# Using Init to Set Up a GitLab Remote Repo for a Local, non-Git Project

So you've got a project you're proud of, but you started it locally, without version control, and you want to change that and upload it to GitLab. Have no fear! Git's init command, and GitLab, are here to help you.

### **Turning Your Project Into a Repository**

The process is simple, though you will need to use a Terminal/console. First, navigate to the top folder of your project.

Now, use the command git init.

	Example\$ ls -l						
total 40							
-rw-rw-r 1	0 Mar 16 09:07 1Some.java						
-rw-rw-r 1	0 Mar 16 09:08 2Body.java						
-rw-rw-r 1	0 Mar 16 09:07 30nce.java						
-rw-rw-r 1	0 Mar 16 09:08 4Told.java						
-rw-rw-r 1	0 Mar 16 09:08 5Me.java						
:~/git/Example\$ git init							
Initialized empty Git \~/git/	repository in /home/ /git/Example/.git/ Example\$						

This turns the directory into a fully-functional git repository. However, you still need to add your project files to the repository so it knows about them and to track them.

You'll then add your project to the newly-created local repository using git add .

And commit the initial version using git commit .



(There will be a prompt that comes us asking you to write a message for the commit. I'd recommend putting something like "initial commit" or another comment that denotes this is the starting point for your project.)

## **Uploading the Project to GitLab**

Now comes the part where we upload our project to our remote server of choice, GitLab.

#### **Create a New Project On Your Remote Instance**

Create a new project on your gitlab instance. Be sure to leave the "Initialize Repository With a README" checkbox **unchecked**. This is important so we can push our local project repository to this repository.

	Blank project	Create from template	Import project	CI/CD for external repo	
A project is where you house your files (repository), plan your work (issues), and publish your documentation (wiki), among	Project name	_			
other things.	Example Project				
All features are enabled for blank projects, from templates, or when importing, but you can disable them afterward in the project	Project URL		Project slug		
	https://gitlab.com/Hummin	ngrain/	example-project		
settings.	Want to house several dependent projects under the same namespace? Create a group.				
To only use CI/CD features for an external repository, choose <b>CI/CD for external repo</b> .	Project description (optional)				
Tip: You can also create a project from the command line. Show command	Description format				
	Visibility Level 📀			10.	
	Private     Project access must be g	granted explicitly to each user.			
	• <b>U</b> Internal The project can be acces	ssed by any logged in user.			
	Public The project can be access	ssed without any authentication.			
	Initialize separatory with a f	README			

Also be sure you have your SSH key for your GitLab account set up and ready to go. See <u>the SSH documentation</u> for more details.

#### **Push Your Project From Your Local Repository**

Add the remote repository you want to push to as the origin (default) repository.

git remote add origin (YOUR PROJECT URL)

```
p:~/git/Example$ ls -l
total 40
-rw-rw-r-- 1
                      0 Mar 16 09:07 1Some.java
                  0 Mar 16 09:08 2Body.java
-rw-rw-r-- 1
                  0 Mar 16 09:07 30nce.java
0 Mar 16 09:08 4Told.java
- rw- rw- r - -
          1
rw-rw-r-- 1
                      0 Mar 16 09:08 5Me.java
             :~/git/Example$ git init
Initialized empty Git repository in /home/c /git/Example/.git/
              :~/git/Example$ git add .
               :~/git/Example$ git commit
[master (root-commit) 17dcc99] Starting version.
5 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 1Some.java
create mode 100644 2Body.java
create mode 100644 30nce.java
create mode 100644 4Told.java
create mode 100644 5Me.java
             :~/git/Example$ git remote add origin git@gitlab.com:Hummingrain/
example-project.git
              :~/git/Example$
```

And now push everything to the origin (remote) repository.

git push -u origin --tags ):~/git/Example\$ git remote add origin git@gitlab.com:Hummingrain/ example-project.git The authenticity of host 'gitlab.com (35.231.145.151)' can't be established. ECDSA key fingerprint is SHA256:HbW3g8zUjNSksFbqTiUWPWg2Bq1x8xdGUrliXFzSnUw. Are you sure you want to continue connecting (yes/no)? yes Warning: Permanently added 'gitlab.com,35.231.145.151' (ECDSA) to the list of kn own hosts. Counting objects: 3, done. Delta compression using up to 4 threads. Compressing objects: 100% (2/2), done. Writing objects: 100% (3/3), 248 bytes | 248.00 KiB/s, done. Total 3 (delta 0), reused 0 (delta 0) To gitlab.com:Hummingrain/example-project.git [new branch] master -> master Branch 'master' set up to track remote branch 'master' from 'origin'. :~/git/Example\$ git push -u origin --tags Everything up-to-date >:~/git/Example\$

#### You're Done!

git push -u origin --all

And now your project is all checked-in, has a remote repo set, is uploaded to GitLab, and is otherwise ready to go! Celebrate your victory.

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* CI/CD		4Told.java	Starting version.		37 minutes ago
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