

Thank you for recently attending the Deploying & Managing iOS 5 Devices in Education presentation. I've included links for content in the presentation for your perusal. Listed first here is the iOS 5 Education Deployment Guide which covers much of the content presented. The three sections we covered during the presentation are outlined below.

iOS 5 Education Deployment Guide

<http://www.apple.com/education/resources/information-technology.html>

Configuration & Management

iPhone Configuration Utility

<http://support.apple.com/kb/dl851>

Mobile Device Management

<http://www.apple.com/iphone/business/integration/mdm/>

Profile Manager

<http://www.apple.com/support/lionserver/profilemanager/>

Enabling Mobile Device Management on OS X Lion Server

<http://help.apple.com/profilemanager/mac/10.7/#apd05B9B761-D390-4A75-9251-E9AD29A61D0C>

Managing iOS Devices with OS X Lion Server by Arek Dreyer (\$4.99)

<http://itunes.apple.com/us/book/managing-ios-devices-os-x/id455014665?mt=11>

Video tutorials about Managing iOS and Mac with OS X Lion Server and Profile Manager:

Managing iOS Devices with Lion Server

<http://www.apple.com/education/resources/information-technology.html#ios-devices-with-lion-server>

Introduction to Profile Manager

<http://www.apple.com/education/resources/information-technology.html#introduction-to-profile-manager>

Managing Macs with OS X Lion Server

<http://www.apple.com/education/resources/information-technology.html#managing-macs-with-lion-server>

Getting Started with Apple Configurator

The Apple Configurator application, available for free from the Mac App Store, allows preparation, supervision, and assignment of iOS devices. This tool requires Mac OS X 10.7.2 or later. Here are some key features:

Prepare devices

- Configure up to 30 devices at a time
- Update devices to the latest version of iOS
- Create and restore a backup of settings and app data from one device to other devices
- Import apps into Apple Configurator and sync them to new devices*
- Use the built-in editor to create and install iOS configuration profiles
- Enroll devices with your Mobile Device Management solution for remote management

Supervise devices

- Organize supervised devices into custom groups
- Automatically apply common configurations to supervised devices
- Quickly reapply a configuration to a supervised device and remove the previous user's data
- Import apps into Apple Configurator and sync them to supervised devices*
- Define and apply common or sequential names to all devices
- Restrict supervised devices from syncing with other computers

Assign devices

- Add users and groups manually or auto-populate via Open Directory or Active Directory
- Check out a device to a user and restore the user's settings and data on that device
- Check in a device from a user and back up the data for later use, possibly on a different device
- Apply custom text, wallpaper, or the user's picture to a device's Lock screen
- Import and export documents between your Mac and Apple Configurator
- Sync documents between assigned devices and Apple Configurator

Download Apple Configurator (free)

<http://itunes.apple.com/us/app/apple-configurator/id434433123?mt=12>

Apple Configurator Help

<http://help.apple.com/configurator/mac/1.0/>

Apple Configurator: Using Volume Purchase Program Redemption Codes

<http://support.apple.com/kb/HT5188>

Apple Configurator: Configure for long-term checkout, preserve user apps

<http://support.apple.com/kb/HT5203>

Apple Configurator: Coordinating device names with slot numbers in racks

<http://support.apple.com/kb/HT5185>

Apple Configurator: Backing up and restoring data

<http://support.apple.com/kb/HT5194>

Deployment Examples using Apple Configurator

Preparing new devices for personal use:

<http://help.apple.com/configurator/mac/1.0/#cad863ddb98>

Deploying unassigned devices:

<http://help.apple.com/configurator/mac/1.0/#cad863de258>

Assigning supervised devices to specific users:

<http://help.apple.com/configurator/mac/1.0/#cad96c7bb1f>

Licensing

Getting Started with VPP

- The first step is to enroll in the Volume Purchase Program as a Program Manager (PM). Visit <http://edu-vpp.apple.com/asvpp.html>
- Once the PM receives a welcome email he or she can create Program Facilitators by visiting the same website as noted above.
- Enter an email address for a staff member who will be purchasing app codes for redemption by end users
- Program Facilitators can redeem volume vouchers and purchase app codes by visiting <http://volume.itunes.apple.com/us/store>
- Program Facilitator will be able to download a spreadsheet containing app codes for redemption. The codes can then be sent to end users or used with Apple Configurator

For more information on VPP please visit:

<http://www.apple.com/itunes/education/>

No Credit Card iTunes Account Set Up

<http://support.apple.com/kb/ht2534>

App Store Volume Purchase Program Webinar (online walkthrough of VPP - this webinar allows questions to be asked)

<https://edseminars.apple.com/series/4G2Y0-o52PX>

App Store Volume Purchase Program Webinar (online walkthrough of VPP - on demand/recorded version)

<https://edseminars.apple.com/event/B657d-79ghC>

Deployment

Recall that “who owns content?” is the first question we must ask in preparing for deployment of iOS devices. The answer to this question will shape how we deploy, configure and manage the iOS devices in our schools. The deployment models are outlined below and can be further examined in the iOS 5 Education Deployment Guide beginning on page 25.

Personal Ownership Model

The Personal Ownership model is similar to the typical consumer experience. The education institution may or may not own the iOS device, but the end user takes responsibility for ongoing maintenance and retains ownership of all apps and content. A personal ownership strategy has the least impact on support resources because many care and maintenance responsibilities are shifted to the end user. The deployment timeline can be accelerated because little preparation work on devices is required. Users may also be more protective of assigned devices if they can personalize content.

The Personal Ownership model delivers the optimal user experience for students who are at least 13 years old and allowed to customize their own devices.

Institutional Ownership Model

Because the Personal Ownership model requires that app licenses are owned by the personal Apple ID of the end user, some institutions may want to use the Institutional Ownership model instead. Syncing multiple devices to a centrally controlled iTunes account gives education institutions a way to retain ownership of all app purchases.

Rather than the end user managing VPP app redemption codes, the institution performs all app code redemptions on sync stations, which are computers running iTunes using an Apple ID that the institution owns and controls. To receive new or updated apps that the institution has purchased, each iOS device must continue to be synced with the iTunes library from which it was first configured.

The Institutional Ownership model is preferred for temporary device usage and for deployments in which end users are under 13 years old.

Layered Ownership Model

While a Personal Ownership deployment allows the individual to own all content and an Institutional Ownership deployment allows the institution to retain ownership of all content, the Layered Ownership deployment allows for both parties to own their respective content on the same device.

The Layered Ownership model offers the end user full control over his or her content while allowing the institution to retain ownership of purchased apps. This makes it an excellent deployment strategy for all users age 13 and over.

Final Note

As you work through this material please don't hesitate to get in touch with your local Systems Engineer to discuss your workflows and deployment plans.