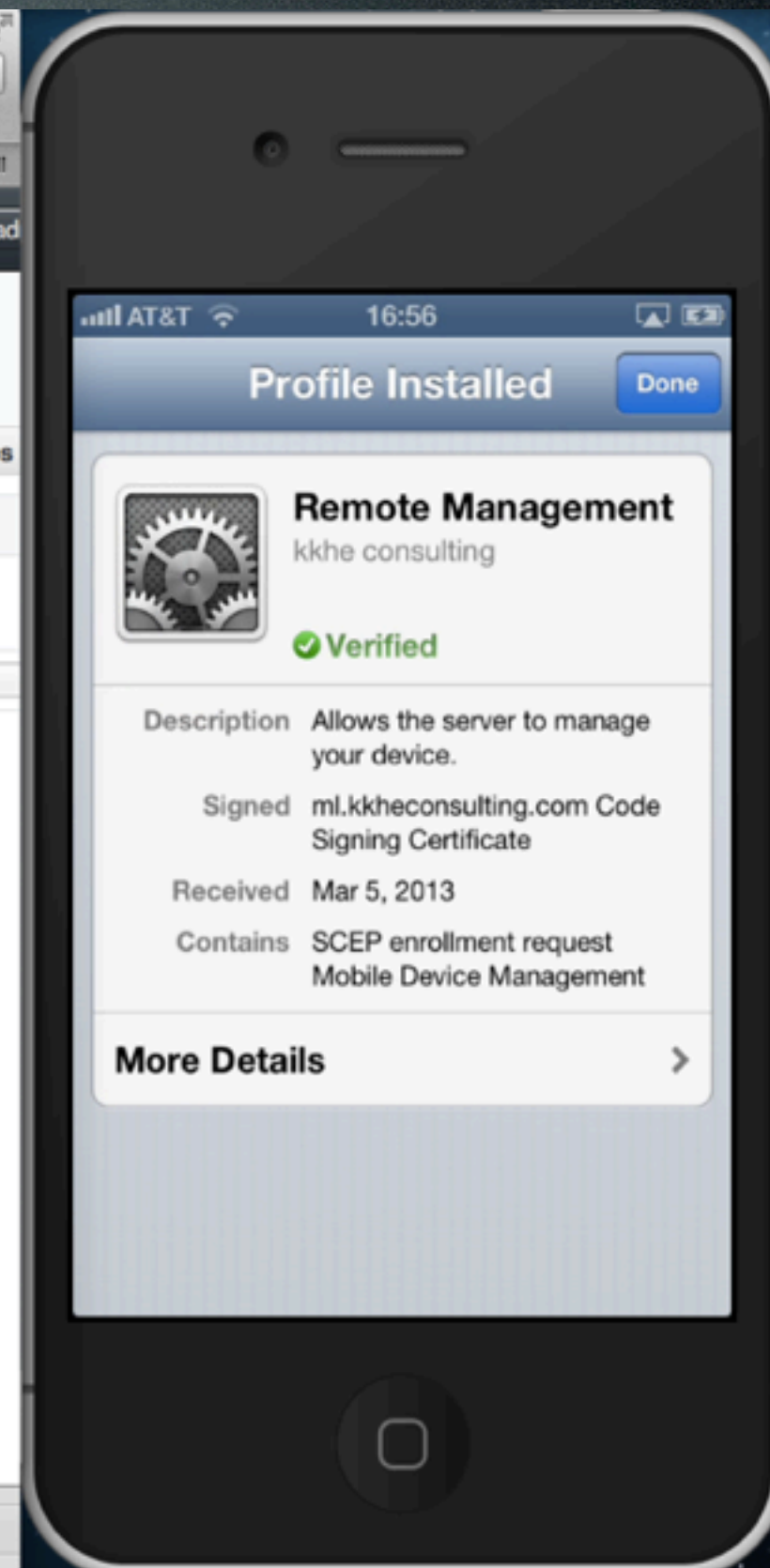
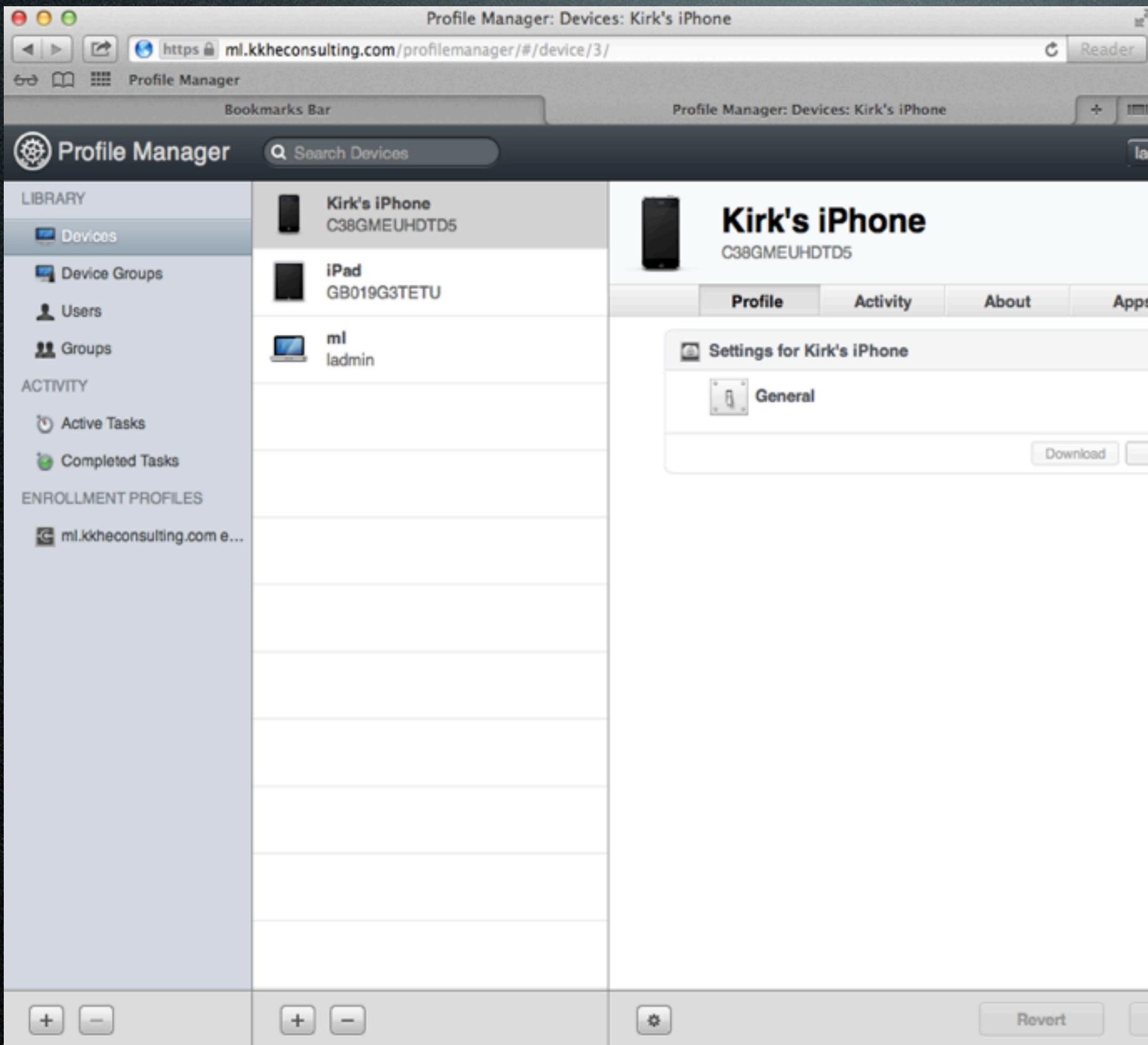
Why MDM?

- When do you need to make changes?
- App Self-Service & Licensing Compliance
- Cross-OS
- Multi-tiered admin
- Leverage Directory Services

Profile Manager

- Builds off IPCU
- Adds OTA
- Directory Integration







LIBRARY

 Devices

 Device Groups

 Users


 Groups

ACTIVITY


 Active Tasks

 Completed Tasks

ENROLLMENT PROFILES

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 **All iPads**
1 Member

 **iPhones**
No Members

 **iPhones**
No Members

Profile

Members

Activity

About

Apps



Kirk's iPhone





Settings for iPhones

2 Payloads Configured – Updated 03/05/13 at 4:41 PM

OS X and iOS



General

1 Payload Configured



Passcode

1 Payload Configured



Network

Not Configured



VPN

Not Configured



Certificate

Not Configured



SCEP

Not Configured



Security & Privacy

Not Configured

iOS



Restrictions

Not Configured



Accessibility

Not Configured



Global HTTP Proxy

☒ **Allow simple value**

Permit the use of repeating, ascending, and descending character sequences

☐ **Require alphanumeric value**

Requires passcode to contain at least one letter

4

Minimum passcode length

Minimum number of passcode characters allowed

--

Minimum number of complex characters

Minimum number of non-alphanumeric characters allowed

730

Maximum passcode age

Days (1-730) after which the passcode must be changed

--

Maximum Auto-Lock

Device automatically locks when minutes elapse

☐

Passcode history (iOS only)

Number (1-50) of unique passcodes before reuse

--

Maximum grace period for device lock (iOS only)

Maximum amount of time the device can be locked without prompting for passcode on unlock

--

Maximum number of failed attempts

Number of passcode entry attempts allowed before all data on device will be erased

Cancel

OK

LIBRARY

Devices

Device Groups

Users

Groups

ACTIVITY

Active Tasks

Completed Tasks

ENROLLMENT PROFILES

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All iPads
1 Member

iPhones
No Members



iPhones

No Members

Profile

Members

Activity

About

Apps

Settings for iPhones

General

Barcode

Download

Edit



Save Changes?

This might cause settings to be pushed to devices.

Cancel

Save



Revert

Save...

Profile Manager Search Completed Tasks ladmin

LIBRARY

- Devices
- Device Groups
- Users
- Groups

ACTIVITY

- Active Tasks
- Completed Tasks

ENROLLMENT PROFILES

- ml.kkheconsulting.com e...

Update Info
1 succeeded

Push Settings: Settings for iP...
1 succeeded

Update Info: Kirk's iPhone
Succeeded

Update Info: Kirk's iPhone
Succeeded

Update Info: Kirk's iPhone
Succeeded

Update Info: Kirk's iPhone
Succeeded

Push Settings: Settings for iP...
1 succeeded

Update Info
1 succeeded

Push Settings
1 succeeded

Push Settings
1 succeeded

Push Settings
1 succeeded

Push Settings
1 succeeded

Update Info
1 succeeded

Devices

Kirk's iPhone	Succeeded	03/05/13 at 4:59 PM
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AT&T 17:00

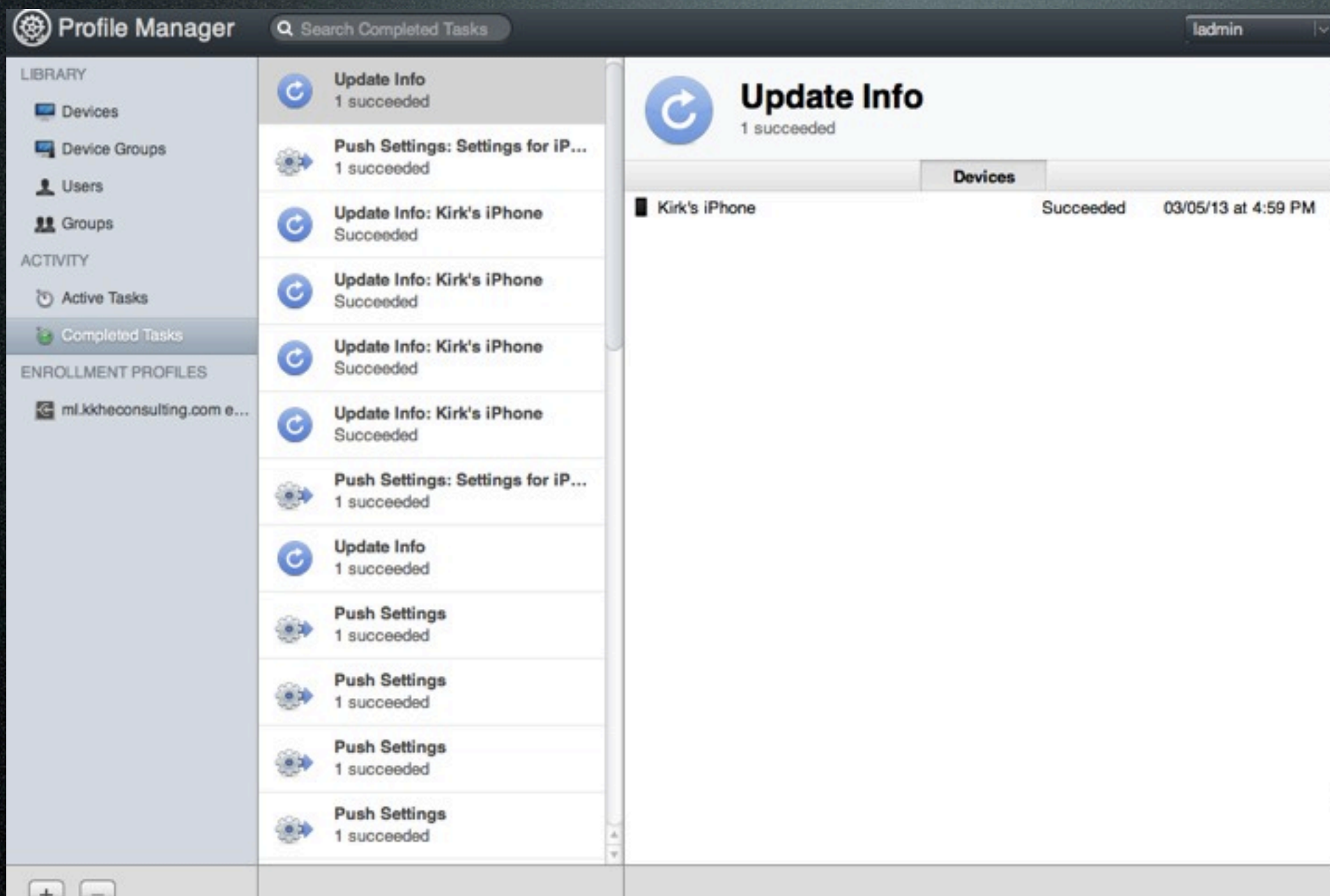
General Profiles

Configuration Profiles

- TestFlight WebClip**
testflightapp.com
- Trust Profile for kkhe co...**
- Remote Management**
kkhe consulting
- Settings for iPhones**
kkhe consulting

Provisioning Profiles

- Team Provisioning Profile**
Expires on Feb 27, 2014



3rd Party MDM

Hosted / Managed / Cloud

- Hosted = License + Hardware + You
- Managed = License + Bandwidth + Someone
- Cloud = License + Bandwidth + You

- License / device + Bandwidth + Hardware +
TIME

Apple vs MDM

- Apple tools (IPCU & AC) are not OTA
- Security?
- BOYD
- Think about YOUR phone

What about when ...

- Lost / Stolen Devices
- HR Changes
- Not returned
- Disgruntled Employees

Opt-in and Enrollment

- Who owns the equipment?
- Who controls the equipment?
- What is the benefit?



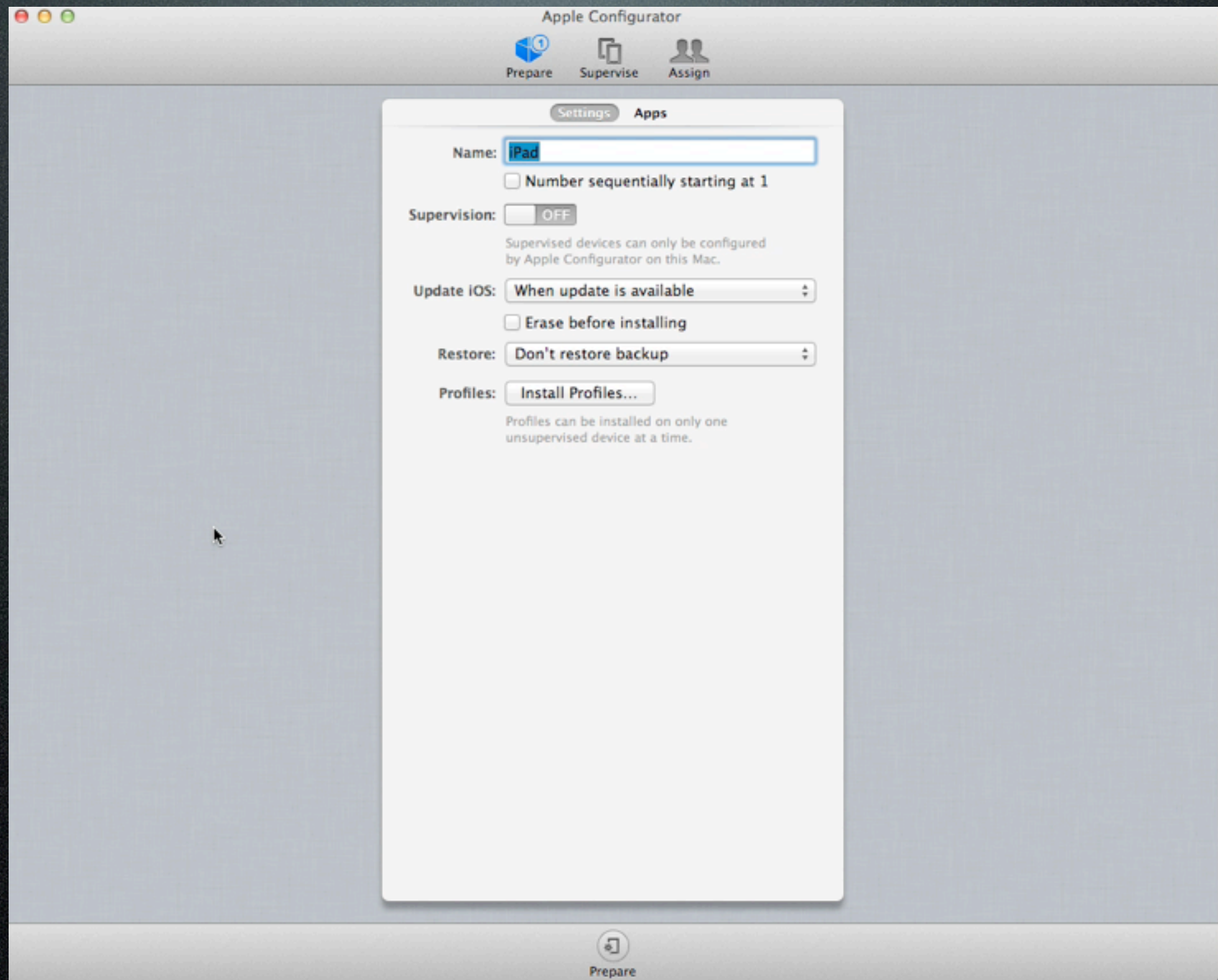
Deployment of iOS

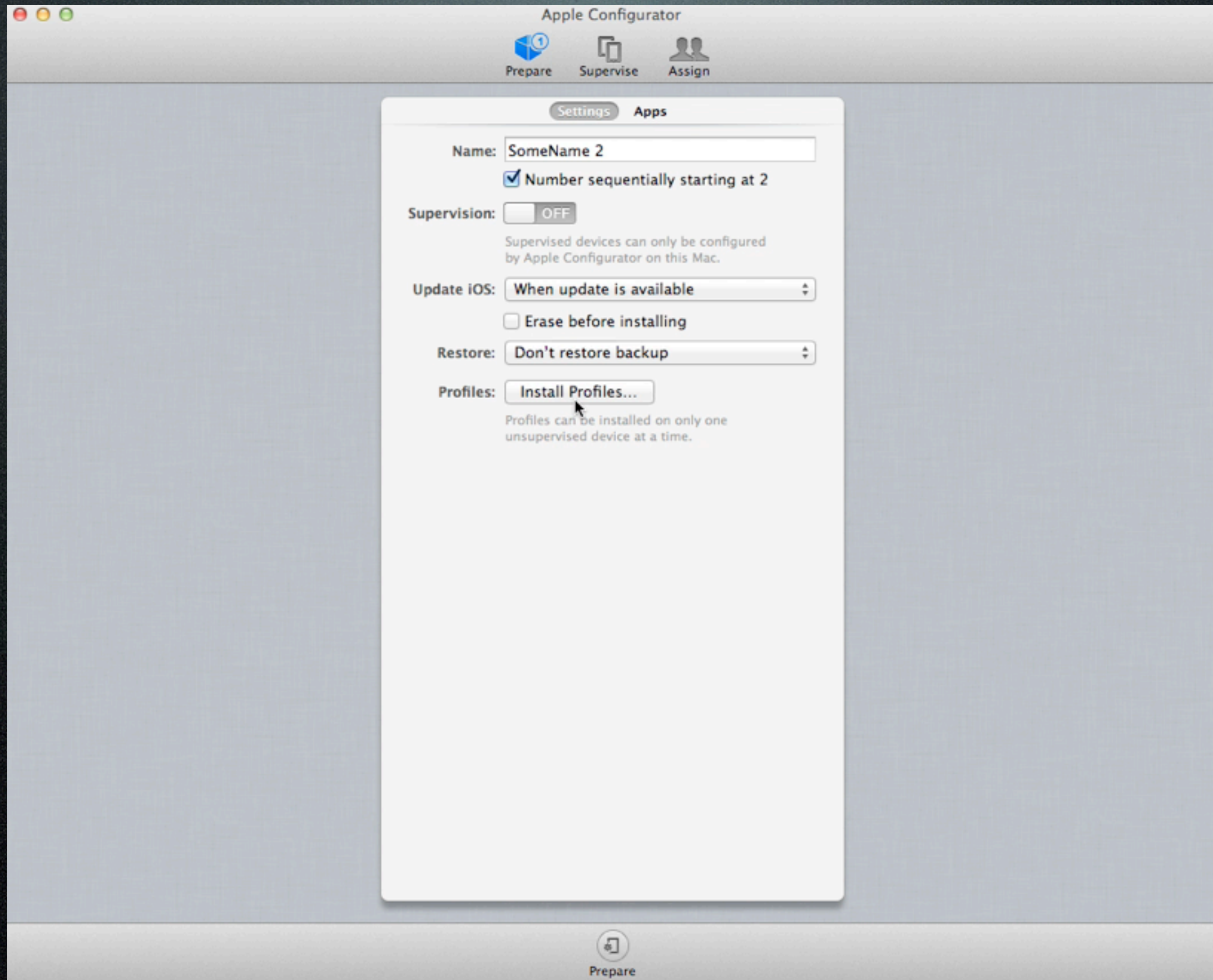


Preparing

- Remember Config Profiles?
- Remember Updating iOS?
- Remember Naming?

**Actual Video of these next few slides
will be available on a separate link.**







Apple Configurator



Prepare



Supervise



Assign

Settings Apps

Name:

☐ Number sequentially starting at 1

Supervision: ☐ OFF

Supervised devices can only be configured by Apple Configurator on this Mac.

Update iOS:

☐ Erase before installing

Restore:

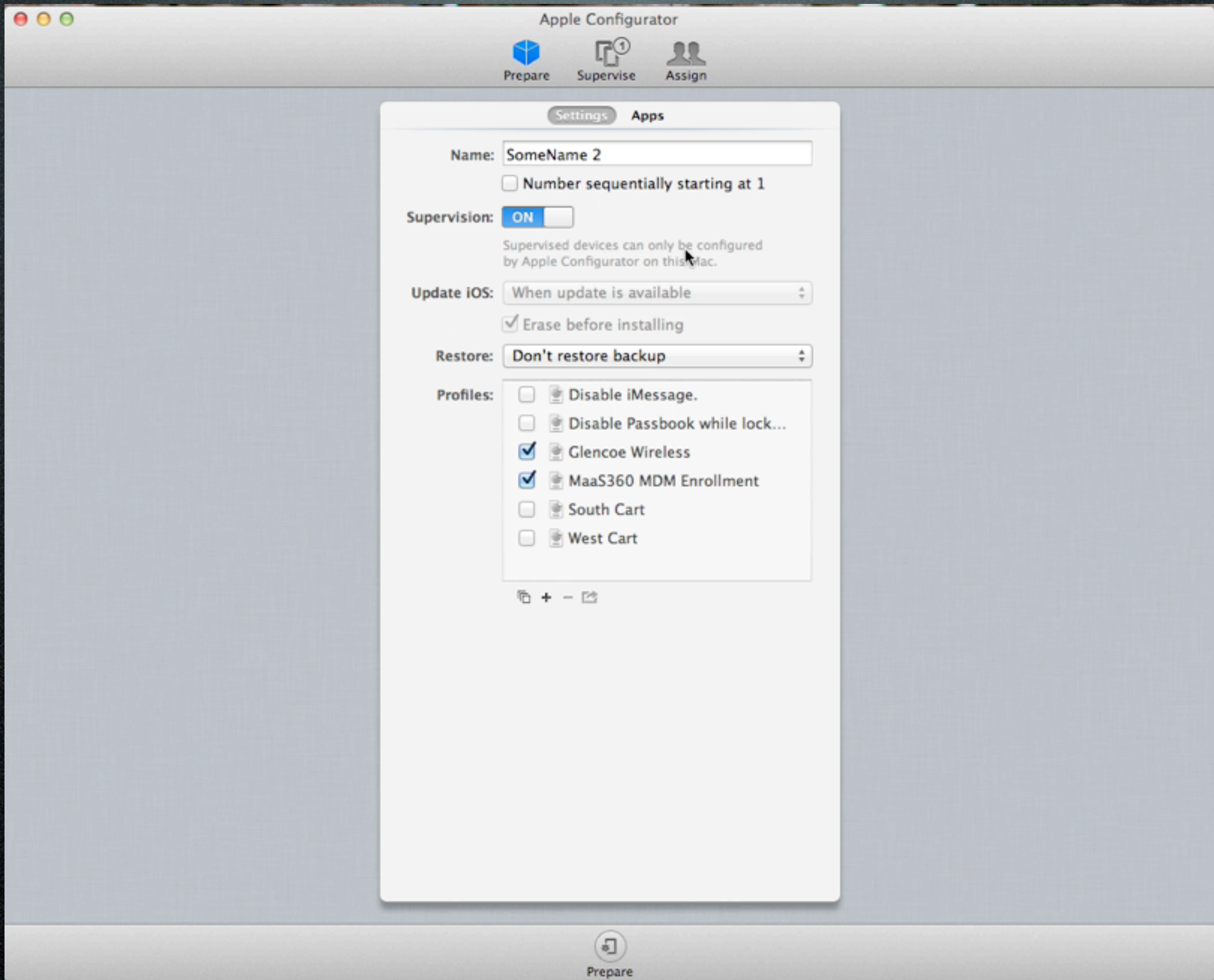
Profiles:

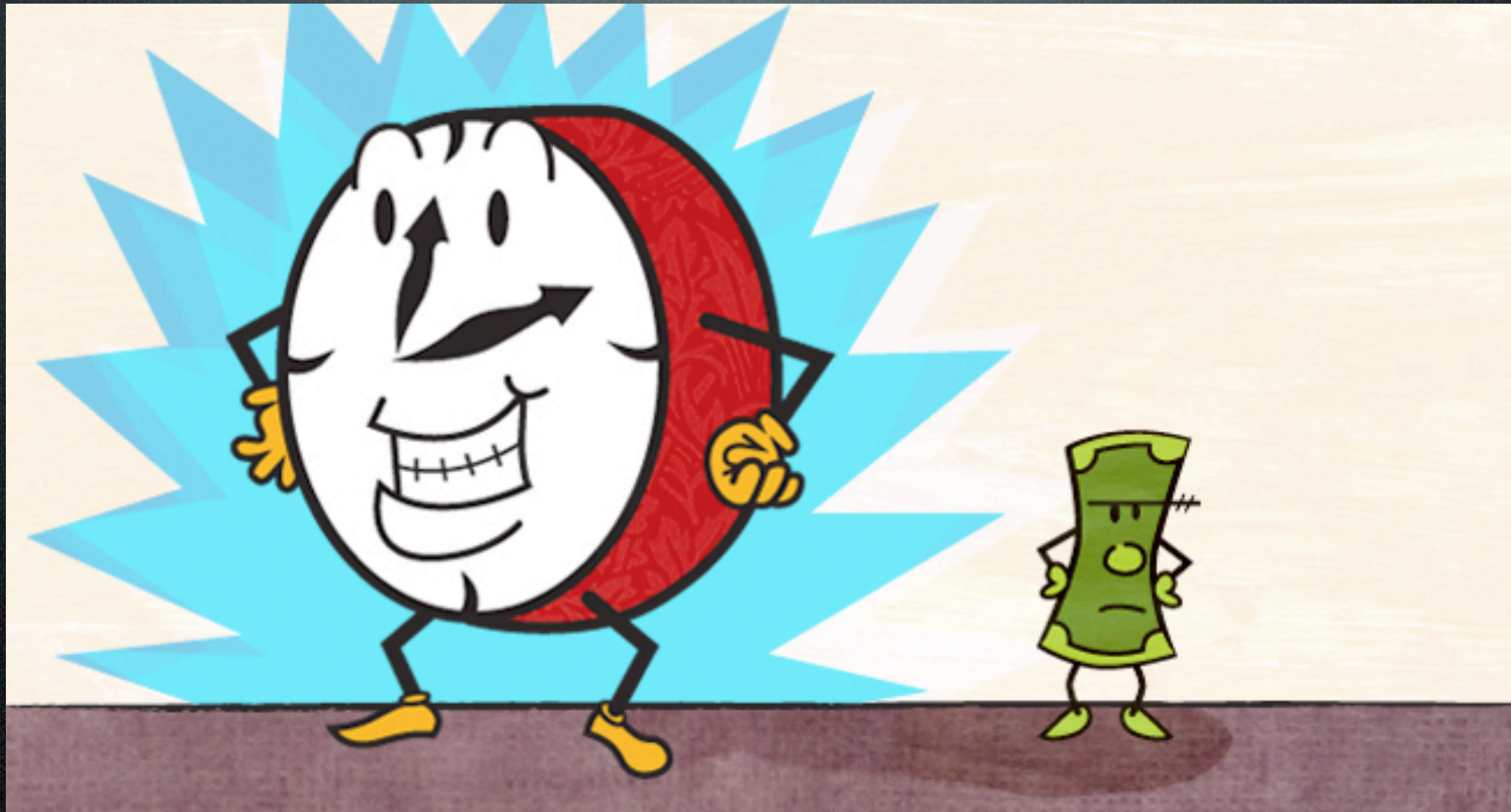
Profiles can be installed on only one unsupervised device at a time.



Prepare

MACTECH





http://d1n2ocphyqwvae.cloudfront.net/wp-content/uploads/0413_TimeVsMoney.jpg

Considerations about ...

- Building and using profiles
- Benefits to Time Management
- Staff Turnover
 - You
 - Customer