

# 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>

- **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 int 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 your 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**"

Friday, April 8, 2016

- **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

Friday, April 8, 2016

- 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

(◡‿◡) 🍏 NsBm0d 🍏