

# Git

## Tags

git tag -a v0.1 -m "tagname"

git tag v0.1

### **Delete**

git tag -d v0.1

## Branch

### **Create branch**

git branch stage

### **Check what branch you are in**

git status

git log --oneline --decorate

git branch -a

### **Switch branches or restore working tree files.**

git checkout stage

### **push changes**

git add .

git commit -m "blablabla"

git push -u origin stage

## Merge

### **Change branch to master**

git checkout master

### **Merge**

git merge stage

### **Delete local**

git branch -d stage

### **Delete remote**

git push --delete origin stage

# Merge conflicts

git status

FIND CONFLICT & FIX

git add .

git commit -m "blablabla"

git merge stage

## Create a branch based off of master

git checkout -b stage master

## Edit files

git commit -a -m "Adds new feature"

git checkout master

git rebase stage

# Revert

git revert HEAD

## or find a commit has with

git log --oneline --decorate

git revert

# Git log

git log

git log --graph

git log --since="4 days ago"

git log -S

git log --stat

git log --shortstat

git log --pretty=format:"%h - %an - %ar - %s"

# See diff before commit

Git diff

# Remote

git remote show origin

# Cleaning

git gc --prune

git gc --auto

git config gc.pruneexpire "30 Days"

# Add new repo

```
git config --global user.name "username"
git config --global user.email "email@email.com"
```

## Create a new repository

```
git clone http://git.myhypervisor.ca/myhypervisor/project.git
cd project
touch README.md
git add README.md
git commit -m "add README"
git push -u origin master
```

## Existing folder

```
cd existing_folder
git init
git remote add origin http://git.myhypervisor.ca/myhypervisor/project.git
git add .
git commit -m "Initial commit"
git push -u origin master
```

## Existing Git repository

```
cd existing_repo
git remote rename origin old-origin
git remote add origin http://git.myhypervisor.ca/myhypervisor/project.git
git push -u origin --all
git push -u origin --tags
```

