iOS En Masse

Charles Edge
Chief Technology Officer, 318

What We'll Cover

What We'll Cover

- Purchasing

What We'll Cover

- Purchasing
- Imaging

What We'll Cover

- Purchasing
- Imaging
- Management

What We'll Cover

- Purchasing
- Imaging
- Management
- Data

What We'll Cover

- Purchasing
- Imaging
- Management
- Data
- Use Cases

What We'll Cover

- Purchasing
- Imaging
- Management
- Data
- Use Cases
- Q&A

VPP 101

In Sweden?

In Sweden?

Boooooooo

In Sweden?

Boooooooo

Srsly, New Zealand came before Denmark, Norway, Finland or Sweden?

In Sweden?

Boooooooo

Srsly, New Zealand came before Denmark, Norway, Finland or Sweden?

OK, I actually get Finland, but the others???

Who's From Finland?

Swag for a Fin

Bribery FTW!

BTW, I'm not above buying friends...

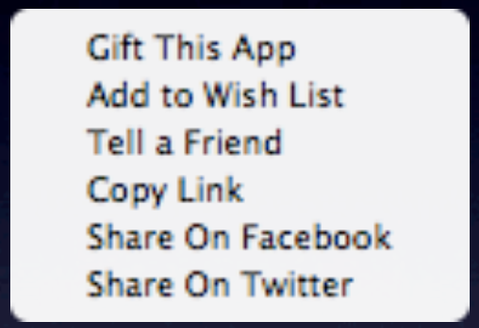
Buying Devices

Apps

AppleIDs

Volume Purchase Codes	
Order Number	JURG2DD669
Product	Keynote, v1.6.1
Purchaser	Charles Edge <krypted@me.com>
Codes Purchased	9481
Codes Redeemed	0
Codes Remaining	9481
Code	**Redemption Link**
7PKT6YNTJABC	https://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/freeProductCodeWizard?code=7PKT6YNTJABC
7PKT6YNTJABC	https://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/freeProductCodeWizard?code=XAPYAFPWYABC
LH7K9RX6MABC	https://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/freeProductCodeWizard?code=LH7K9RX6MABC
JAFFRAFEWABC	https://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/freeProductCodeWizard?code=JAFFRAFEWABC
R3M7JP99AABC	https://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/freeProductCodeWizard?code=R3M7JP99AABC
FKTKNTJM6ABC	https://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/freeProductCodeWizard?code=FKTKNTJM6ABC
9HX4KNX9XABC	https://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/freeProductCodeWizard?code=9HX4KNX9XABC

VPP Code Distribution



iTunes Gift Codes

https://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/com.apple.jingle.app.finance.DirectAction/freeProductCodeWizard?code=LYWW6JTXJWWK&mt=8

iTunes Gift Codes

https://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/com.apple.jingle.app.finance.DirectAction/freeProductCodeWizard?code=LYWW6JTXJWWK&mt=8

iTunes Gift Codes

LYWW6JTXJWWK

Volume Purchase Codes	
Order Number	JURG2DD[illegible]9
Product	Keyno[illegible] v1.6.1
Purchaser	Ch[illegible]es Edge <krypted@me.com>
Codes Purchased	9481
Codes Redeemed	0
Codes Remaining	9481
Code	**Redemption Link**
7PKT6YNTJABC	https://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/freeProductCodeWizard?code=7PKT6YNTJABC
7PKT6YNTJABC	https://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/freeProductCodeWizard?code=XAPYAFPWYABC
LH7K9RX6MABC	https://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/freeProductCodeWizard?code=LH7K9RX6MABC
JAFFRAFEWABC	https://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/freeProductCodeWizard?code=JAFFRAFEWABC
R3M7JP99AABC	https://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/freeProductCodeWizard?code=R3M7JP99AABC
FKTKNTJM6ABC	https://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/freeProductCodeWizard?code=FKTKNTJM6ABC
9HX4KNX9XABC	https://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/freeProductCodeWizard?code=9HX4KNX9XABC

iTunes Gift Codes

Anyone Done This?

Anyone Done This?

Swag

Download Instructions – Mac App Store

Before you attempt to redeem your codes and download the software, please verify that:

- You have an Apple ID that has purchased Mac App Store Apps or iTunes purchases. If not, you will n
  create a new Apple ID (go to http://appleid.apple.com)
- You have enough free space on your HD for the download – 5GB
- You have a dependable network connection (wired is preferable)
- Your Mac App Store is set to the Country associated with your Apple ID

Click here to start the OS X Mountain Lion seed download:
macappstores://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/redeemLandingPage?code=9MYJYE

Developer Connection

Redeem With AppleID

Or Apple Configurator

Prepare

Or Apple Configurator

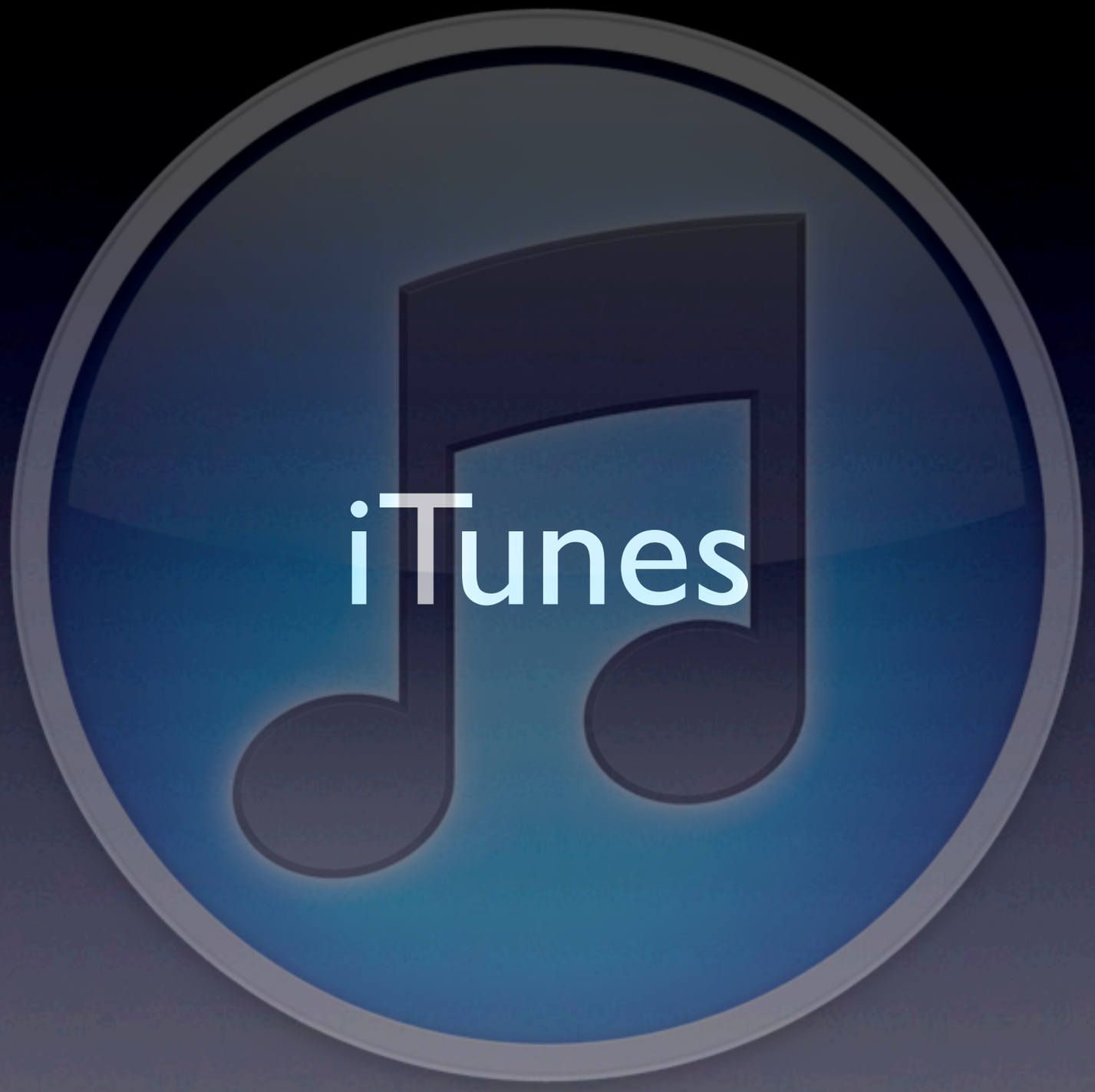
Prepare

Supervise

Or Apple Configurator

Imaging 101

The Tools


iTunes

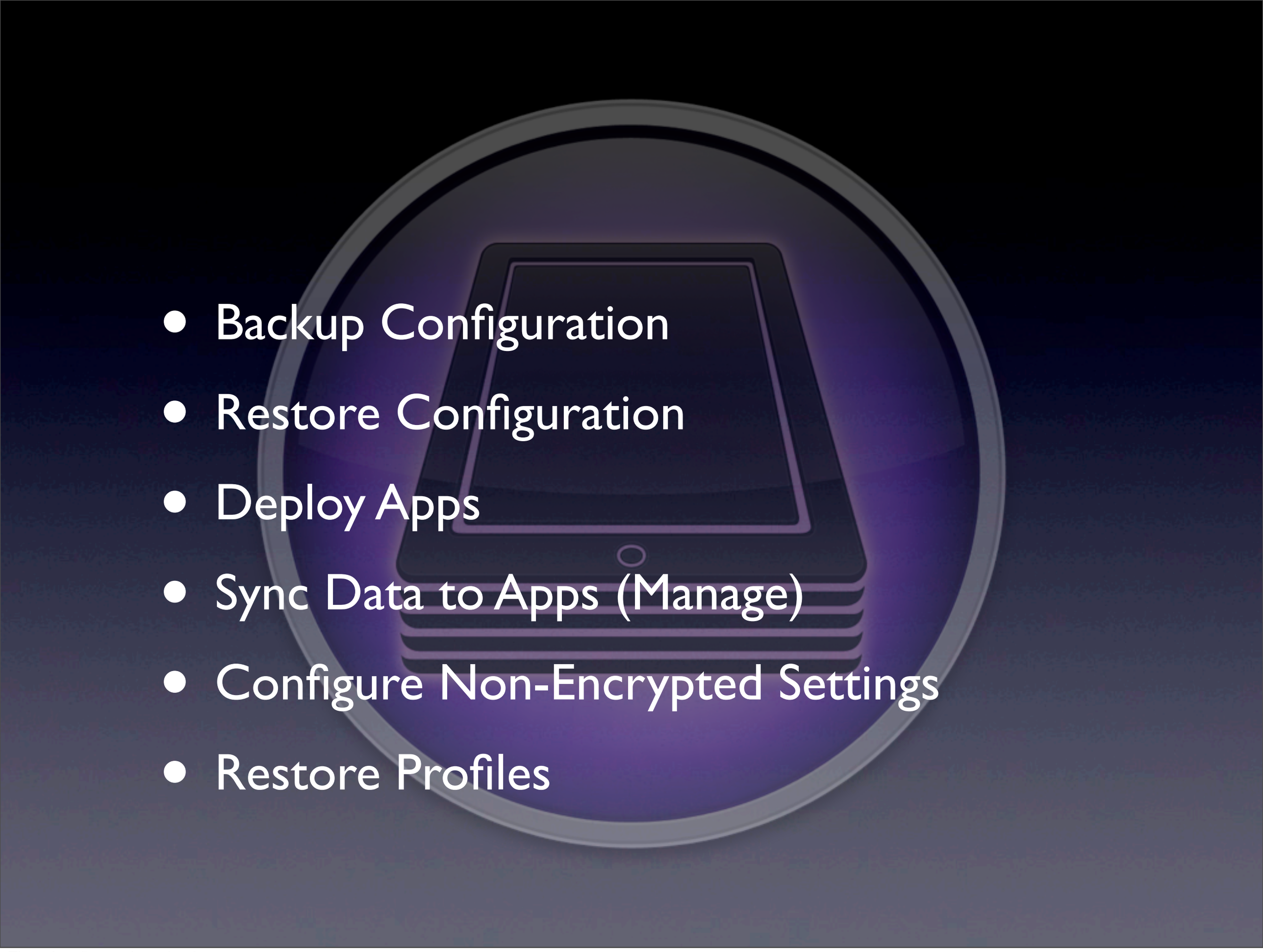
iTunes Tasks

- Make Backups
- Restore Backups
- Buy/Install Apps
- Sync Data to Apps
- Configure Device

Gotchas

- One Device At A Time
- AppleIDs & Apps

Apple Configurator



- Backup Configuration
- Restore Configuration
- Deploy Apps
- Sync Data to Apps (Manage)
- Configure Non-Encrypted Settings
- Restore Profiles

Apple Configurator

- Backup Configuration
- Restore Configuration
- Deploy Apps
- Sync Data to Apps (Manage)
- Configure Non-Encrypted Settings
- Restore Profiles

- VPP Codes
- Backups not encrypted
- Internet Access required to activate
- Still need iTunes to get Apps
- VPP Codes & Configurator Backups
- Apps & AppleIDs

Gotchas

- VPP Codes
- Backups not encrypted
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- VPP Codes & Configurator Backups
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Announcement

BYOD

BYOD

No Imaging Required?

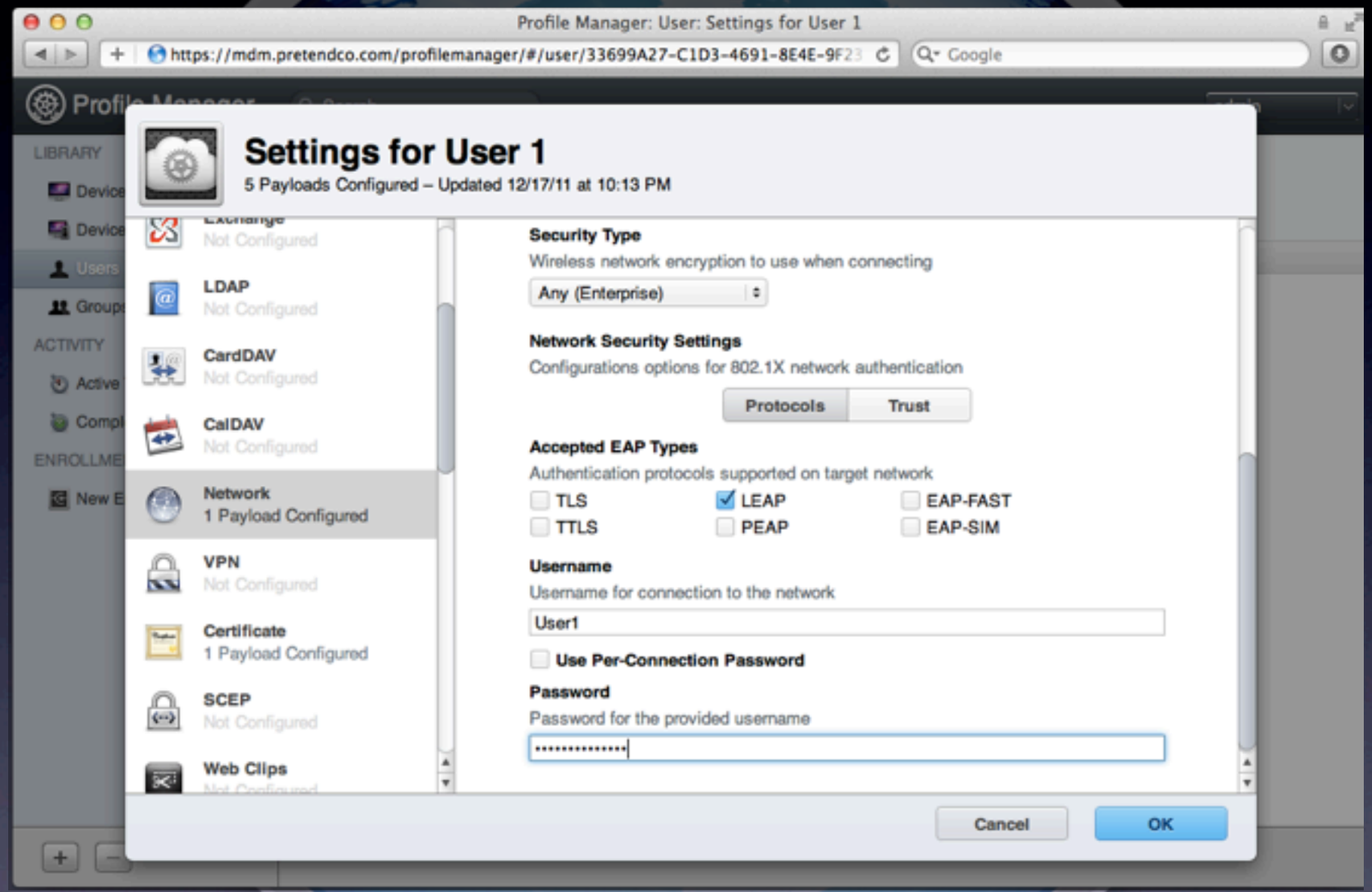
MDM 101

Exchange ActiveSync

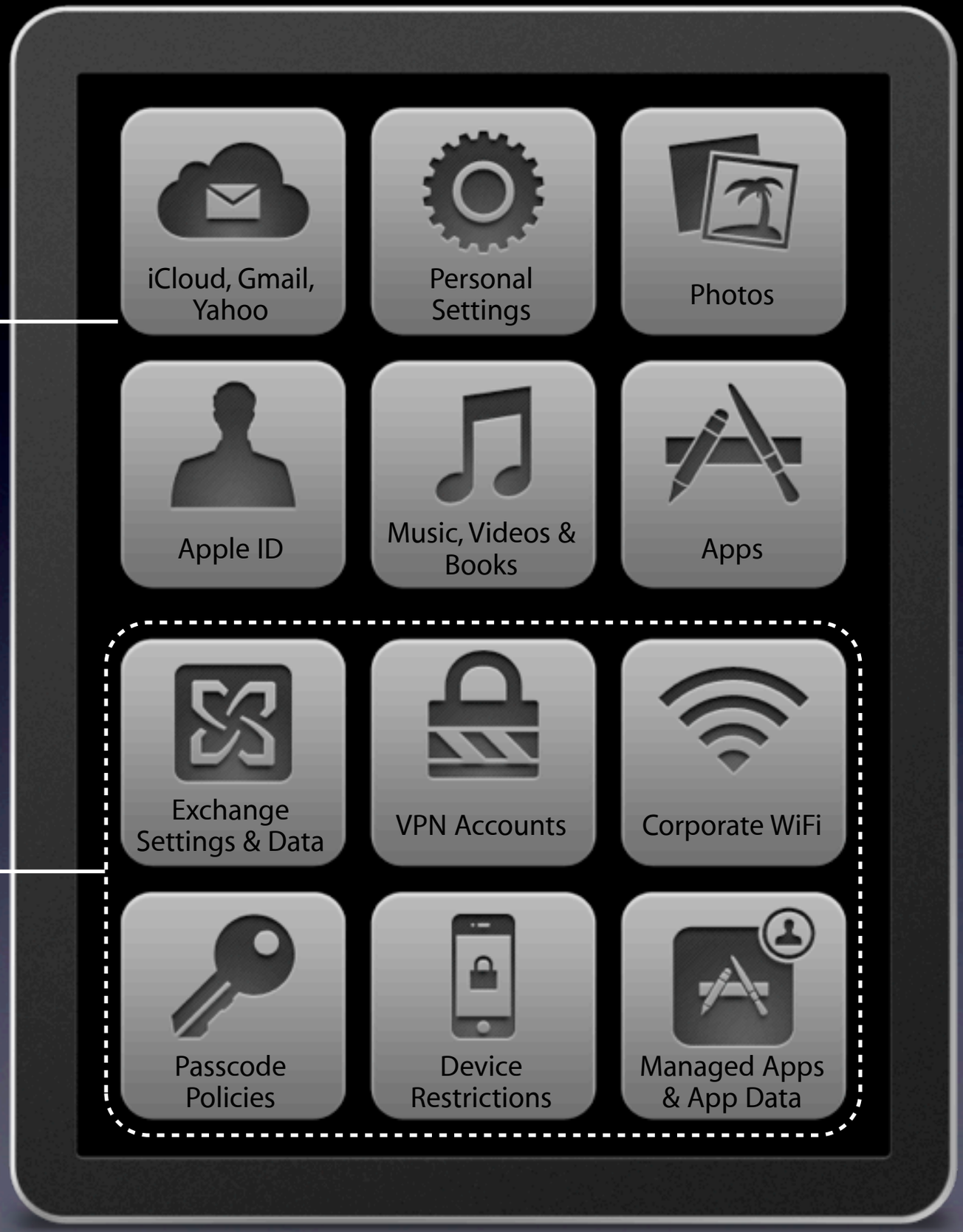
No Restore Functionality

Users Must Accept Apps

Profile Manager 2


Profile Manager: User: Settings for User 1
https://mdm.pretendco.com/profilemanager/#/user/33699A27-C1D3-4691-8E4E-9F23
Google
LIBRARY
Devices
Device
Users
Groups
ACTIVITY
Active
Compl
ENROLLME
New E
Settings for User 1
5 Payloads Configured – Updated 12/17/11 at 10:13 PM
Not Configured
LDAP
Not Configured
CardDAV
Not Configured
CalDAV
Not Configured
Network
1 Payload Configured
VPN
Not Configured
Certificate
1 Payload Configured
SCEP
Not Configured
Web Clips
Security Type
Wireless network encryption to use when connecting
Any (Enterprise)
Network Security Settings
Configurations options for 802.1X network authentication
Protocols
Trust
Accepted EAP Types
Authentication protocols supported on target network
TLS
LEAP
EAP-FAST
TTLS
PEAP
EAP-SIM
Username
Username for connection to the network
User1
Use Per-Connection Password
Password
Password for the provided username
Cancel
OK

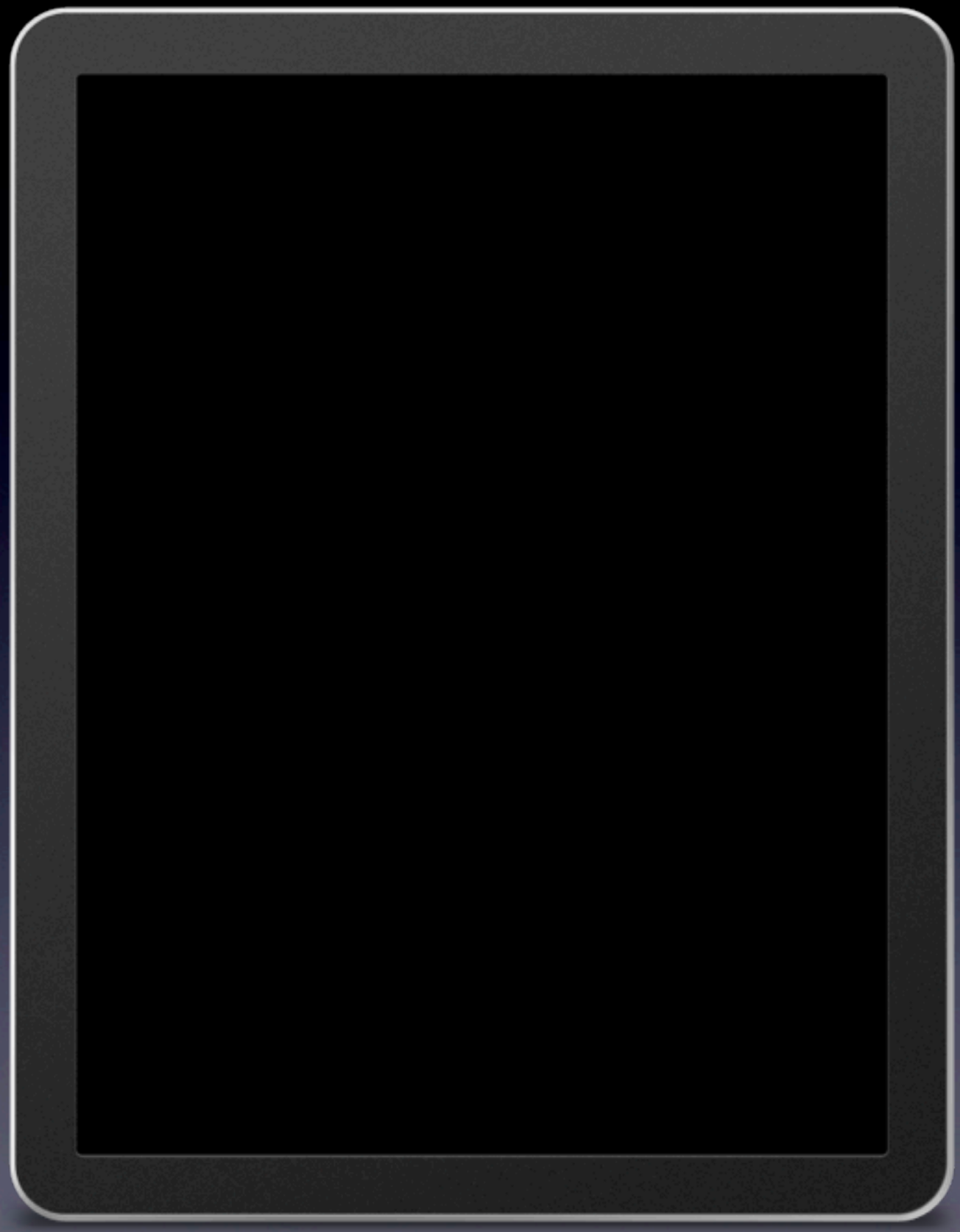
Image


iCloud, Gmail, Yahoo
Personal Settings
Photos
Apple ID
Music, Videos & Books
Apps
Exchange Settings & Data
VPN Accounts
Corporate WiFi
Passcode Policies
Device Restrictions
Managed Apps & App Data

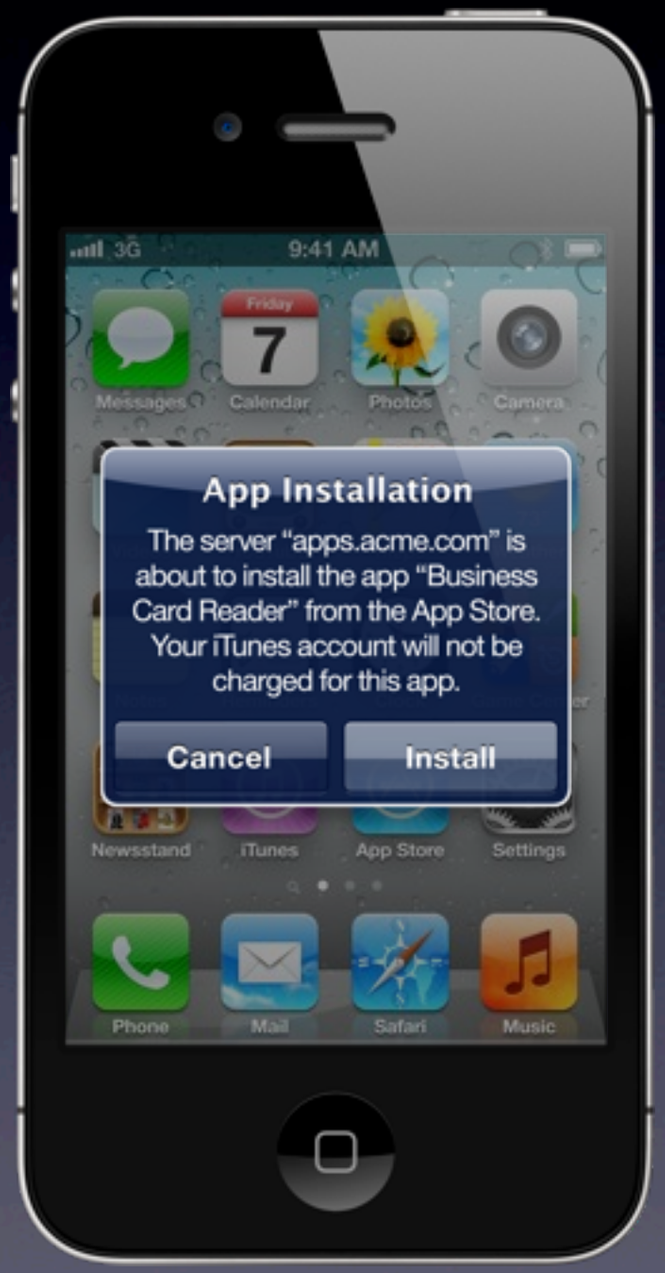
MDM

Image

iCloud, Gmail, Yahoo
Personal Settings
Photos
Apple ID
Music, Videos & Books
Apps



iCloud, Gmail, Yahoo
Personal Settings
Photos
Apple ID
Music, Videos & Books
Apps


3G
9:41 AM
Messages
Friday
7
Calendar
Photos
Camera
App Installation
The server “apps.acme.com” is about to install the app “Business Card Reader” from the App Store. Your iTunes account will not be charged for this app.
Cancel
Install
Newsstand
iTunes
App Store
Settings
Phone
Mail
Safari
Music

3G
9:41 AM
Friday
Apple ID Password
jappleseed@apple.com
password
Cancel
OK
Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M
.?123
space
return

3G
9:41 AM
BC Reader
Phone
Mail
Safari
Music

Does data persist on reinstall of app?

Does data persist on reinstall of app?

Swag

3rd Party Tools

Data 101

Different For Everyone

iCloud

Some Disable iCloud Completely

iTunes

Apple Configurator

File Servers

Apple's Wiki

Dropbox

Box.net

Sharepoint

Google Drive

Use Cases

Corporate

Corporate

- Apple Configurator

Corporate

- Apple Configurator
- Prepare Mode

Corporate

- Apple Configurator
- Prepare Mode
- MDM

Corporate

- Apple Configurator
- Prepare Mode
- MDM
- Apps from VPP via MDM

Corporate

- Apple Configurator
- Prepare Mode
- MDM
- Apps from VPP via MDM
- Data on File Servers

Corporate

- Apple Configurator
- Prepare Mode
- MDM
- Apps from VPP via MDM
- Data on File Servers
- Automatic MDM Enrollment?

Lab

Lab

- Apple Configurator

Lab

- Apple Configurator
- Supervise Mode

Lab

- Apple Configurator
- Supervise Mode
- MDM Optional

Lab

- Apple Configurator
- Supervise Mode
- MDM Optional
- Apps from VPP via Apple Configurator

1 to 1

1 to 1

- Apple Configurator
- Supervise Mode?
- Apps from VPP if using Supervise Mode
- MDM

1 to 1 Elementary School

1 to 1 Elementary School

- Apple Configurator
- Supervise Mode?
- MDM
- OR iTunes + MDM

3rd Party Imaging Center

3rd Party Imaging Center

- Apple Configurator
- Or iTunes?
- MDM?
- No VPP?
- No AppleID?

BYOD

BYOD

- End Users Use iTunes

BYOD

- End Users Use iTunes
- MDM

BYOD

- End Users Use iTunes
- MDM
- VPP?

BYOD

- End Users Use iTunes
- MDM
- VPP?
- AppleID?

The Future

VPP In More Countries

Regression Testing

Eggplant

Jailbreak

Simulator +

Needed?

Bulk Creation From Directory Services

Bulk Association Of Apps

Change AppleID for Apps

Q&A