

Deploying and Managing iPads with an Apple Server

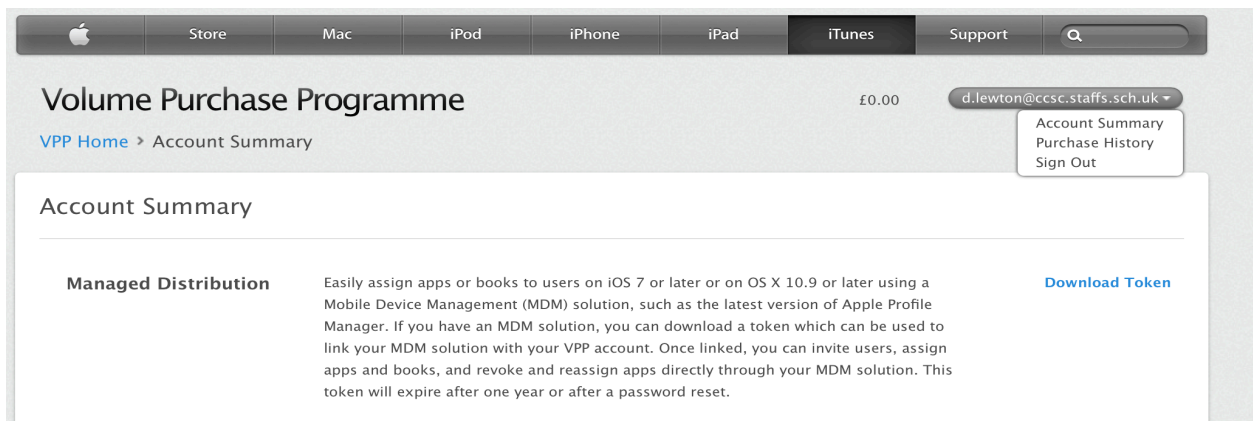
The guide requires that you have

- A Mac (preferably a Mac Mini as this device will be on 24/7 like a server)
- Mavericks Server with Profile Manager installed
- An Apple VPP Account
- Mac Server bound to your Active Directory

Section 1 – The VPP

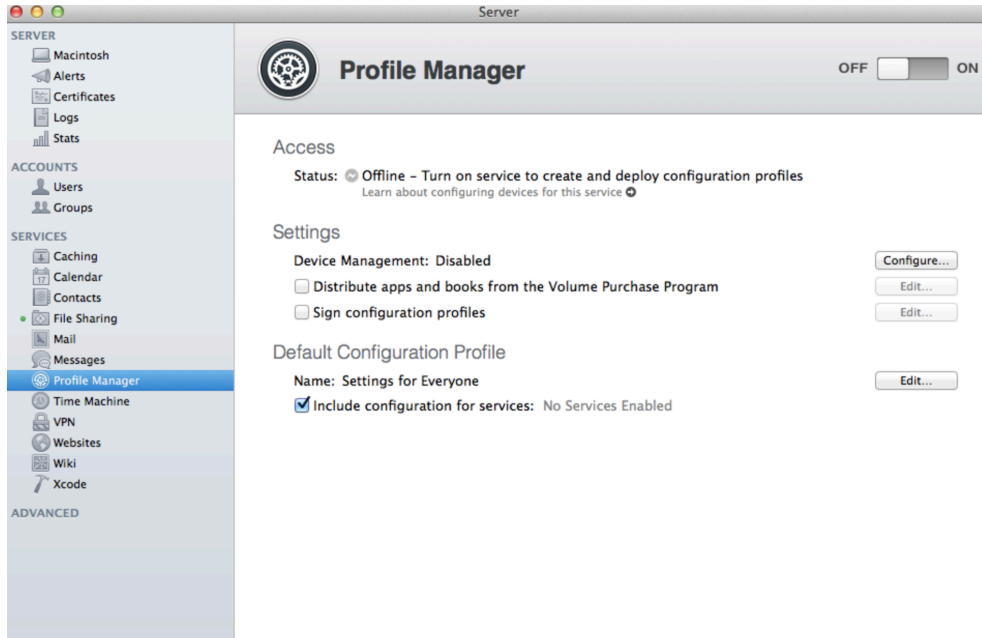
Sign up for a VPP account at <https://www.apple.com/education/it/vpp/>. This can take several days for Apple to approve.

Once approved we need to install your token into Profile Manager on the Apple Server. Login into VPP and click your ID on the top right and select Account Summary

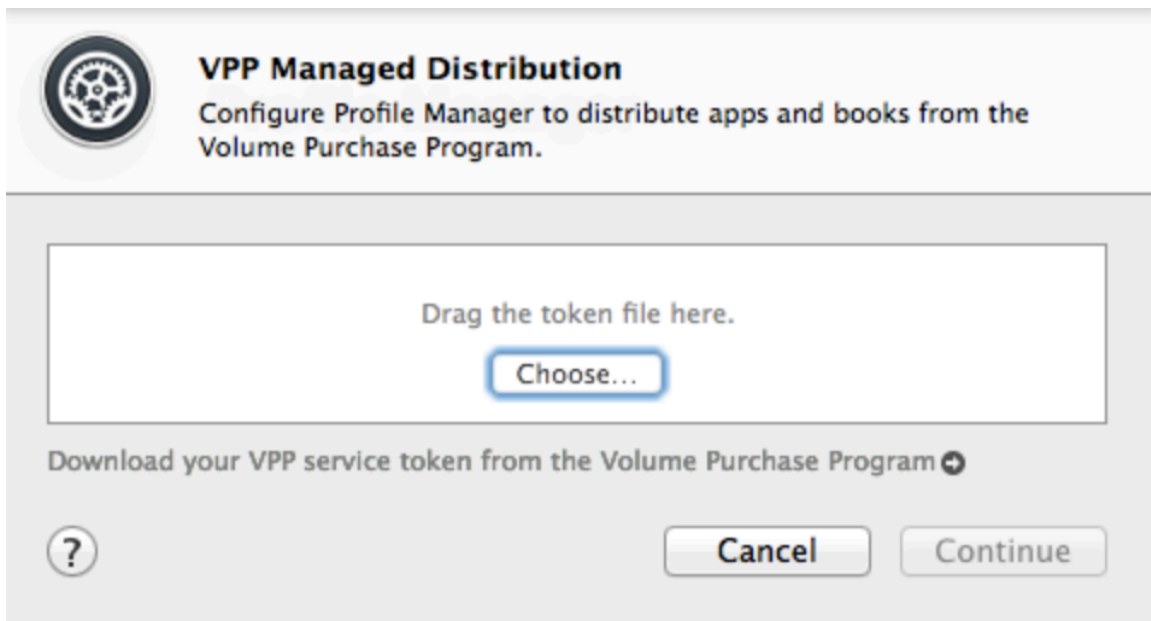


You should see 'Download Token' this is the file we need to import into profile manager.

Once you have your token, open the Server app on your Mac Server and click on the Profile Manager service.

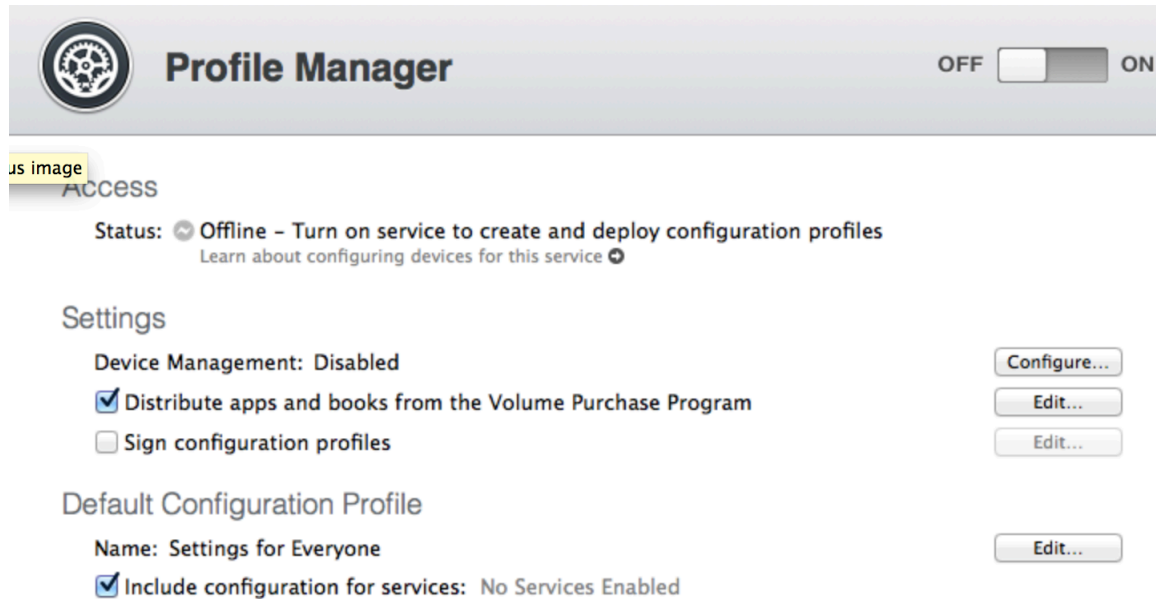


Click on the checkbox for Distribute apps and books from the Volume Purchase Program.



At the VPP Managed Distribution screen, drag the .vpptoken file downloaded

earlier into the screen or click Choose and select it.
Click Continue. The VPP code email address will appear in the screen. Click Done.



Back at the profile manager screen, you should then see that the checkbox is filled.

Profile manager is now setup for VPP.

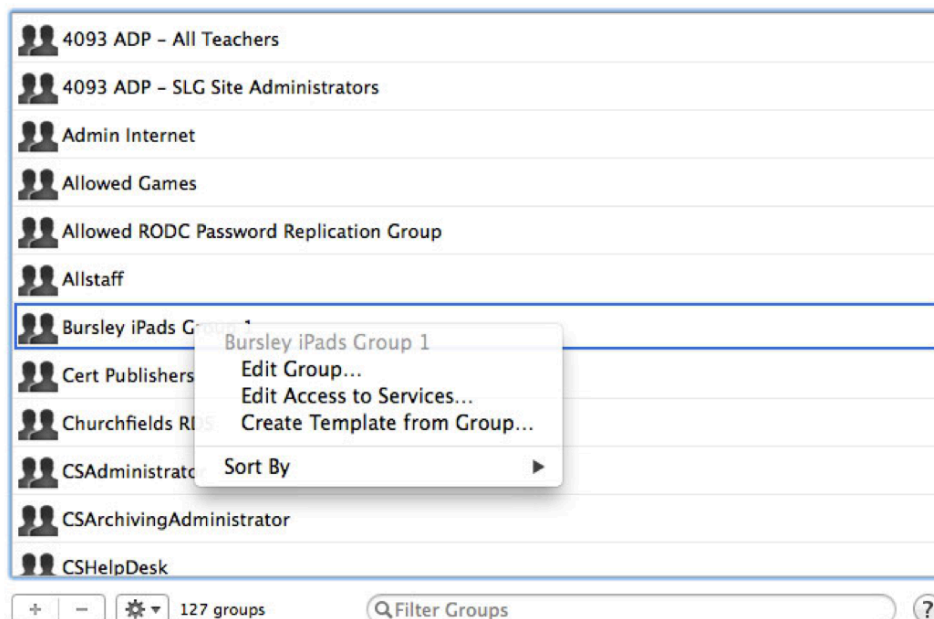
Section 2 – Apple ID and Users

With shared iPads I create 1 Apple ID per set if they are 1:1 allocation you may want 1 ID per student. This guide is for shared iPad setup.

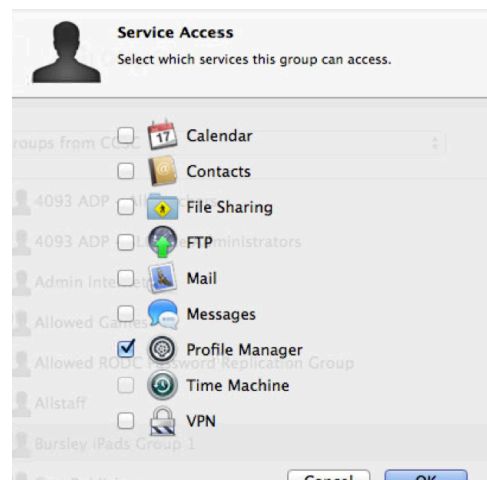
Create a new user in Active Directory that with an email address that will be used for the Apple ID, then sign up for an Apple ID.

Create a group in Active Directory for this set of iPads and add the user you just created to this group.

From the User Manager on the Mac Server select the group you made in Active Directory and right click and select 'Edit Access to Services'

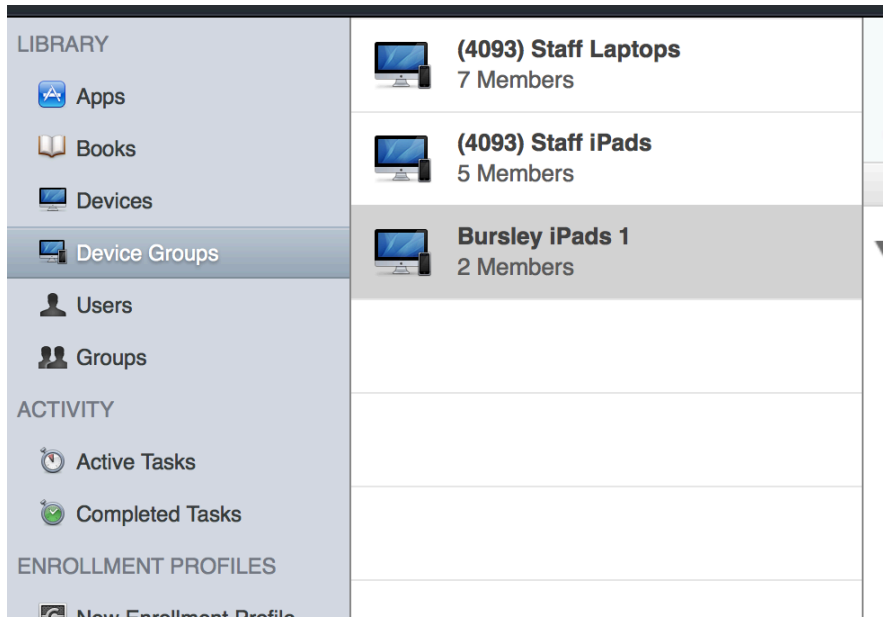


Select Profile manager and click OK.
This will allow that users of that group to login to the enrollment screen.



Load the Profile Manager web page
(mymacserver.mydomain.com/profileserver)

Create a device group for your set of iPads.



Section 3 - Setting up your iPads

To put the devices in Supervised mode and so we don't have to run through the normal setup wizard screens we need to use Apple Configurator.

You can download this from the App Store on your Mac Server or use your own Mac if the server is away in the Server room.

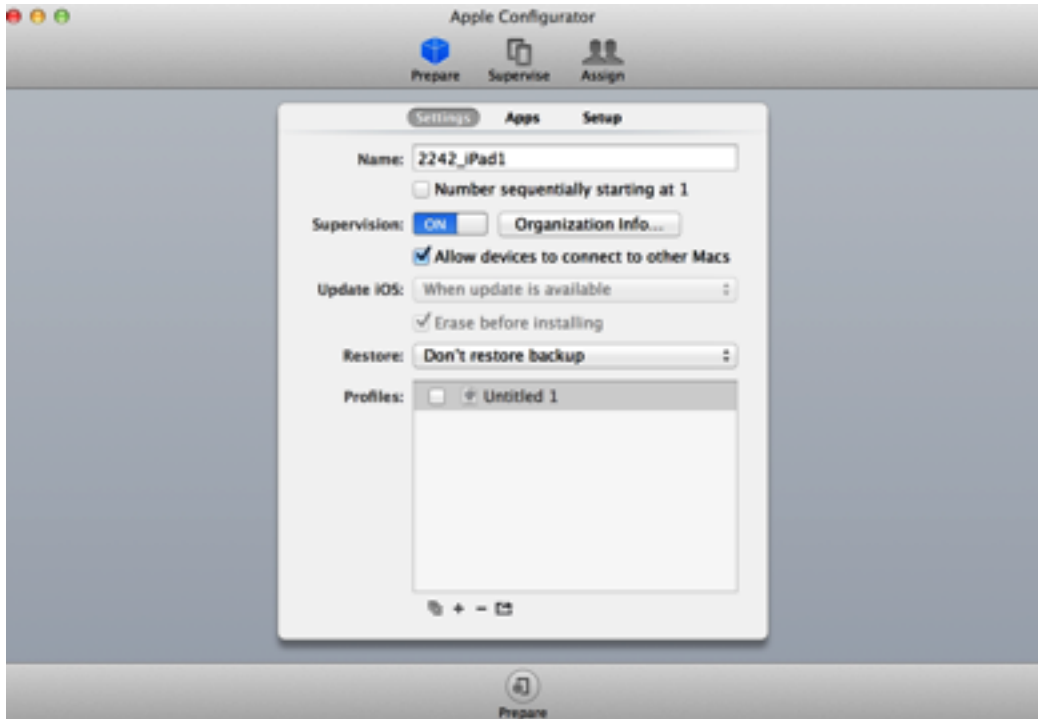


Unbox the iPad and connect to the Mac with Apple Configurator installed.

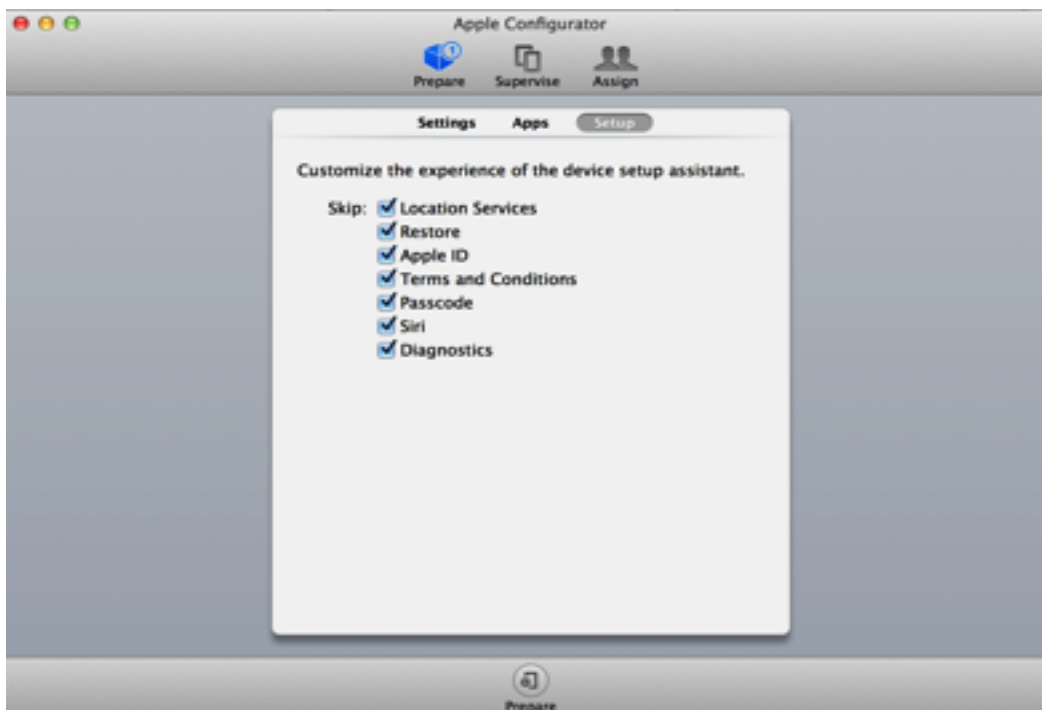
Click the **Prepare** button



Select Supervised to on and put the Organisation details in, and give the iPad a name i.e. 2242_iPad1 (the next one you do would be 2242_iPad2 etc)



4. Click the **Setup** button and tick all the boxes you wish to skip.



5. Click **Prepare**.

If this device has an older version of iOS this process can take a while it downloads the latest iOS version.



Once it has done walk through the onscreen prompts for region and wireless settings

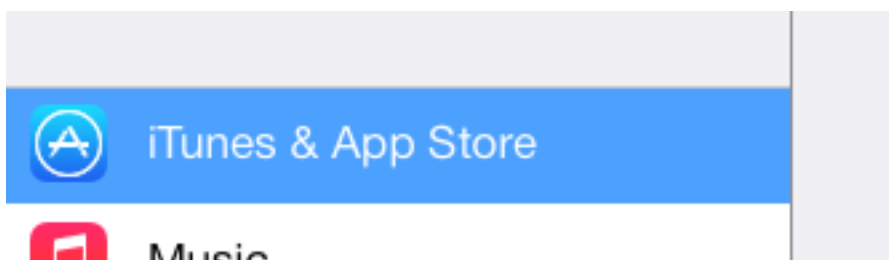
Make sure the device has internet access

Open Safari and go to <http://myserver.mydomain.com/mydevices> on the iPad

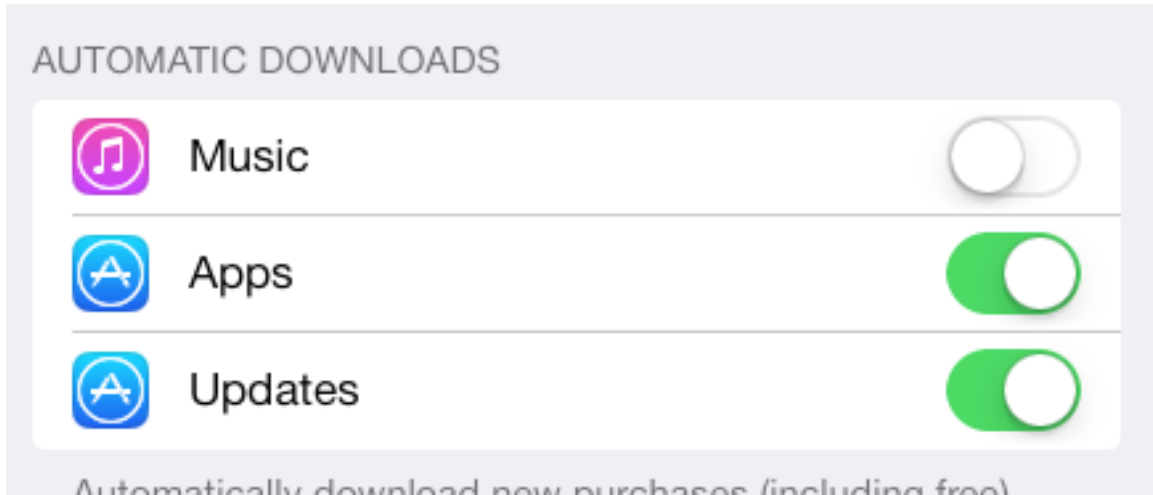
Login using the account you created in Active Directory in Section 2.

Press Enroll this device and install the Certificates when prompted.

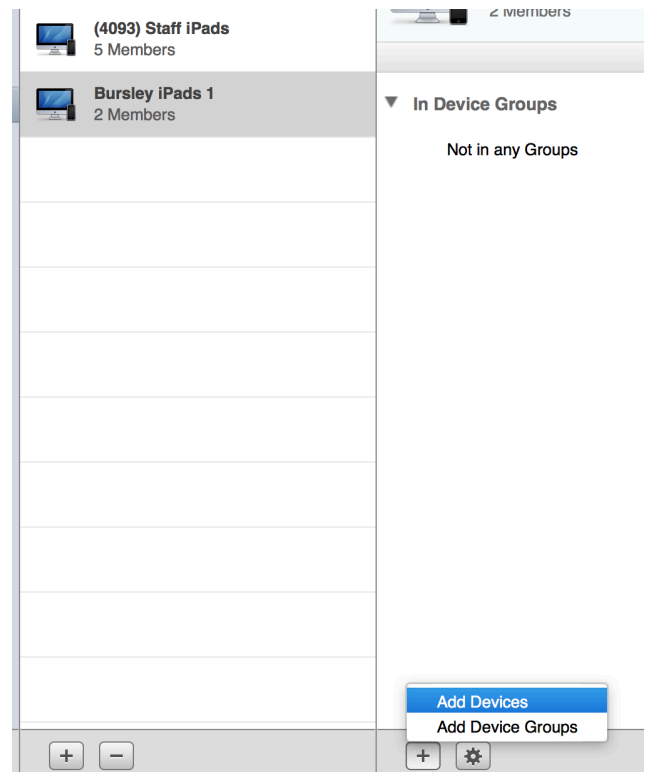
Next go to iTunes & App Store in Settings on the iPad and set the Apple ID to the Apple ID created in Section 2.



Then turn Apps to **ON** under Automatic Downloads



Go back to Profile Managers web interface and add the device to your iPad device group we created at the end of section 2



As this is the first iPad we are setting up we need to invite that Apple ID to our managed server.

Select the group you made in Section 2 in Profile Manager on the about Tab of that group expand the VPP Managed Distribution out, and click Send invitation to users' devices.

On the iPad you should get a prompt asking if you wish to accept, once its accepted this only needs to be done again if you create another Apple ID. If you're using the same Apple ID on each iPad you don't need to repeat this step.

The screenshot shows the 'VPP Managed Distribution' section in the Profile Manager. On the left, a list of groups is displayed: 'Allstaff' (90 Users), 'Bursley iPads Group 1' (1 User), 'Cert Publishers' (No Members), 'Churchfields RDS' (6 Users), 'CSAdministrator' (1 Groups, 15 Users), and 'CSArchivingAdministrator' (No Members). The 'Allstaff' group is selected. On the right, the 'VPP Managed Distribution' section shows 'No Users Enrolled'. Below this, there is an 'Invite:' dropdown menu set to 'Users not previously invited'. Two informational messages are displayed: 'An email invitation has not been sent to any users' (with a note that 1 of 90 users are missing an email address) and 'An invitation has not been sent to the devices of any users' (with a note that users not previously invited lack enrollment of an eligible device). Below each message is a button: 'Send email invitation' and 'Send invitation to users' devices'.

Group Name	Members
No Members	No Members
Allstaff	90 Users
Bursley iPads Group 1	1 User
Cert Publishers	No Members
Churchfields RDS	6 Users
CSAdministrator	1 Groups, 15 Users
CSArchivingAdministrator	No Members

VPP Managed Distribution

No Users Enrolled

Invite: **Users not previously invited**

⌚ An email invitation has not been sent to any users
1 of 90 users not previously invited are missing an email ad

Send email invitation

⌚ An invitation has not been sent to the devices of any users
Users not previously invited lack enrollment of an eligible d

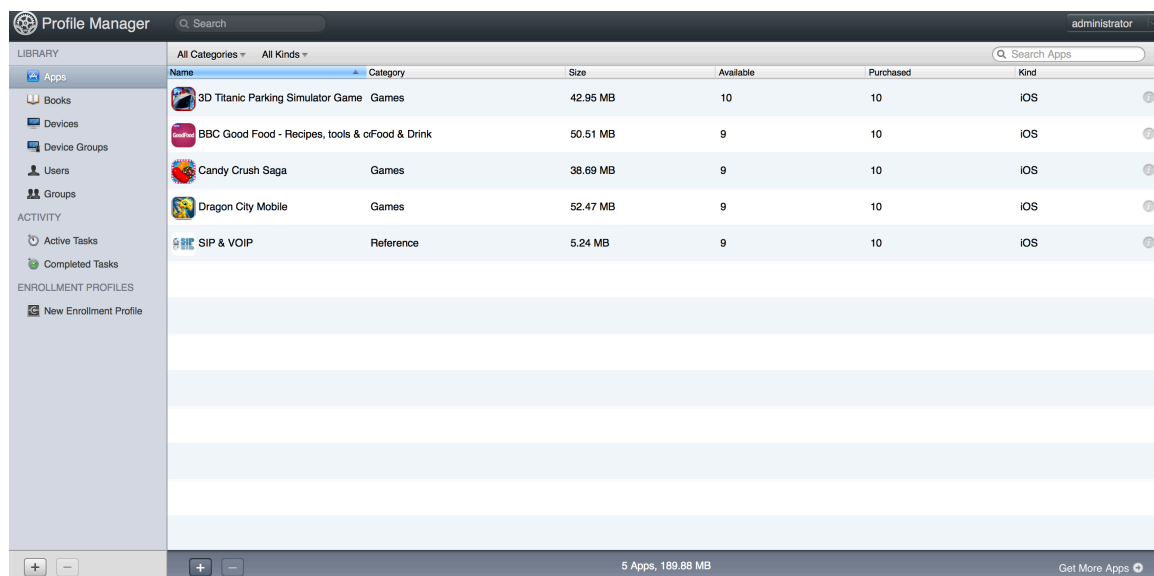
Send invitation to users' devices

The iPad is now setup.

Section 4 – Deploying Apps Silently.

You cannot deploy Apps to devices unless they are inhouse made, you can however deploy Apps to Groups or Users which are associated with devices. You are effectively pushing Apps to Apple IDs not devices.

First load Profile Managers web interface up, select Apps from the top left and the click get more apps on the bottom right.



You will then be take to the APP site need to login to the VPP site using your VPP purchasing Apple ID

Find the App you want select the quantity and place the order.

Search

Hungru Fish

Media Type

iOS Apps

Category

All

Search

Purchase Details

 **My Hungry Fish**
by Parves Miah

Price

Free iOS App

Quantity

10

Managed Distribution: Free apps are only available in bulk using managed distribution. Assign apps to users on iOS 7 or later or on OS X 10.9 or later using a Mobile Device Management (MDM) solution, such as the latest version of Apple Profile Manager. You retain ownership of apps only, allowing you to revoke and reassign them as needed.[Learn More](#)

Review Order

On the Order complete screen you should see Purchase History, click it and you can track the process of your order.



Your order is complete

You will be notified by email

You can also check on the status of your order

[Purchase History](#)

When it changes from Processing to Managed Licenses it should appear in your list of Apps in Profile Manager.

Order Date	Order	Name	Type	Quantity	Total	
Jan 16, 2014	MHKGNYGFHJ	My Hungry Fish ▶	iOS App	10	Free	Processing
Jan 15, 2014	MHKGNYGFHJ	3D Titanic Parking Simulator Game ▶	iOS App	10	Free	Managed Licenses
Jan 15, 2014	MHKGNYGFHJ	BBC News ▶	iOS App	1000	Free	Managed Licenses
Dec 16, 2013	MHKGHJG7GS	Dragon City Mobile ▶	iOS App	10	Free	Managed Licenses
Dec 16, 2013	MHKGHJG7GS	Candy Crush Saga ▶	iOS App	10	Free	Managed Licenses
Dec 16, 2013	MHKGHJG7GS	BBC Good Food - Recipes, tools & c... ▶	iOS App	10	Free	Managed Licenses
Dec 16, 2013	MHKGHJG7GS	SIP & VOIP ▶	iOS App	10	Free	Managed Licenses
Dec 16, 2013	MHKGHJG7GS	BBC Weather ▶	iOS App	20	Free	Managed Licenses

Here it is now in my Profile Manager

LIBRARY	All Categories ▾	All Kinds ▾	Name	Category	Size	Available	Purchased	Kind
Apps			3D Titanic Parking Simulator Game	Games	42.95 MB	10	10	iOS
Books			BBC Good Food - Recipes, tools & oFood & Drink		50.51 MB	9	10	iOS
Devices			Candy Crush Saga	Games	38.69 MB	9	10	iOS
Device Groups			Dragon City Mobile	Games	52.47 MB	9	10	iOS
Users			My Hungry Fish	Games	17.15 MB	10	10	iOS
Groups			SIP & VOIP	Reference	5.24 MB	9	10	iOS

Now to deploy this App to our user group created in section 2

So select Groups on the left in Profile Manager, select the group created then click the Apps button.

Click the + at the bottom of the screen and tick which app you wish to add. Then click Save on the bottom right, the apps will then start deploying.

Profile Manager: Groups...

Program for Education

Purchase History

Purchase History

Apple MacBook 13" blac...

Profile Manager

Search Groups

LIBRARY

Apps

Books

Devices

Device Groups

Users

Groups

ACTIVITY

Active Tasks

Completed Tasks

ENROLLMENT PROFILES

New Enrollment Profile

Groups

Allowed RODC Passw...

No Members

Allstaff

90 Users

Bursley iPads Group 1

1 User

Cert Publishers

No Members

Churchfields RDS

6 Users

CSAdministrator

1 Groups, 15 Users

CSArchivingAdministr...

No Members

CSHelpDesk

No Members

Choose apps from your library

You can assign apps that have been purchased using the Volume Purchase Program or in-house enterprise apps added to Profile Manager.

All Categories ▾ All Kinds ▾

Search Apps

Name	Category	Size	Available	Kind
☐ 3D Titanic Parking SimuleGames		42.95 MB	10	iOS
☐ BBC Good Food - RecipeFood & Drink		50.51 MB	9	iOS
☐ Candy Crush Saga	Games	38.69 MB	9	iOS
☐ Dragon City Mobile	Games	52.47 MB	9	iOS
☐ My Hungry Fish	Games	17.15 MB	10	iOS
☐ SIP & VOIP	Reference	5.24 MB	9	iOS

Cancel OK

If you add any additional iPads to this group using the same Active Directory login the apps should deploy automatically once enrolled. If they do not you can force an app push from the groups app screen.

