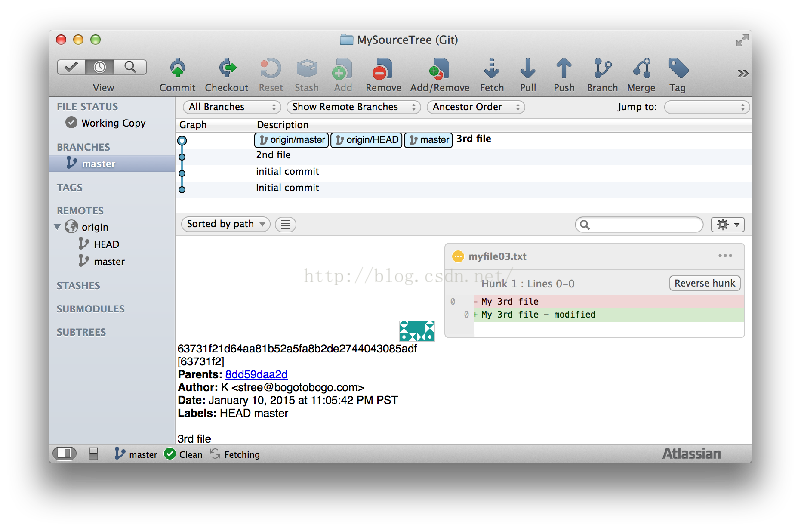
[【Git+Source Tree使用教程之二】Branching & Merging](http://blog.csdn.net/teng_ontheway/article/details/51307521)

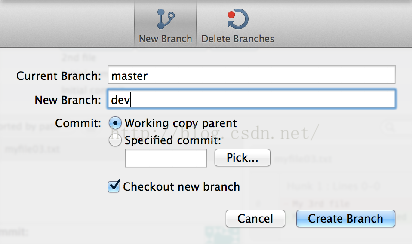
Current git graph

Now we want to create a new branch called **dev** from our master branch. Here is our current state of our git graph before the branching:

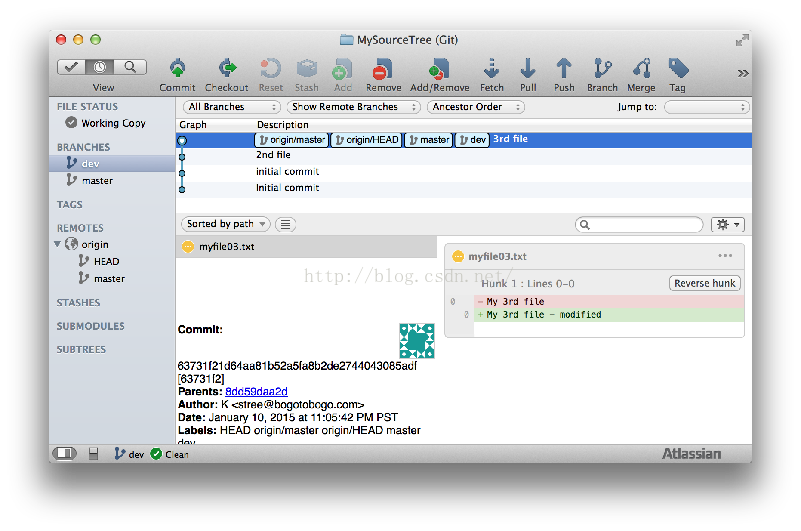
 

Creating a dev branch

To create a new branch (**dev**), we need click "Branch" on the top menu.

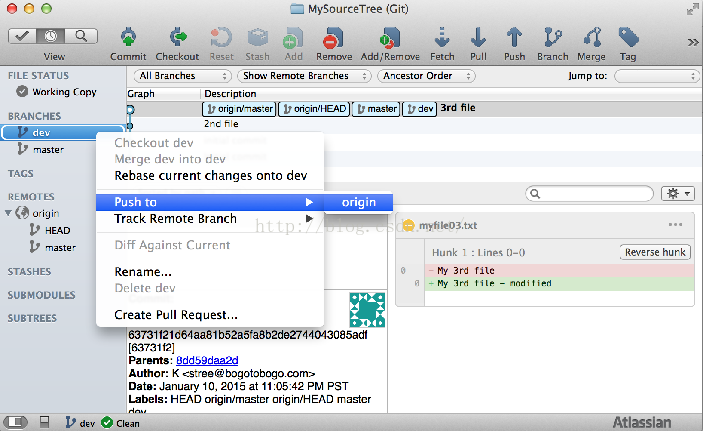
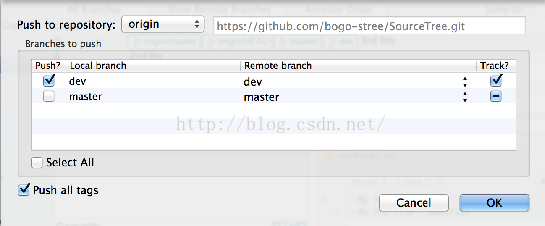
 

Hit "Create Branch", then our git looks like this:

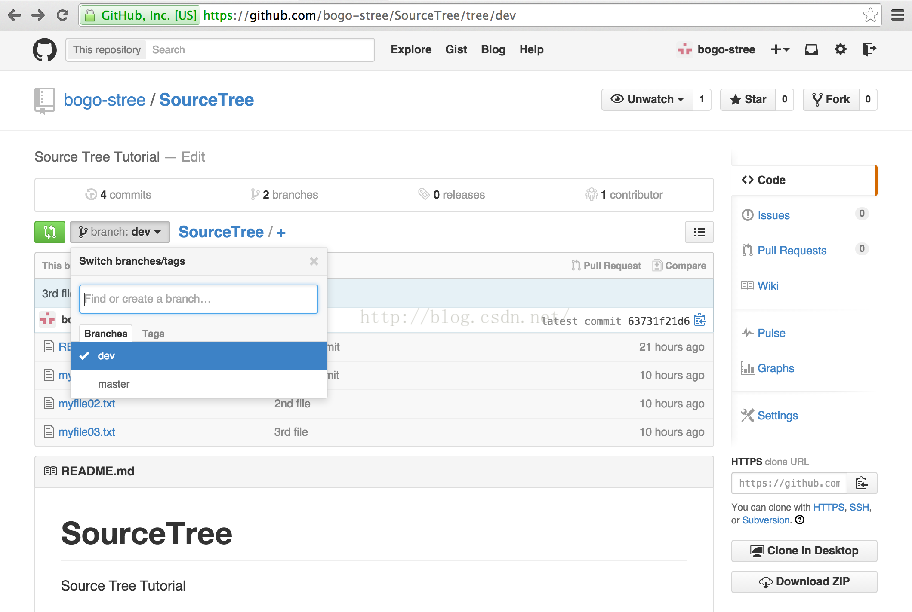
 

Pushing the dev branch to GitHub

Let's push our new **dev** branch to our remote repo:

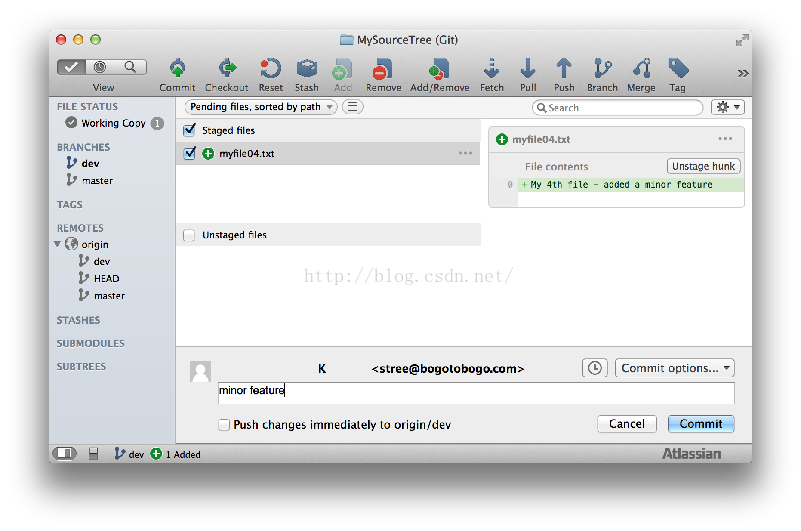
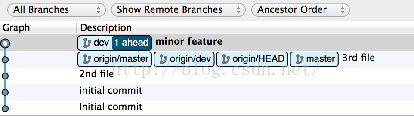
   
 

After the **dev** branch push, we can check our GitHub now has two branches: **master** and **dev** branches:

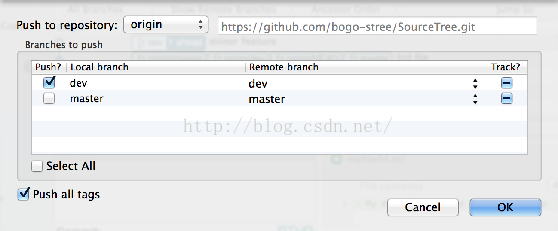
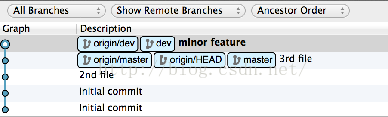


Committing to the new dev branch

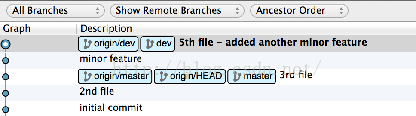
If we want to commit a new file (myfile04.txt) to our new **dev** branch:

Pushing to Dev branch:

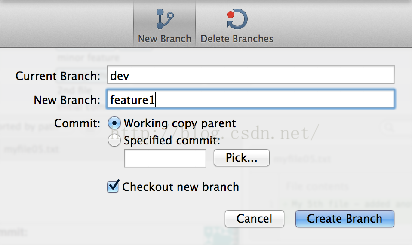
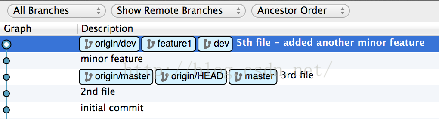
   
  
 

After another push:

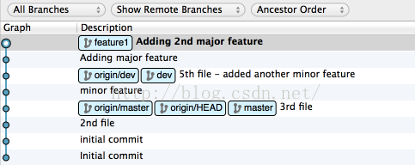
 

Feature Branch

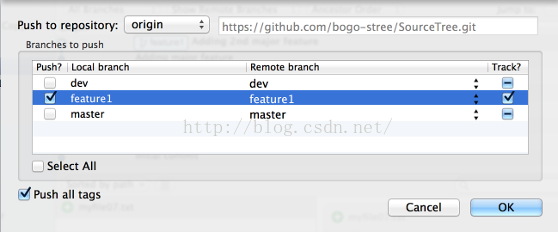
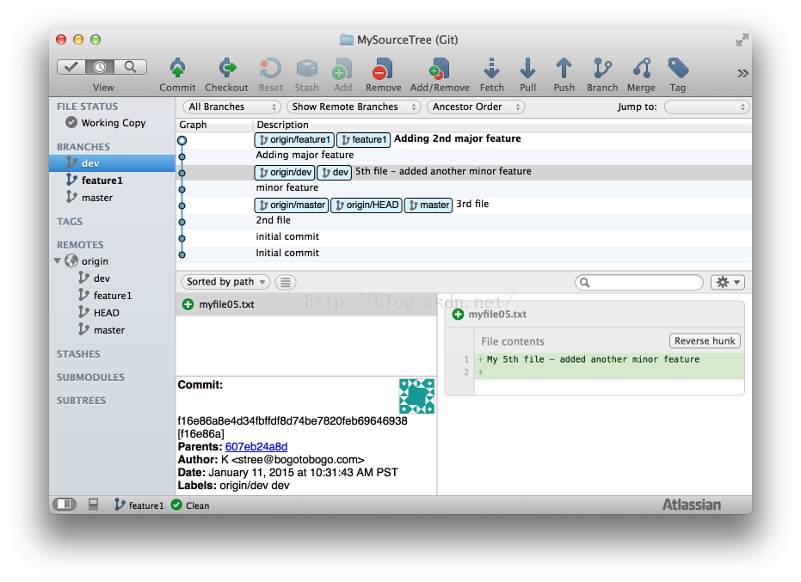
When we want to add major feature, it's better work on a separate branch. So, we will create a new branch called **feature1** from the **dev** branch:

After two more commits to our new **feature1** branch:

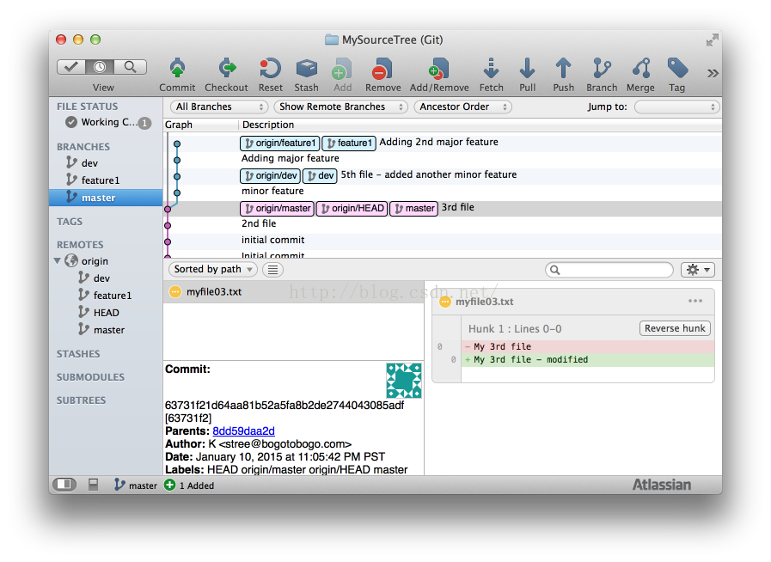
Pushing **feature1** branch to GitHub:

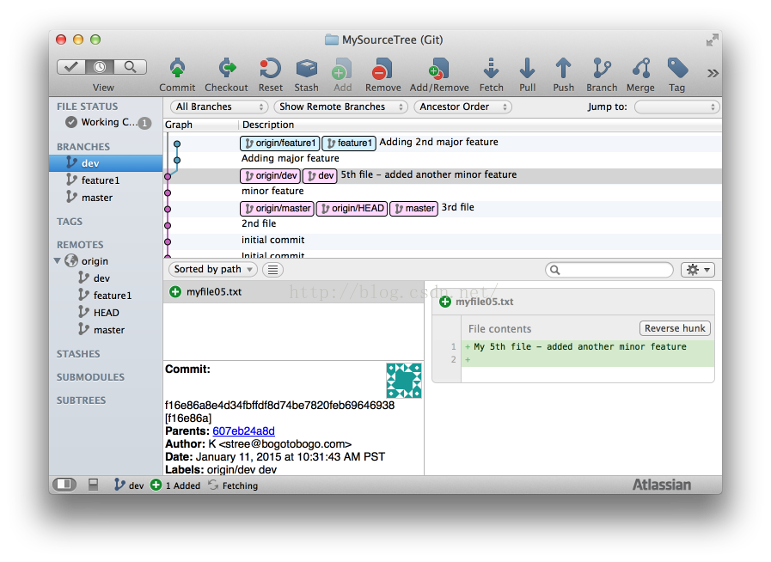
Current branch

We can select current branch by double clicking a branch under "Branches" side menu. We can tell by its**bold** font face.

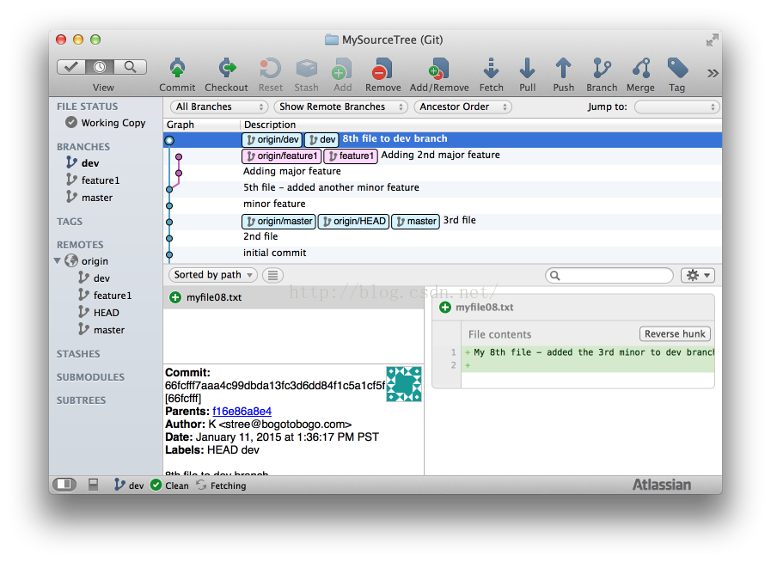
**dev** branch is the current branch:

**master** is the current branch:

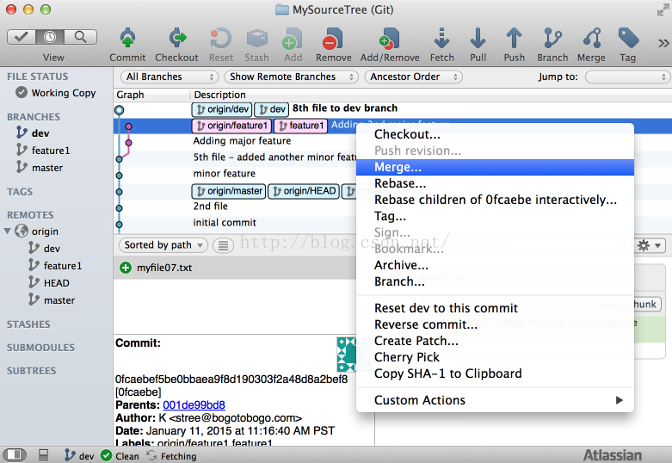
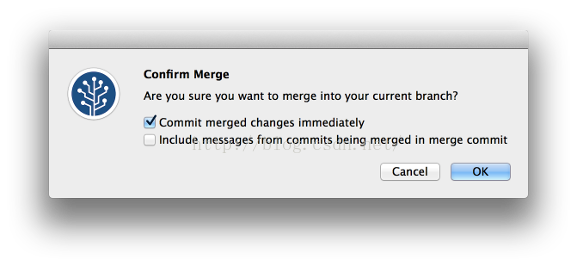


Before we do merge **feature1** to **dev**, to make it more interesting, we want to do additional commit to **dev**and push to GitHub:

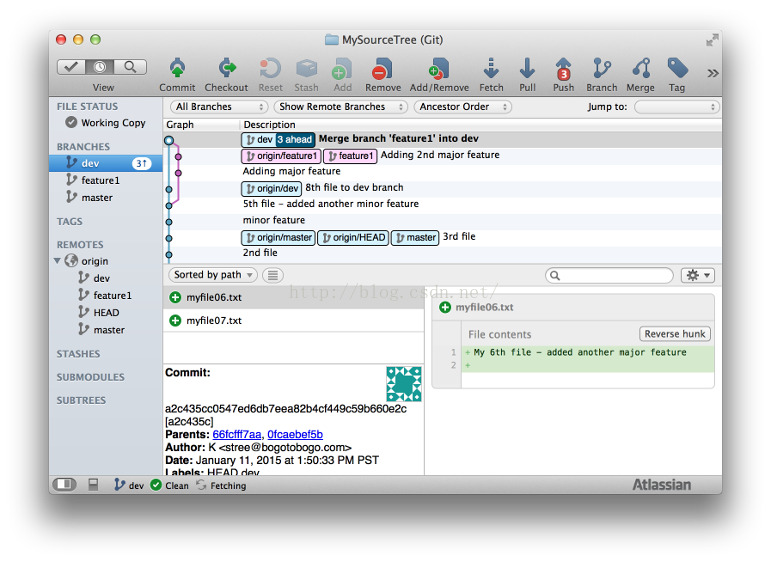
 

Merge Feature Branch into dev branch

After working on **feature1** branch, now we want to merge it into **dev** branch. Set **dev** branch as the our current branch.

Hit "OK":



Now, **feature1** branch merged into **dev** branch.

原文链接：<http://www.bogotobogo.com/cplusplus/Git/Git_GitHub_Source_Tree_2_Branching_Merging.php>