

Creating a Repository for Cydia on Mac

Setting up the tools and accounts

- **1** Open web browser go to <https://github.com>.
 - Sign up for an account and verify with your email account
 - NOTE what you make your user name will be whats in your Sources web address. #If you make github user name Nrepo your Cydia repo address will be Nrepo.github.io.
- **2** Open App Store and install **Xcode**.
 - After installed run the app agree to the Terms & Conditions, then close out the app.
- **3** Open your Terminal to install command line tools.
- **4** Go back to your web browser and **install command line tools Yosemite**
 - Use the one for Github.io <http://railsapps.github.io/xcode-command-line-tools.html>
 - Then scroll down to **Install Xcode Command Line Tools** then do the steps to install command line tools in your Terminal.
 - Mainly you are using \$ xcode-select —install
 - Verify that you've successfully installed Xcode Command Line Tools:
 - Just to be certain, verify that gcc is installed:
- **5** Back to your Terminal type in the following:
defaults write com.apple.finder AppleShowAllFiles YES
"YES can be replaced with TRUE"
press return
 - On the Finder App hold alt then right click mouse then select Relaunch.
 - This is so you can see the hidden files for later.
 - To disable
defaults write com.apple.finder AppleShowAllFiles NO
 - On the Finder App hold alt then right click mouse then select Relaunch.

- **6** Go back to your web browser and search **home-brew**
 - It should be <http://brew.sh>
 - **Copy the command line** to your Terminal to install Homebrew then press **return**
 - Press **return** when prompt to
 - Then type your **password** for your Mac like you would for logon screen or installing Apps #This is what you need so you can pack your files correctly.
 - Now run **brew doctor** just to make sure everything is ready to brew.
 - In Terminal type:
 - **brew doctor**
 - tap return
 - Should prompt **Your system is ready to brew.**
 - Now the next thing is installing dpkg
 - In Terminal type:
 - **brew install dpkg**
 - tap return
 - Now you will want to install latest version of git
 - In Terminal type:
 - **brew install git**
 - tap return
 - In Terminal type:
 - **clear** #this will clear the Terminal window not the Terminal history
 - tap return
 - **7** Go back to your web browser and search **atom.io**
 - It should be <https://atom.io> #this is a hackable text editor
 - **Download** and **install Atom** #you may need to change you Security & Privacy to Allow download apps from: Anywhere and may have to move the app from Downloads folder into Applications folder.

Setting Up Github

Making Github repository

- **1** Create a New Folder to save and edit your repo files with.
 - Open **Finder** then open the **Documents** folder
 - Create a New Folder labeled **arepo** inside of the Documents folder #you can name it anything you want, I'm going to use arepo for this tutorial.
 - Drop this window down for now.
- **2** Open web browser go to <https://github.com>.
 - Sign into your “**Github account**”
- **3** Open Terminal
 - Type the following;

```
git config --global user.name "NsBm0d"
press return
git config --global user.email NsBm0d@live.com
press return
git config --global core.excludesfile ~/.gitignore
press return
echo .DS_Store >> ~/.gitignore
press return
```
- **4** Back to your web browser “**Github account**”
 - Add New Repository
 - This will be your Sources URL that you add to Cydia.
 - You will type in **yourusername.github.io**
 - Select **Public**
Anyone can see this repository. You choose who can commit
 - Check the box
 - Initialize this repository with a README
 - Select **Create repository**
 - You should now be on a new page with [yourusername/yourusername.github.io](https://yourusername.github.io)

- **5** Now to clone your repo to your computer
 - **Copy your HTTPS link** by selecting the Copy to clipboard tab.
 - Open your Terminal
 - Type **cd Documents/arepo/** #or what ever you labeled your folder you created in Documents
 - tap return
 - This will bring your location to the “arepo folder” inside of the Terminal window.
 - Type **git clone** then paste the link that you copied from your repository
 - tap return
 - This will clone all the Folders and Files from your repository to your computer into the Documents/arepo Folder.
- **6** Now you will need to create an index.html file so your repository will have a functioning web site.
 - In your Terminal
 - Type **cd yourusername.github.io** #This will bring your location to the “your user name.github.io folder” inside of the Terminal window.
 - tap return
 - Type **echo “Hello World” >> index.html** #you can type in what ever you want in place of Hello World
 - tap return
 - Type **git add —all** #this will add all folders and files that you have changed or modified with in the locations directory
 - tap return
 - Type **git commit -m “init”** #this shows whatever changes you made to your repo
 - tap return
 - Type **git push** #this will push all your changes to your repo
 - tap return

- You will get prompt

```
Username for 'https://github.com':
```

- Enter your github's **user name** #the user name for your github account.

- tap return

- You will get prompt

```
Password for 'https://yourusername@github.com':
```

- Enter your github's **password** #the password to your github account.

- tap return

- Should see something like;

```
Counting objects: 3, done.  
Delta compression using up to 4 threads.  
Compressing objects: 100% (2/2), done.  
Writing objects: 100% (3/3), 275 bytes | 0 bytes/s, done.  
Total 3 (delta 0), reused 0 (delta 0)
```

- **7** Lets make sure everything is working correctly

- Back on your web browser “Github account”

- **Refresh** the page you should now have the [index.html](#) file on your list of files

- Now to see your actual web page

- Select the **Settings** tab then scroll down to **GitHub Pages** box

- The Your site is published at <http://yourusername.github.io> is your URL that you add to Cydia Sources for your Repo on Cydia after everything is ready.

- Select your link to see your web site.

- In this web page you will find what you typed in the [index.html](#) file that was created with Terminal.

- ***Congratulation you just started your web site !!***

Setting Up a Repo for Cydia

Making the Folders and Files needed for your Cydia Repository

- **1** Open Atom
 - Select **File** from the Menubar
 - select **Add Project Folder**
 - Navigate to **Documents/arepo/yourusername.github.io** folder
 - When you have **yourusername.github.io** folder highlighted select the **Open** tab in the lower right corner of window.
 - In the Atom window you should have
 - The Project Folder **yourusername.github.io**
 - You should see “**index.html** file” and “**README.md** file”
 - In the Project Folder **yourusername.github.io** you are going to create some Folders
 - Create a New Folder name it **debs** #this folder is where your .deb files will be saved to for your pkgs on Cydia
 - Create a New Folder name it **projects** #this folder is where you will put your folders and files for your pkgs to be converted into a .deb file
 - Now in the Project Folder **yourusername.github.io** you are going to create some Files
 - Create a New file name it **Release**

- Enter the following inside the **Release** file and save when done “**cammand S**”

```
Origin: 🍏 NsBm0d 🍏 # the name Cydia shows in the Sources list
Label: 🍏 NsBm0d 🍏 Repo # This is shown under package names “From <Lable>”
Suite: stable
Version: 1.0
Codename: ios
Architectures: iphoneos-arm
Components: main
Description: My Cydia Repository
#make sure to leave a blank line at the end
```

- Save the file

- Create a New file name it **push.sh**
 - Enter the following inside the **push.sh** file

```
#!/bin/bash
dpkg-scanpackages ./debs > Packages
bzip2 -fks Packages
#make sure to leave a blank line at the end
```

- Save the file
- Create a New file name it **remove.sh**
 - Enter the following inside the **remove.sh** file

```
#!/bin/bash
find debs -type f -name '*.deb' -delete
rm -r Packages.bz2
#make sure to leave a blank line at the end
```

- Save the file
- Create a New file name it **update.sh**
 - Enter the following inside the **update.sh** file

```
#!/bin/bash
./remove.sh
./packages.sh
./push.sh
#make sure to leave a blank line at the end
```

- Save the file
- Create a New file name it **packages.sh**
 - Enter the following inside the **packages.sh** file

```
#!/bin/bash
dpkg-deb -bZgzip projects/Nameofpackage debs
#make sure to leave a blank line at the end
```

- Save the file
- When you add different pkgs to your repo just add a new line in this file like shown here:

```
#!/bin/bash
dpkg-deb -bZgzip projects/AList debs
dpkg-deb -bZgzip projects/AiconPkg debs
#make sure to leave a blank line at the end
```

- **2** Now you should make sure everything is saved and push it to your github repo.

- Back in your Terminal

- Type `git add --all` #this will add all folders and files that you have changed or modified with in the locations directory

- tap return

- Type `git commit -m "init"` #this shows whatever changes you made to your repo

- tap return

- Type `git push` #this will push all your changes to your repo

- tap return

- You will get prompt

Username for 'https://github.com':

- Enter your github's **user name** #the user name for your github account.

- tap return

- You will get prompt

Password for 'https://yourusername@github.com':

- Enter your github's **password** #the password to your github account.

- tap return

- **3** Lets make sure everything is in sync with your github repository.

- Back on your web browser "[Github account](#)"

- **Refresh** the page you should now have the added folders and files on your list.

- **4** You will want to make an icon for your Cydia repo and a pkgs of something.

- I will use an Image that I made for my Cydia repo and create an icon pack for my package sections as a tweak.

- Cydia repo icon

- Need to have an image that is **120 x 120 pix** and saved as a **CydiaIcon.png** file

- You can temporally save it to Desktop

- Cydia's Sections icons
 - Need to have the images at **60 x 60 pix** and save them as **nameofsection.png** files
 - like **Themes.png**, **Tweaks.png**, and so on
- Open Atom
 - In the Project Folder **yourusername.github.io** you are going to create some Folders inside the projects folder.
 - Create a New Folder named **icons** #this is the name of the pkg that you will have on your Cydia repo.
 - Inside the **icons** folder you need to create two more Folders
 - Create a New Folder named **DEBIAN** #make sure it is in all capital letters.
 - Create a New Folder named **Applications** #make sure to spell it correctly.
 - Inside **Applications** make a New Folder named **Cydia.app**
 - Inside **Cydia.app** make a New Folder named **Sections**
 - Now select the Folder named **DEBIAN** in the tree on the left and Create a New File named **control** #make sure it is all lower case letters.
 - Enter the following inside the **control** file

Architecture: iphoneos-arm

Author:  reponame 

Depiction: <https://github.com/username/username.github.io>

Description: Adds Icon Images

Maintainer:  reponame  <reponame@example.com>

Name: nameofpackage

Package: com.reponame.nameofpackage

Section: Tweaks

Version: 1.0

#make sure to leave a blank line at the end

- Save the file
- **6** Open Finder
 - Inside **Documents/arepo/yourusername.github.io** folder save your **CydiaIcon.png**
 - Open the **projects** folder navigate to **Applications/Cydia.app/Sections** then save your icons for Cydia's Sections "**Themes.png**"

- **7** Time to turn this project into a package so you can make a .deb file on your Cydia repo.
 - Back on Atom
 - Select the `packages.sh` file #you will need to do this every time you add a new pkg in order to convert it into a .deb file
 - Change the `dpkg-deb -bZgzip projects/Nameofpackage` debs
`dpkg-deb -bZgzip projects/icons` debs
#make sure to leave a blank line at the end
 - Save the file
 - Open your Terminal and type in
 - `find . -name '*.DS_Store' -type f -delete` #to remove the .DS_Store files
 - Tap return
 - `chmod +x packages.sh ; chmod +x push.sh ; chmod +x remove.sh ; chmod +x update.sh`
#to finalize before compressing into a .deb file
 - Tap return
 - `./update.sh` #to create the .deb files
 - Tap return
 - `git add --all` #this will add all folders and files that you have changed or modified with in the locations directory
 - tap return
 - `git commit -m "init"` #this shows whatever changes you made to your repo
 - tap return
 - `git push` #this will push all your changes to your repo
 - tap return
 - You will get prompt
`Username for 'https://github.com':`
 - Enter your github's `user name` #the user name for your github account.
 - tap return

- You will get prompt

Password for 'https://yourusername@github.com':

- Enter your github's **password** #the password to your github account.
 - tap return
- 8 Lets make sure everything is in sync with your github repository
 - Back on your web browser “Github account”
 - **Refresh** the page you should now have the added folders and files on your list.

That's it now you can go to your iDevice open Cydia then select Sources and add your repo that you've just created.

Enter your URL from your github repository

yourusername.github.io

then select the **Add Source**

Then install your pkg from your own Cydia repo.....

Hope this helps you create a Cydia Repo

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