

iOS En Masse

Charles Edge
Chief Technology Officer, 318

What We'll Cover

What We'll Cover

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

VPP 101

In Sweden?

In Sweden?

Booooooooo

In Sweden?

Boooooooooo

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

In Sweden?

Boooooooooo

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

Gift This App
Add to Wish List
Tell a Friend
Copy Link
Share On Facebook
Share On Twitter

iTunes Gift Codes

<https://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/com.apple.jingle.app.finance.DirectAction/freeProductCodeWizard?code=LYVWV6JTXJWWK&mt=8>

iTunes Gift Codes

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iTunes Gift Codes

LYWW6JTXJWWK

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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

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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 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 need to 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=9MYJYB>

Developer Connection



 **Sign In to download from the iTunes Store**

If you have an Apple ID and password, enter them here. If you've used the iTunes Store or iCloud, for example, you have an Apple ID.

Apple ID Password [Forgot?](#)

Remember password



Redeem With AppleID



Or Apple Configurator

Prepare



Or Apple Configurator

Prepare

Supervise



Or Apple Configurator

Imaging 101

The Tools





iTunes Tasks



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

Gotchas



- One Device At A Time
- Labor Intensive
- AppleIDs & Apps



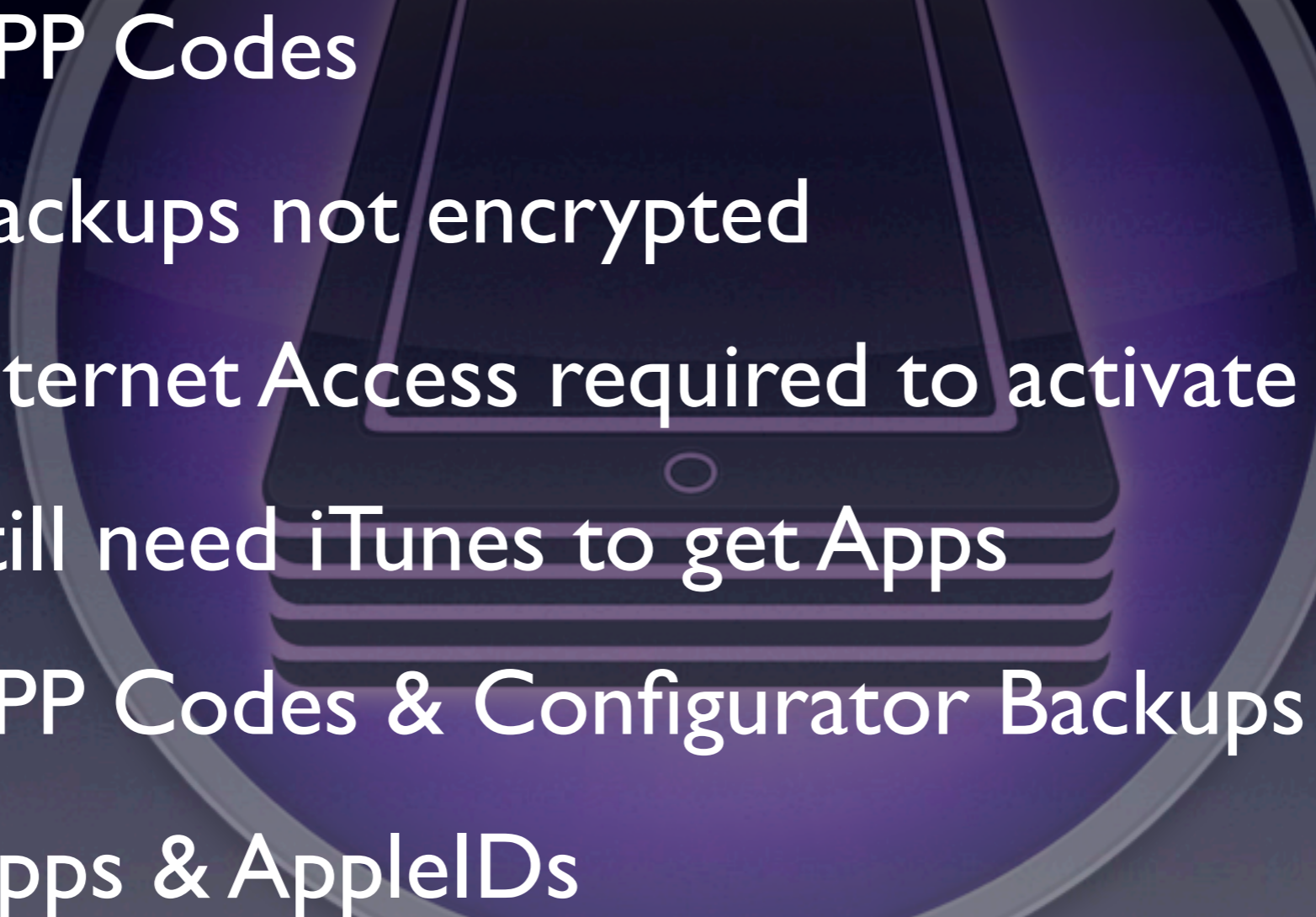
The logo for Apple Configurator is a circular emblem with a purple-to-blue gradient. Inside the circle is a stylized, layered representation of an iPad, with the top layer being a single device and the bottom layers being multiple horizontal lines representing a stack. The text "Apple Configurator" is overlaid in white, sans-serif font across the center of the emblem.

Apple Configurator

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
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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

Settings for User 1

5 Payloads Configured – Updated 12/17/11 at 10:13 PM

- Exchange 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 Not Configured

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

<input type="checkbox"/> TLS	<input checked="" type="checkbox"/> LEAP	<input type="checkbox"/> EAP-FAST
<input type="checkbox"/> TTLS	<input type="checkbox"/> PEAP	<input type="checkbox"/> EAP-SIM

Username
Username for connection to the network
User1

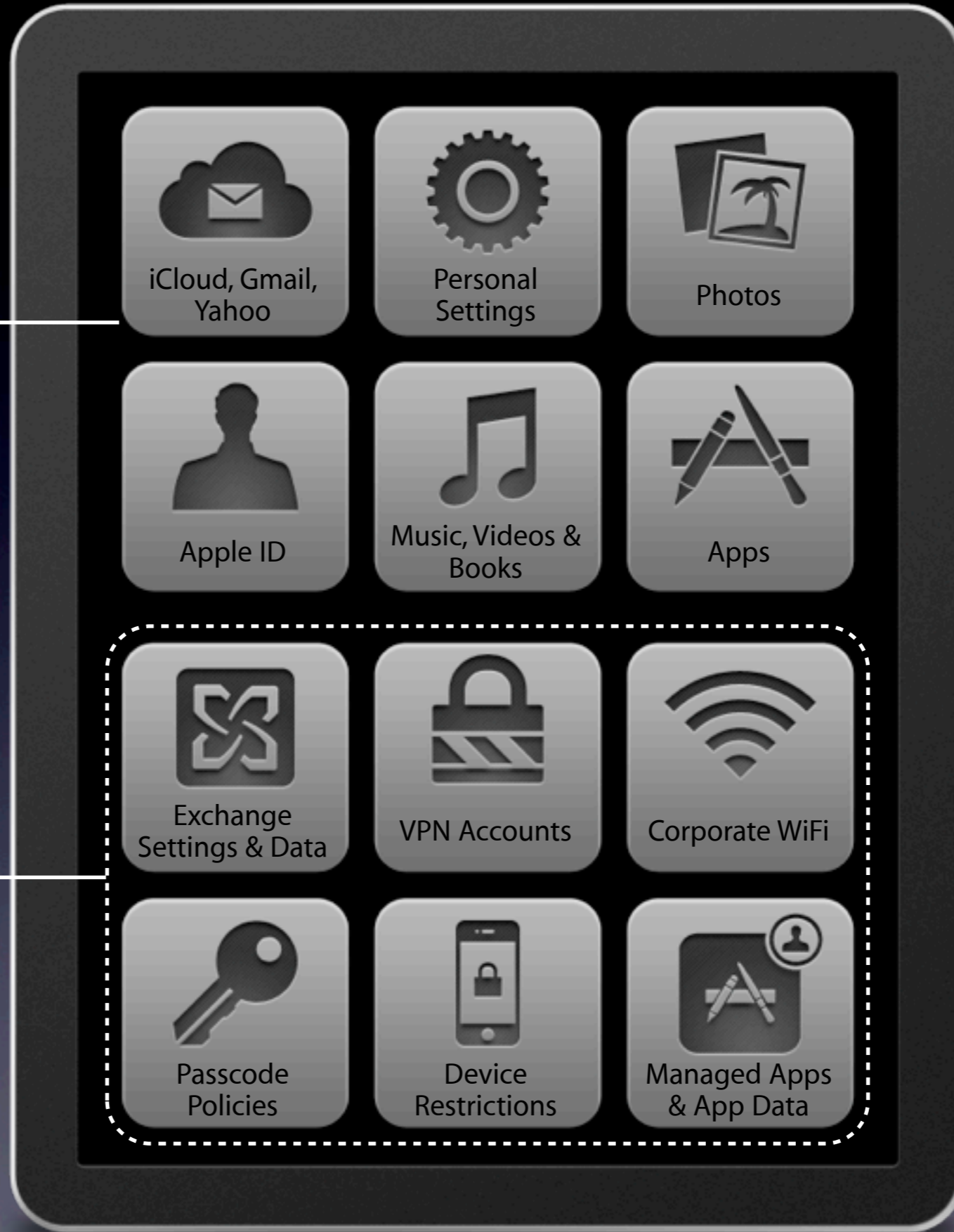
Use Per-Connection Password

Password
Password for the provided username
.....

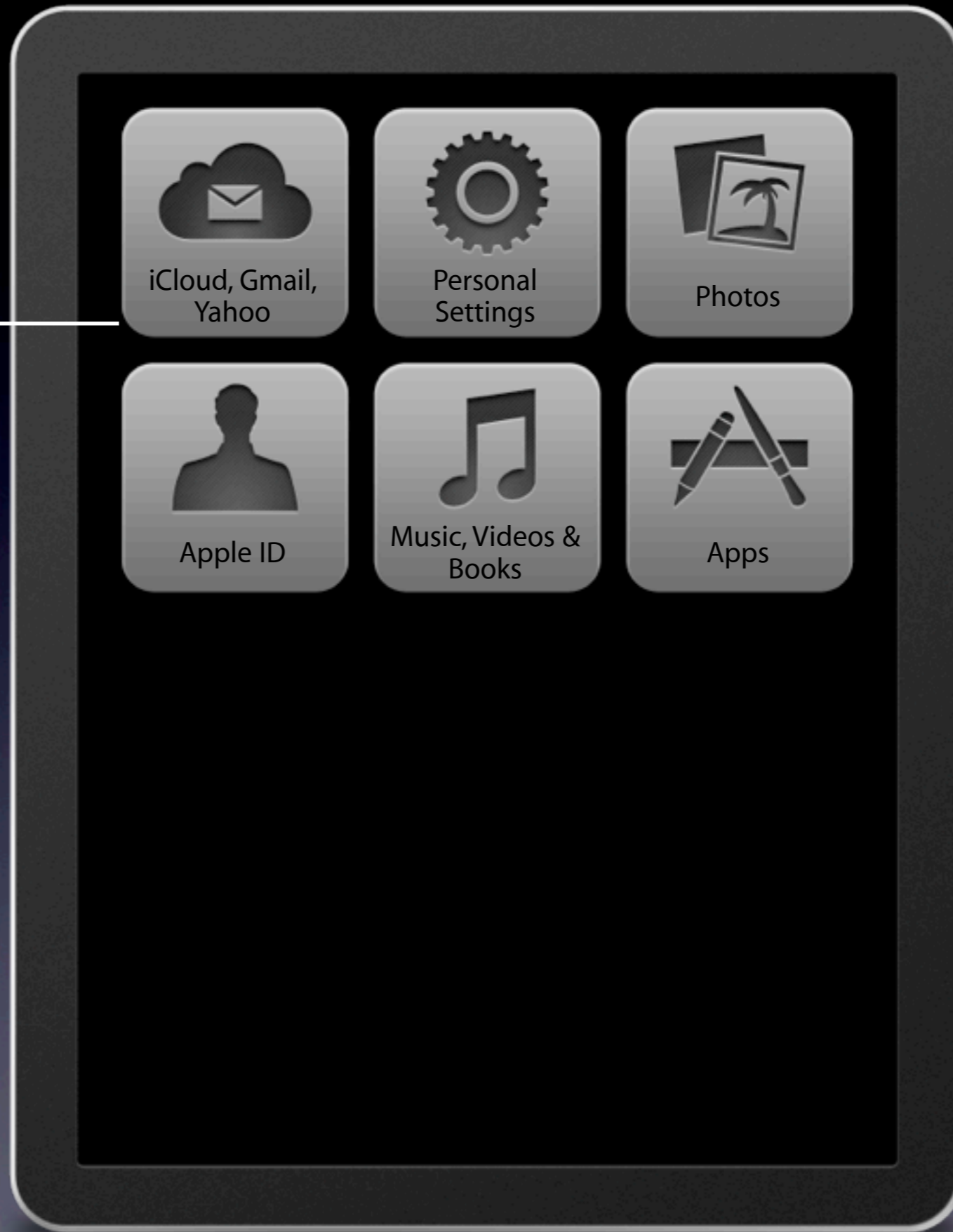
Cancel OK

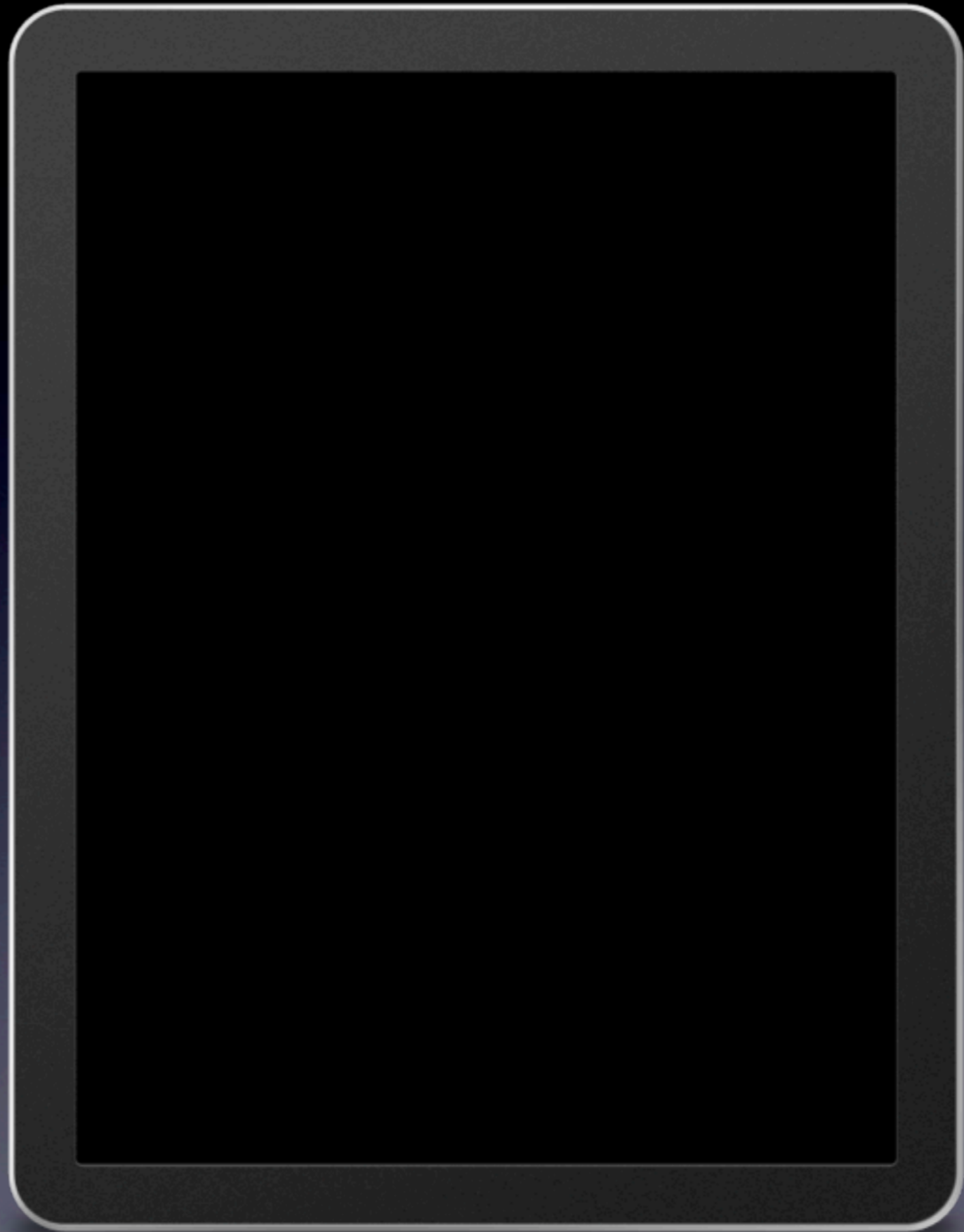
Image

MDM



Image

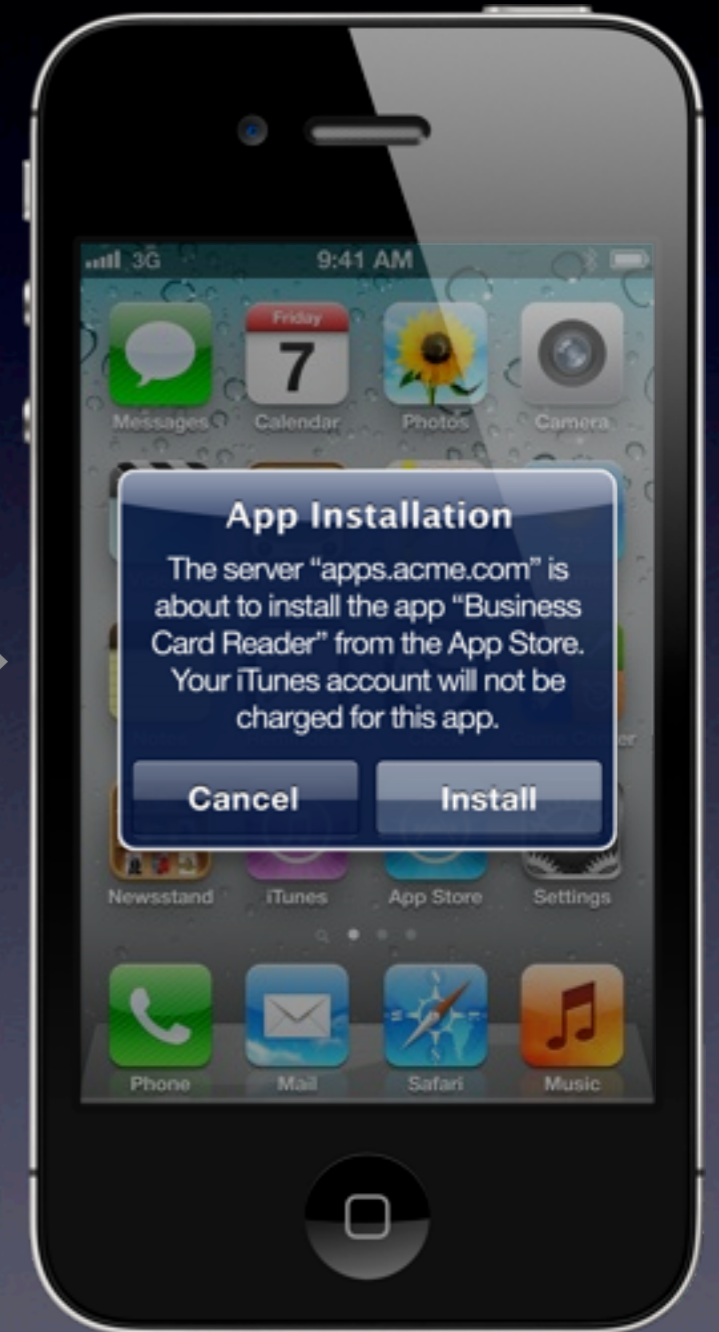






App Deployment

App Deployment



App Deployment



App Deployment



Does data persist on
reinstall of app?

3rd Party Tools

EnterpriseiOS.com

Data 101

Different For Everyone

iCloud

Disable iCloud?

iTunes

Apple Configurator

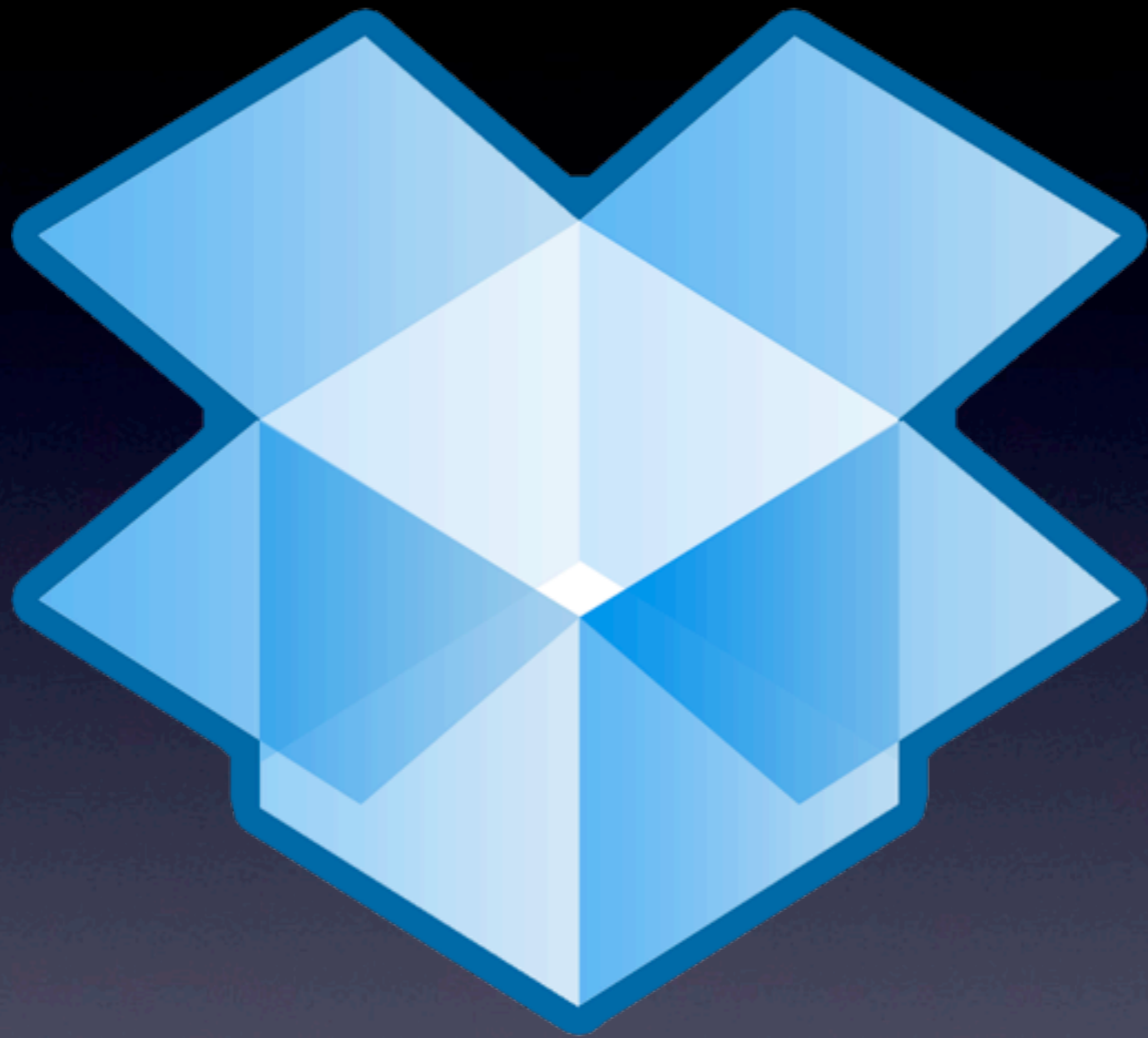




File Servers



Apple's Wiki





Dropbox

Box.net



The logo features a central globe with a blue and white color scheme. Overlaid on the globe are two large, 3D-style arrows: a light green arrow pointing upwards and a light blue arrow pointing downwards. These arrows are positioned on a circular base that is divided into two colored segments, light green on the left and light blue on the right. The word "Sharepoint" is written in a white, sans-serif font across the center of the globe and arrows.

Sharepoint



The Google Drive logo is centered on a dark blue gradient background. It consists of three overlapping triangles: a green triangle on the left, a blue triangle on the right, and a brown triangle at the top. The text "Google Drive" is overlaid on these triangles. "Google" is in white, and "Drive" is in a light yellow color.

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

I to I

| to |

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

I to I 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?

Scripting

Location Services In Retail

802.1x Cert Revocation

App Versions

Restricting Apps

Application Data

activeEcho

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