

# GIT

## credentials and config

~/netrc

```
machine git.csgalileo.org
login blabla
password blabla
```

~/gitconfig

```
[user]
  name = Stefano Scipioni
  email = blabla
[core]
  autocrlf = input
  #safecrlf = true
  editor = vim
[http]
  sslverify = false
[alias]
  co = checkout
  ci = commit
  st = status
  br = branch
  hist = log --pretty=format:"%h %ad | %s%d [%an]" --graph --
date=short
  type = cat-file -t
  dump = cat-file -p
[push]
  default = simple
[color]
  ui = auto
```

## New repo

```
NAME=project.git
mkdir $NAME
cd $NAME
git init --bare
mv hooks/post-update* hooks/post-update
chmod +x hooks/post-update
```

## git update-server-info

## change origin

```
git remote -v
```

```
git remote set-url origin http://git.csgalileo.org/livenet-server.git
```

check origin

```
git remote show origin
```

if prune needed (on server restart apache if dav is used)

```
git remote prune origin
```

```
git push --set-upstream origin master
```

## new remote branch

[reference](#)

create locally

```
git branch [name_of_your_new_branch]
git checkout [name_of_your_new_branch]
```

create or update remotly

```
git push --set-upstream origin [name_of_branch]
```

view remote branches

```
git fetch -v
```

fetch remote branches

```
git checkout -b [branch] origin/[branch]
```

## delete remote branch

```
git push origin --delete [branch]
```

*# and locally*

```
git branch -d [branch]
```

## integrate changes from one branch into another branch

### merging

from feature branch to master

```
git checkout feature  
git merge master
```

### or rebasing

```
git checkout feature  
git rebase -i master  
  
# if remote feature is present force push on origin  
git push --force origin feature
```

### merge specific commit from branch to another

```
git co <branch-target>  
git cherry-pick <commit>
```

## Home Assistant

```
git clone https://github.com/scipioni/home-assistant.git  
cd home-assistant  
git remote add upstream https://github.com/home-assistant/home-assistant.git  
git pull upstream dev
```

## apache git

```
apt install apache2  
a2enmod dav_lock dav dav_fs macro  
systemctl restart apache2
```

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