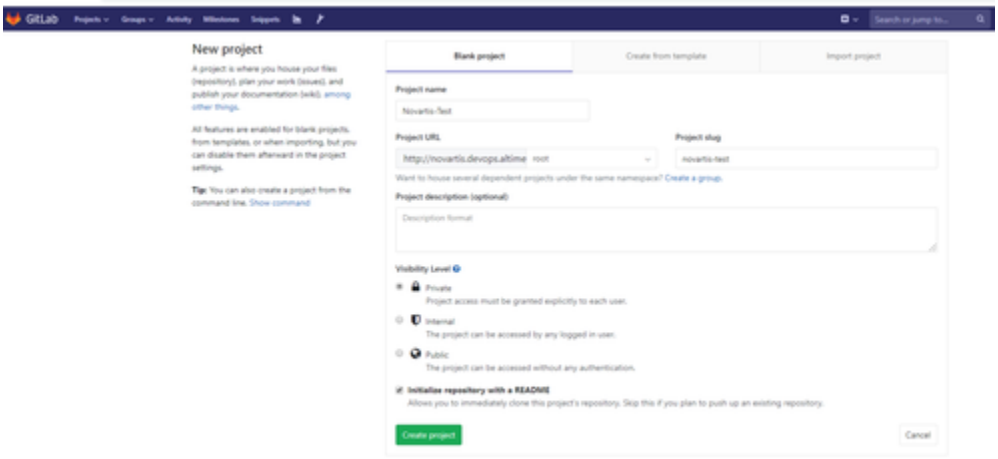
GitLab: Setup sample Python repository

GitLab repository creation:

1. Go to project > New project > sample project name > Create Project



2. No Need to Create repository ,Automatically will create once Project created.

3. it will create with an empty repository.

To get started you will need to run below commands.

Configure Git for the first time

1.Setting your Git username for every repository on your computer.open git bash and run below commands

```
gbiswal@AIPL-LT-1025 MINGW64 /d/LuckyLuckyLucky/Altimetrik/DevOps-Platform-Imple
mentation-and-Architecture/Code/git/altimetrik.com/bitbucket/projects/DEVOPS
$ git config --global user.name "gbiswal"

gbiswal@AIPL-LT-1025 MINGW64 /d/LuckyLuckyLucky/Altimetrik/DevOps-Platform-Imple
mentation-and-Architecture/Code/git/altimetrik.com/bitbucket/projects/DEVOPS
$ git config --global user.email "gbiswal@altimetrik.com"
```

To check whether username is added or not run git config --list command

```
$ git config --list
core.symlinks=false
core.autocrlf=true
core.fscache=true
color.diff=auto
color.status=auto
color.branch=auto
color.interactive=true
help.format=html
rebase.autosquash=true
http.sslcainfo=C:/Users/gbiswal/AppData/Local/Programs/Git/mingw64/ssl/certs/ca-bundle.crt
http.sslbackend=openssl
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge --skip -- %f
filter.lfs.process=git-lfs filter-process --skip
filter.lfs.required=true
credential.helper=manager
user.name=gbiswal
user.email=gbiswal@altimetrik.com
```

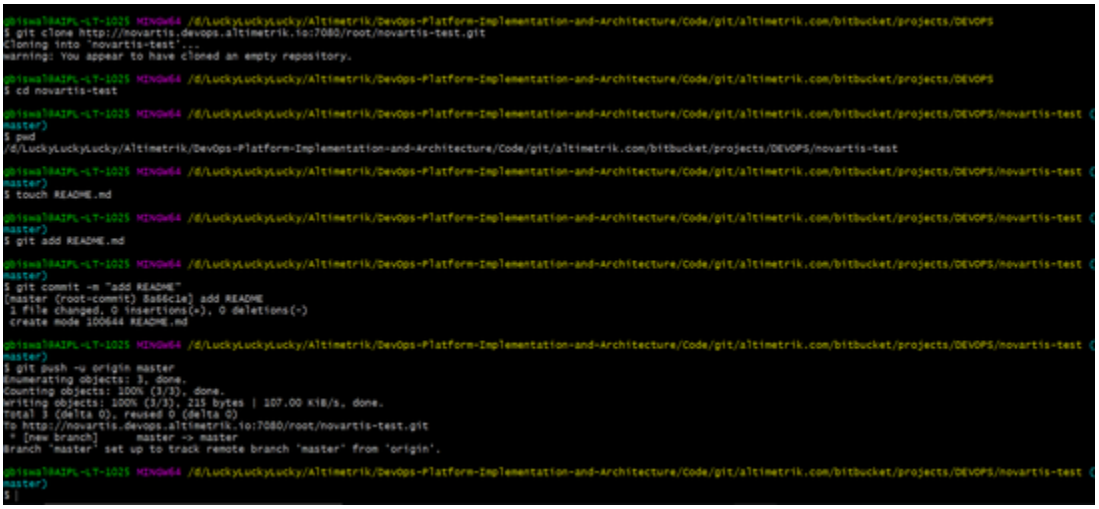
Clone repository

1. If you want to simply clone this empty repository then run this command in your terminal.

```
gbiswal@AIPL-LT-1025 MINGW64 /d/LuckyLuckyLucky/Altimetrik/DevOps-Platform-Implementation-and-Architecture/Code/git/altimetrik.com/bitbucket/projects/DEVOPS
$ git clone http://novartis.devops.altimetrik.io:7080/root/novartis-test.git
Cloning into 'novartis-test'...
warning: You appear to have cloned an empty repository.
```

2. If you already have code ready to be pushed to this repository then run this in your terminal

```
$ cd novartis-test
$ touch README.md
$ git add README.md
$ git commit -m "add README"
$ git push -u origin master
```



How to CREATE BRANCH:

we can create branch in 2 ways

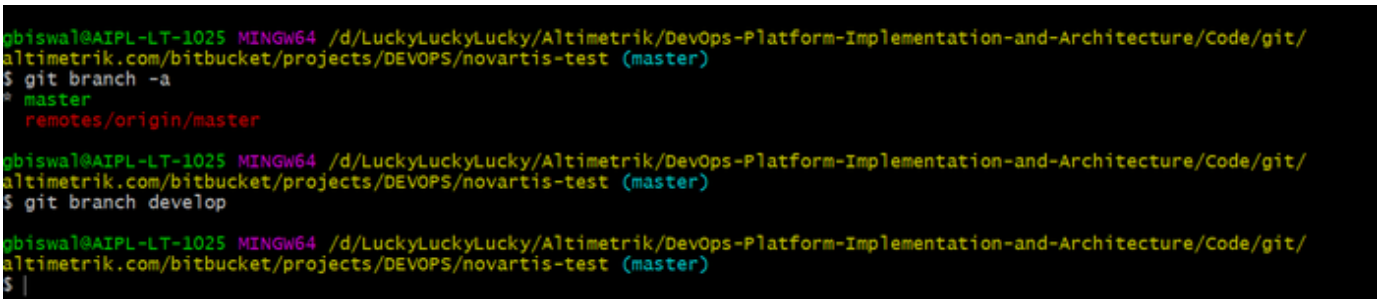
1.Manual using git commands

2. Git-Lab dashboard

Using Git commands
Go to bash terminal run below commands

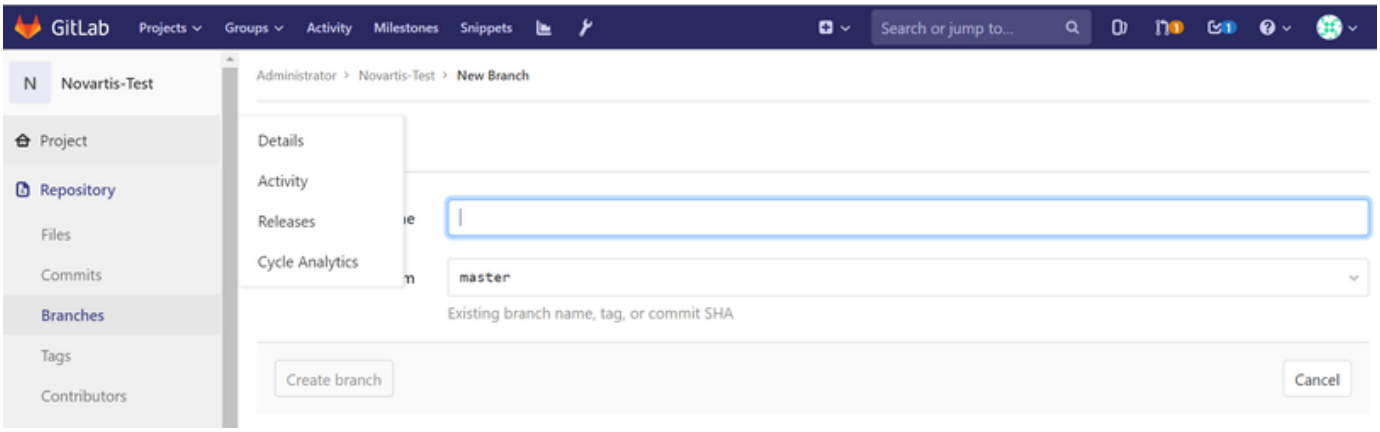
git branch -a

git branch develop



Using Git-Lab dashboard

Go to repository >Create branch from here



Sample Hello World programming using Python

1.First lines of code

print("hello world")

Save the source code in repository in the name of helloworld.py

```
git add .
git commit -m "Initial Commit"
git push -u origin master
```

2. **Compile the Python code**

```
D:\LuckyLuckyLucky\Altimetrik\DevOps-Platform-Implementation-and-Architecture\Code\git\altimetrik.com\bitbucket\projects\DEVOPS\novartis-test>python helloworld.py
hello world
```