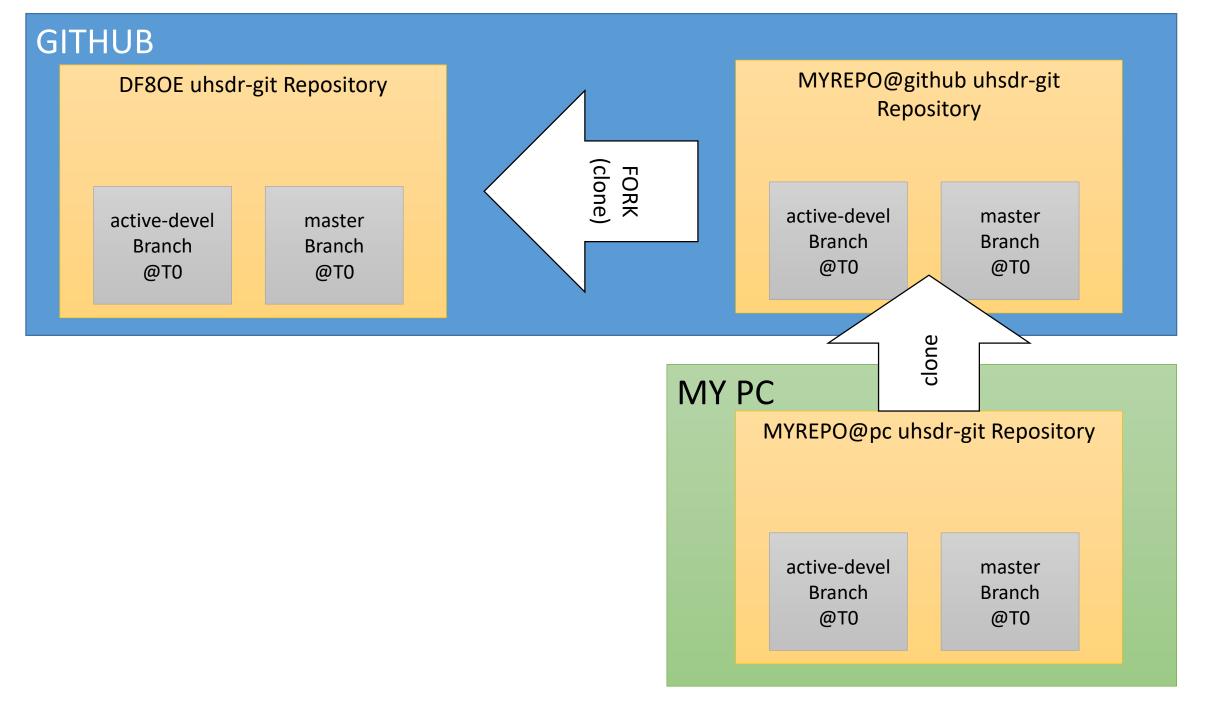
### 3 (!) Repositories make up a proper github workflow

- 1 Repository you want to contribute to at github (e.g. DF8OE)
- 2 Repositories you need for your work (1 at github, forked, 1 at your pc to make the changes.)

Your repository at github is used to provide data to others. You will not work directly in this repository (mostly you will just push commits to it)

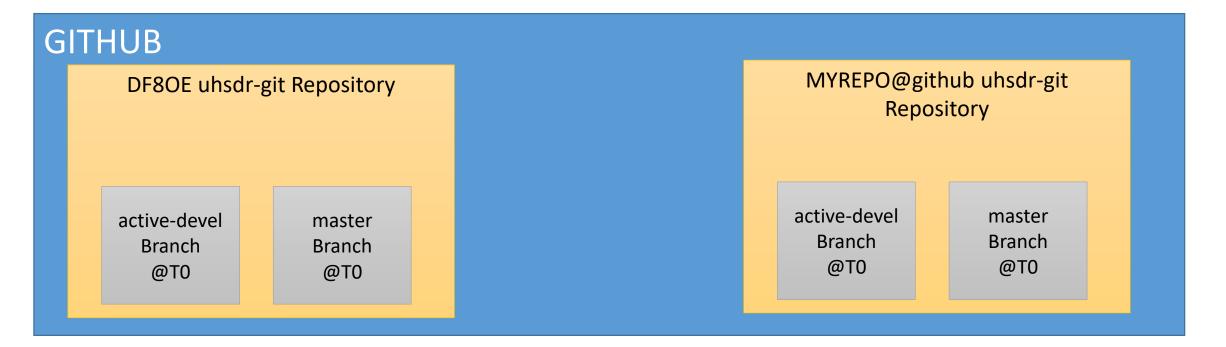
Let us go through it.

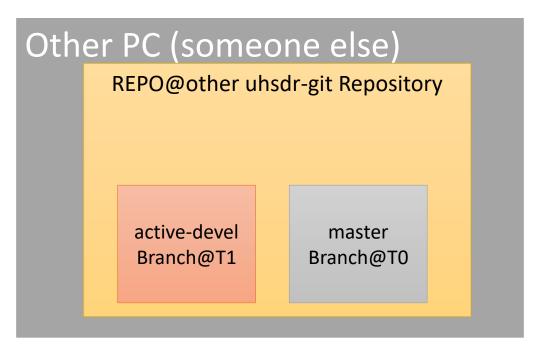


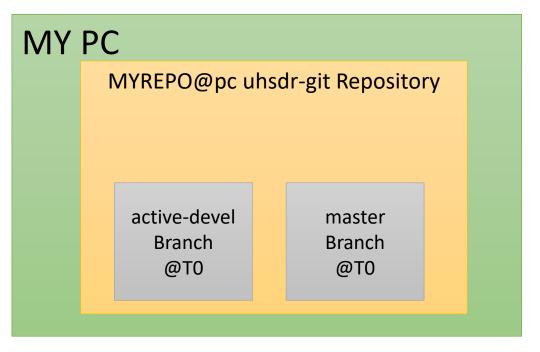
## How a change is propagated into my (!) github Repository

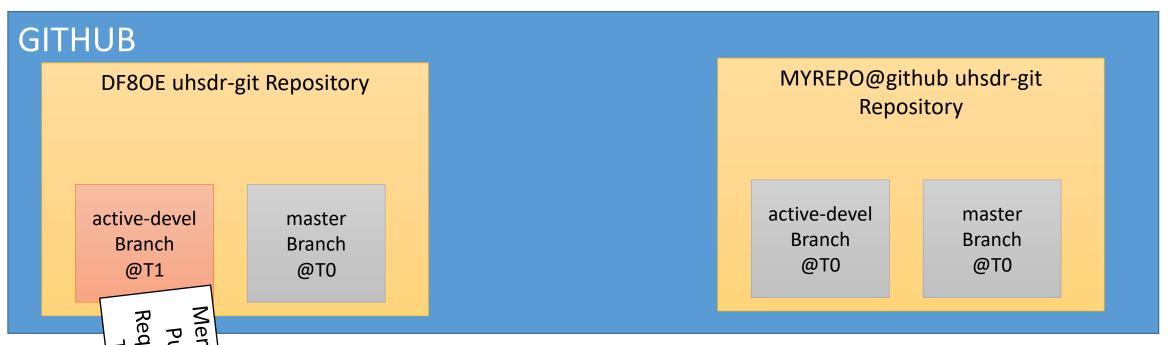
Now the most simple workflow: Someone else creates a commit and this goes into the DF8OE repository active-devel branch. You cannot directly update your github repository, but you can do this in 2 steps.

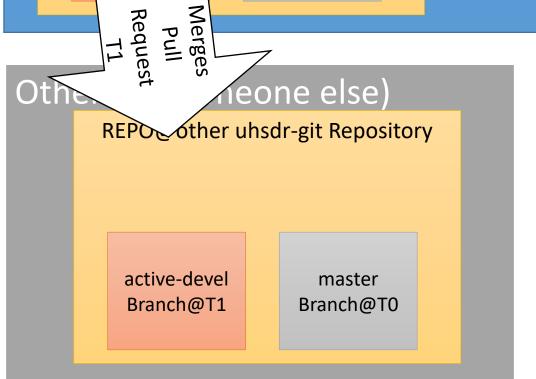
TO is the original state of the branches. T1, T2 etc. are commits done later

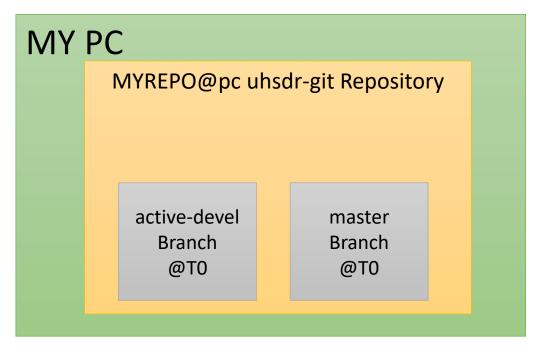


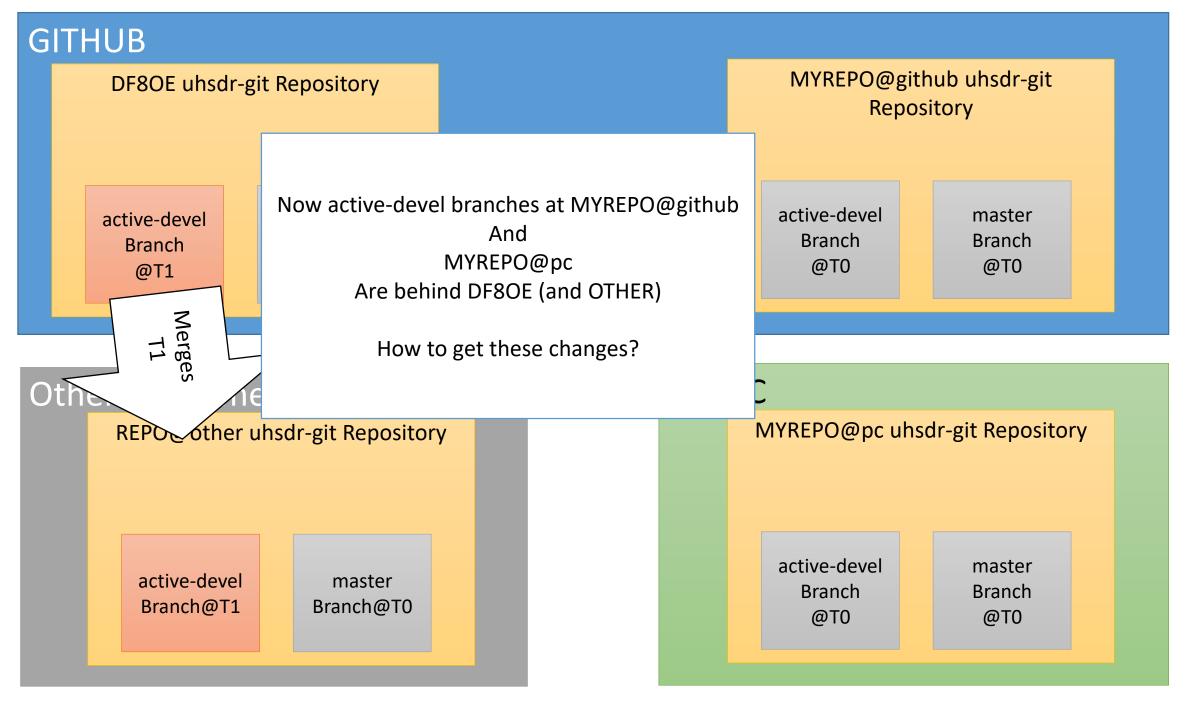


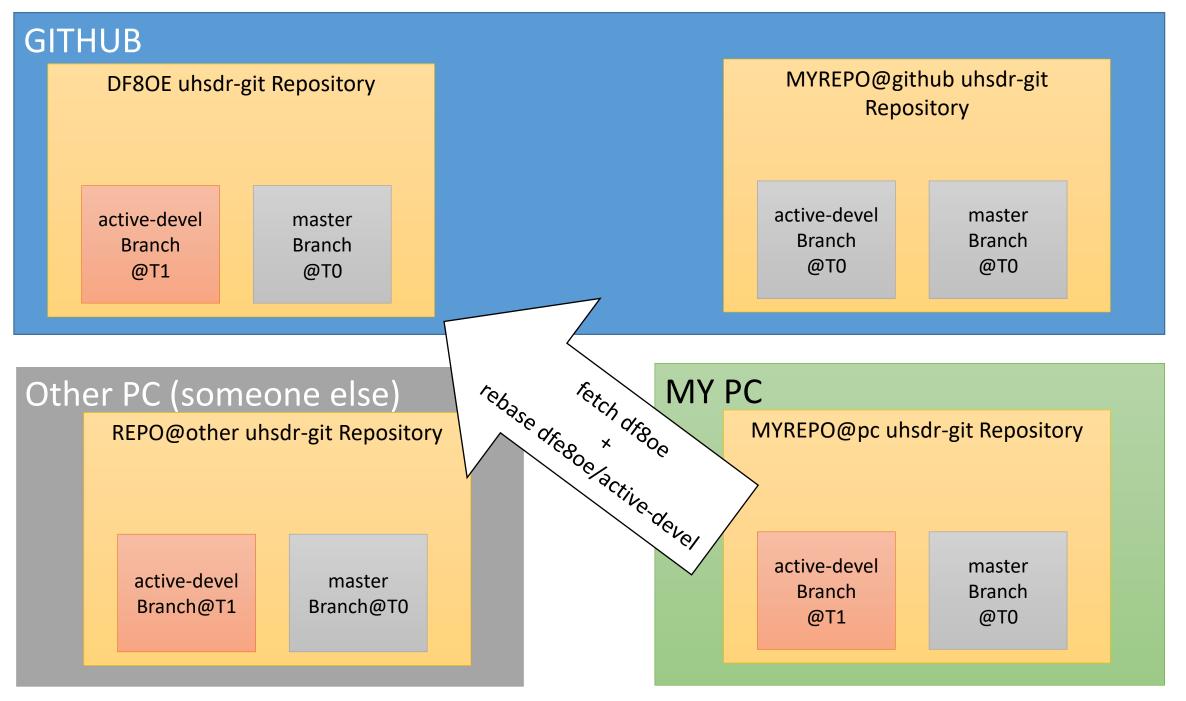










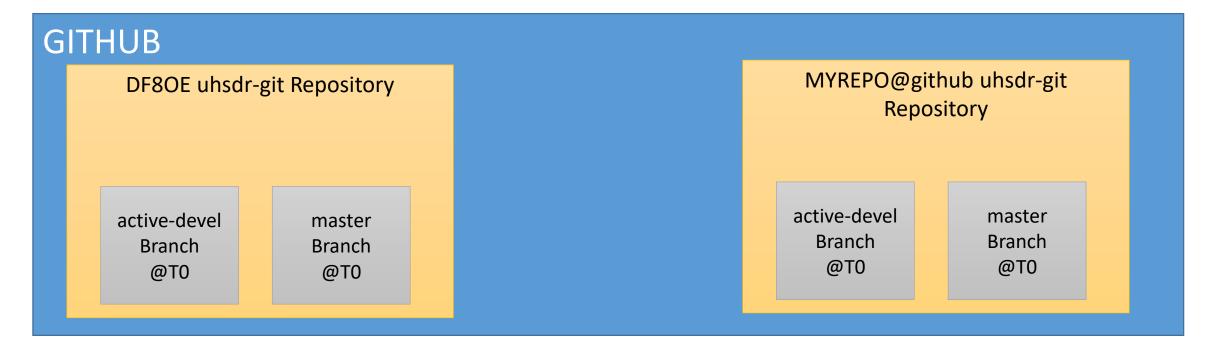


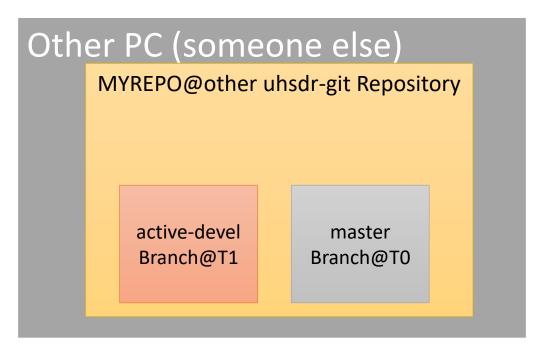
### **GITHUB** MYREPO@github uhsdr-git DF8OE uhsdr-git Repository Repository active-devel master active-devel master Branch Branch Branch Branch @T0 @T1 @T1 @T0 push origin MY PC Other PC (someone else) MYREPO@ t Repository REPO@other uhsdr-git Repository active-devel master active-devel master **Branch** Branch Branch@T1 Branch@T0 @T0 @T1

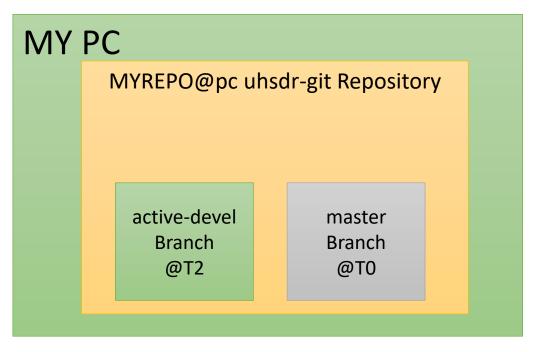
### How to make changes?

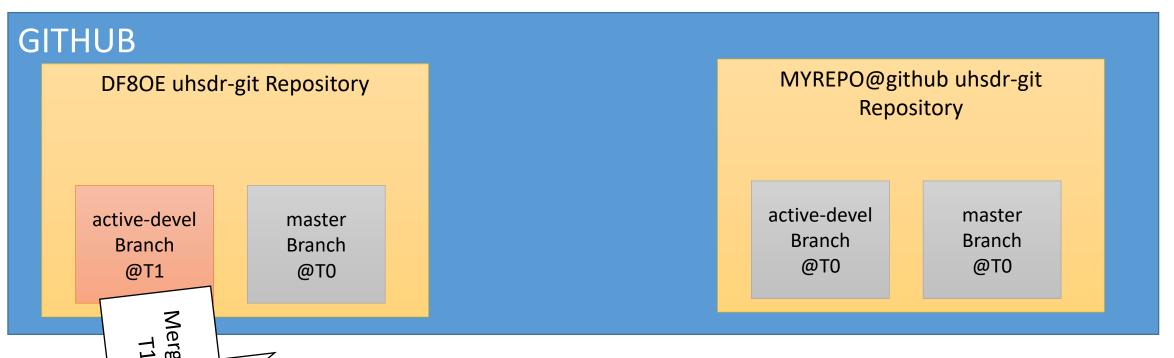
Before starting to make changes, make sure you have updated your working branch to the newest commit of df8oe/active-devel. This will ease later integration and you'll have all the latest fixes and functions.

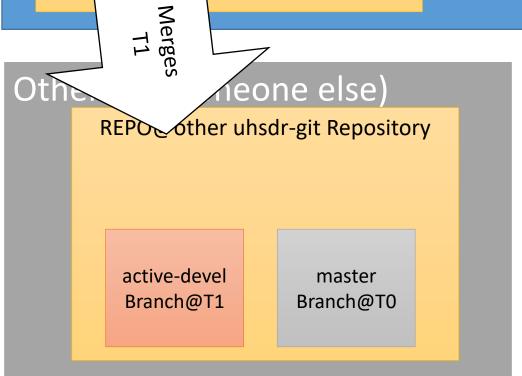
We assume now, that you did a successful rebase (which is a no-brainer, since you did not change anything yet). Your change's name is T2

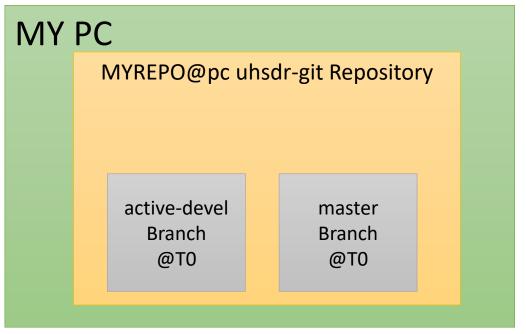




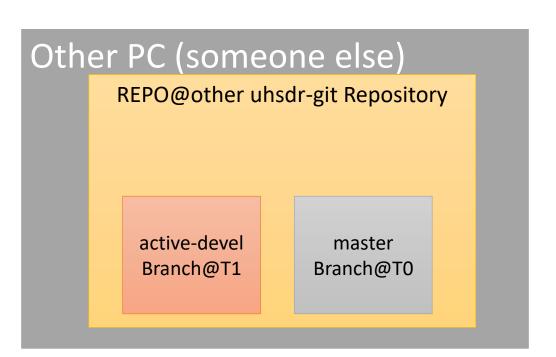


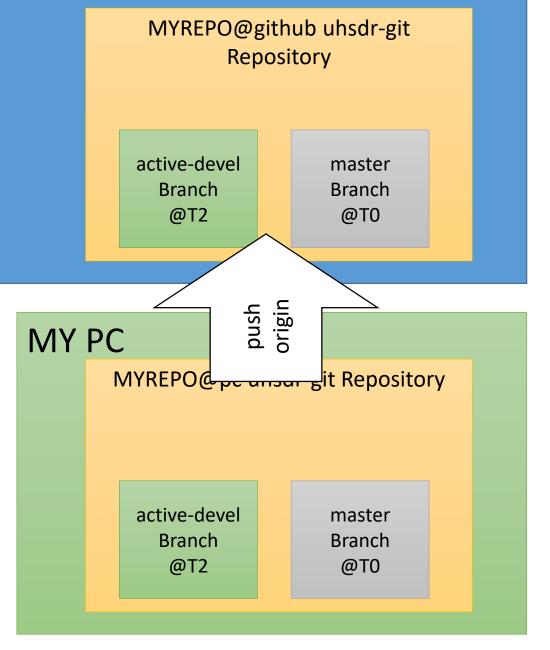


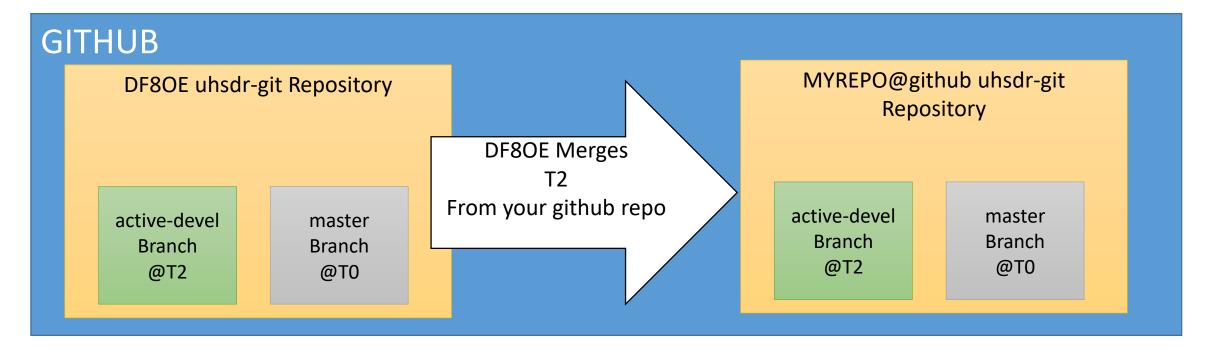


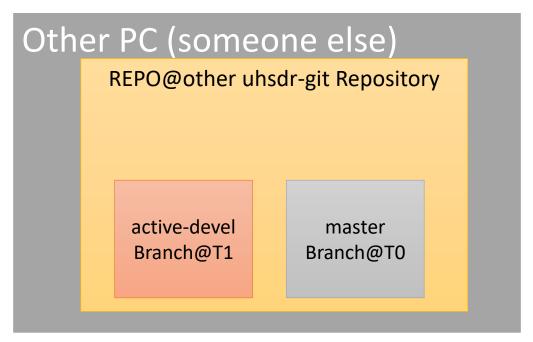


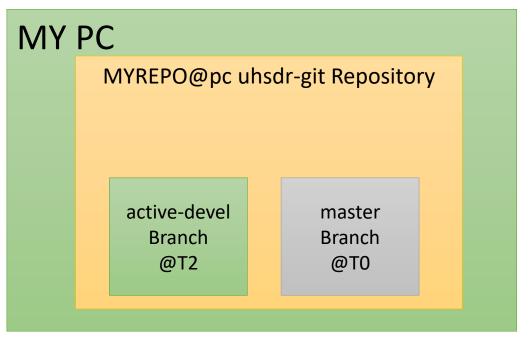
# DF8OE uhsdr-git Repository active-devel Branch @T0 master Branch @T0

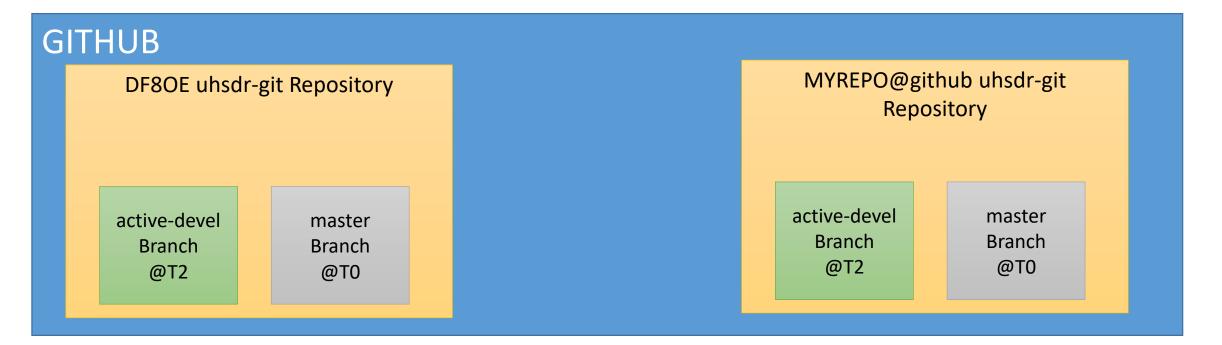


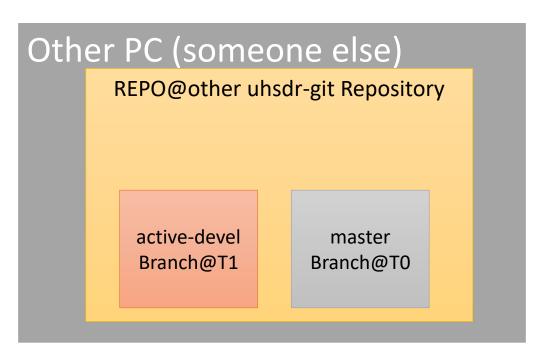


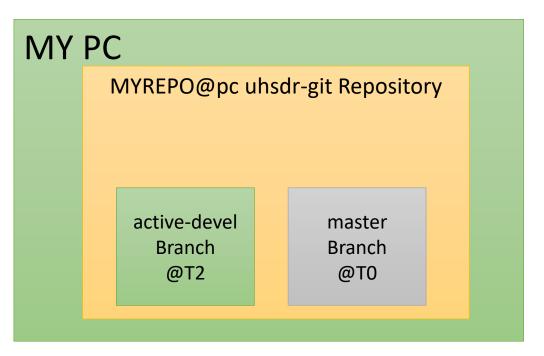






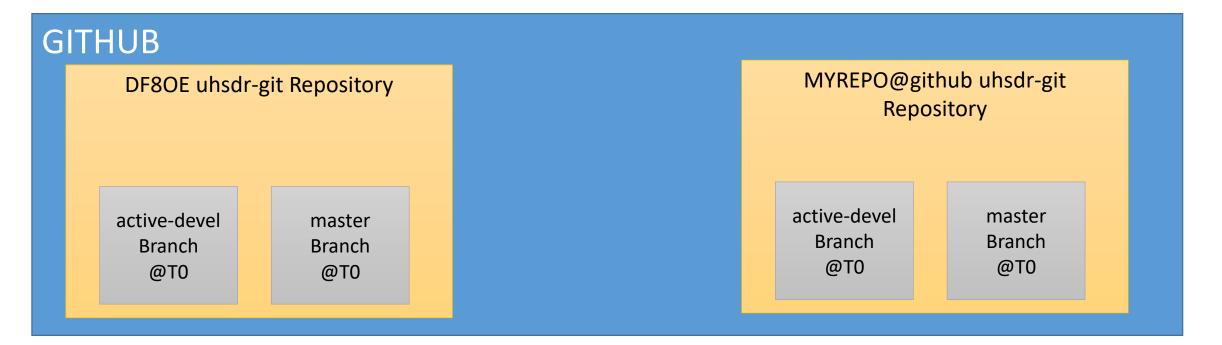


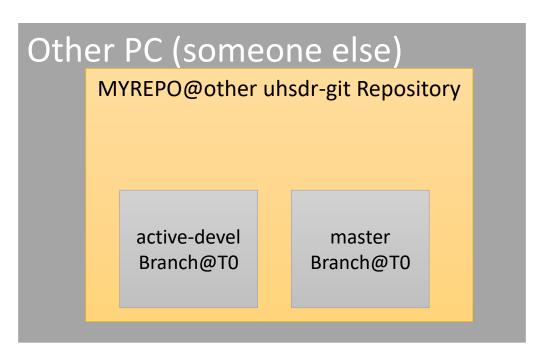


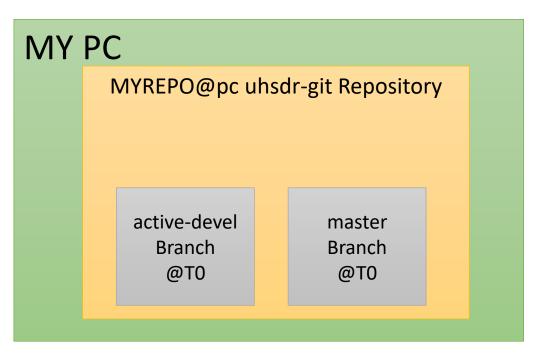


## How to make changes while others have also made changes before my change was finished?

In this case rebase will help us to bring the external changes into your repository on the PC. If there are conflicts, because the other person changed in areas you touch as well, you'll have to resolve these conflicts. For now, assume the changes were made in different locations. T1 is the "other" change, T2 is still yours.







### **GITHUB** MYREPO@github uhsdr-git DF8OE uhsdr-git Repository Repository Both you and the other guy active-devel master active-devel master **Branch** Branch did independent changes (T1 Branch Branch @T0 @T0 @T0 @T0 and T2) You can't see the other changes, since they are still Only on the other pc Other PC (someone else) TVIY PC MYREPO@pc uhsdr-git Repository MYREPO@other uhsdr-git Repository

active-devel

Branch@T1

master

Branch@T0

active-devel

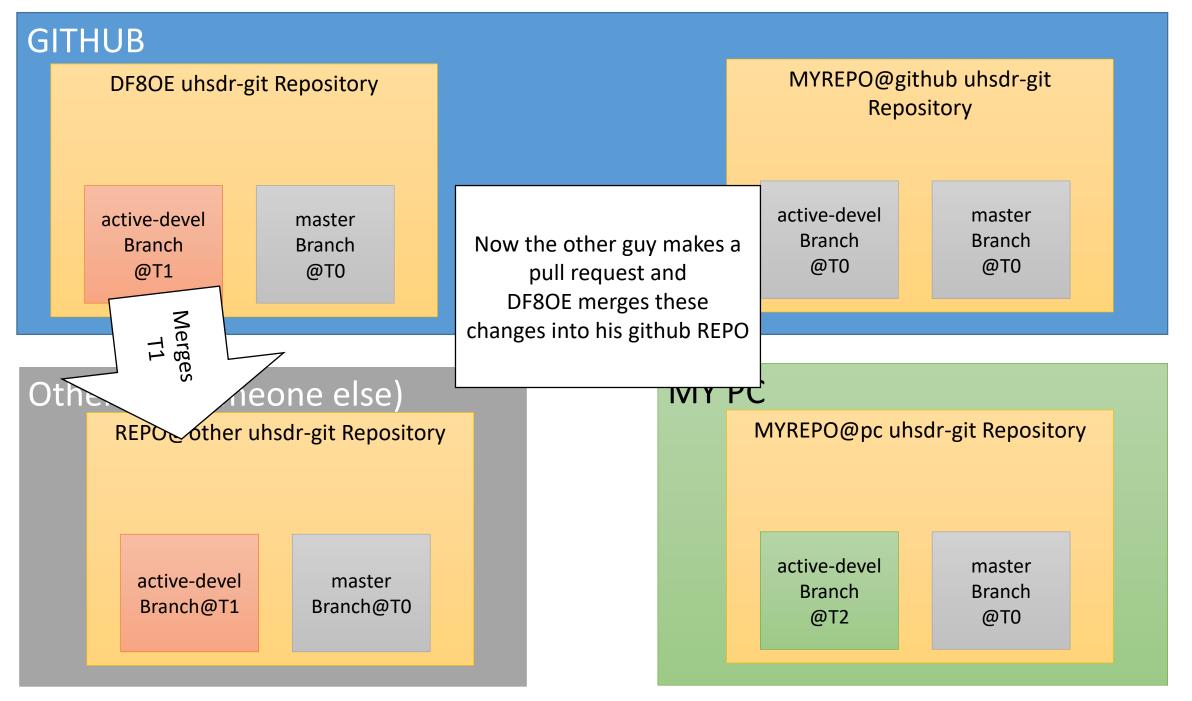
Branch

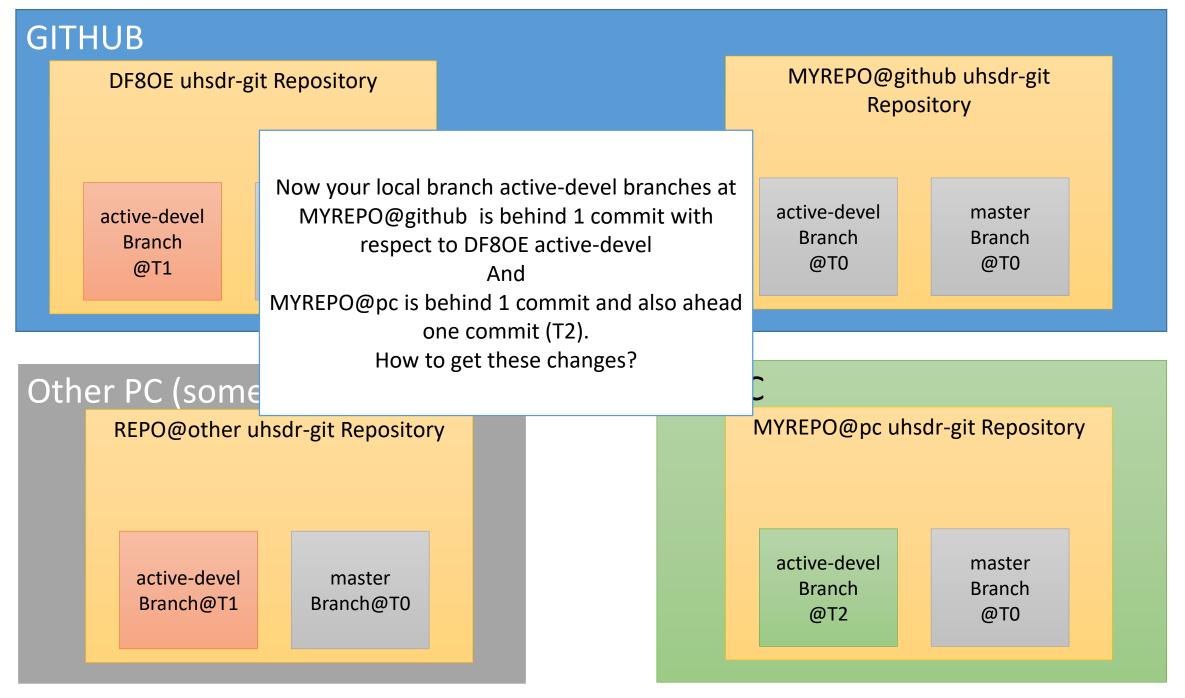
@T2

master

Branch

@T0





#### **GITHUB** The rebase operation will MYREPO@github uhsdr-git DF8OE uhsdr-git Repository (possibly with your manual Repository help) will merge the changes so that you have now both T1 and T2 and the changes in order to make both work ctive-devel master active-devel master together **Branch** Branch **Branch** Branch @T0 @T0 @T1 @T0 rebase dresoe/active devel MY PC Other PC (someone else) REPO@other uhsdr-git Repository MYREPO@pc uhsdr-git Repository active-devel master active-devel master **Branch** Branch Branch@T1 Branch@T0 @T1+T2 @T0

