

# Add Remote Repository

## Managing remote repositories

We can add multiple remote repositories and push the local repository to multiple remote repositories. Just change the origin such as origin 1, origin 2, and so on. The default is the `origin`.

```
git remote add origin your_repo_url.git
git remote add origin https://github.com/leonardtial/test.git

git remote add origin <remote address url repo 1>
git remote add origin_1 <remote address url repo 2>
git remote add origin_n <remote address url repo n>

git push -u origin master
git push -u origin_1 master
git push -u origin_n master

git remote add origin <your_repo_url.git>
git remote add origin_bitbucket <your_repo_url.git>

git remote add origin https://github.com/leonardtial/test.git
git remote add origin_bitbucket https://leonardtia57@bitbucket.org/leonardtia57/test.git

git push -u origin main
git push -u origin_bitbucket main
```

### To check the remote repository added

```
git remote -v
```

### Example using remote Repository

- Create 2 repositories: one on Github and another one on Bitbucket
- Clone Github repository
- Add some files and commit them into your local repository
- add Bitbucket remote url
- push the code into GitHub and bitbucket repo
- **NB:** the code should be in `main` in bitbucket because when you create a new repository in bitbucket, it creates a branch call `master` by default and the `main` by default in Github. When we will push the code into bitbucket, it will create a new branch called `main` and store the code in.

```
git clone git@github.com:leonardtial/test.git
ls
test
vim file.txt
git add .
git commit -m "a"
git remote -v
git branch -a
git remote add origin_bitbucket https://leonardtia57@bitbucket.org
/leonardtia57/test.git
git push -u origin main
git push -u origin_bitbucket main
```

### Managing remote repositories

#### To check the remote repository added

```
git remote -v
```

#### Renaming a remote repository

```
#View existing remotes*
$ git remote -v
> origin https://github.com/OWNER/REPOSITORY.git (fetch)
> origin https://github.com/OWNER/REPOSITORY.git (push)
```

#### Change remote name from 'origin' to 'origin\_git'

```
$ git remote rename origin origin_git

$ git remote -v
> origin_git https://github.com/OWNER/REPOSITORY.git (fetch)
> origin_git https://github.com/OWNER/REPOSITORY.git (push)

[root@localhost test2]# git remote -v
origin_bitbucket https://leonardtia57@bitbucket.org/leonardtia57
/test.git (fetch)
origin_bitbucket https://leonardtia57@bitbucket.org/leonardtia57
/test.git (push)
origin_git git@github.com:leonardtial/test2.git (fetch)
origin_git git@github.com:leonardtial/test2.git (push)
```

#### Removing a remote repository

```
$ git remote -v
# View current remotes
> origin https://github.com/OWNER/REPOSITORY.git (fetch)
> origin https://github.com/OWNER/REPOSITORY.git (push)
> destination https://github.com/FORKER/REPOSITORY.git (fetch)
> destination https://github.com/FORKER/REPOSITORY.git (push)

$ git remote rm destination
$ git remote -v

# Verify it's gone
> origin https://github.com/OWNER/REPOSITORY.git (fetch)
> origin https://github.com/OWNER/REPOSITORY.git (push)
```