




# Git Commit & Push using Feature Branch


After creating the feature branch using bit bucket we must  
commit and push the code to the existing feature branch  
after that we must build and deploy on Jenkins

## Create branch

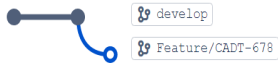
Repository  NatGasSolutionsDeli... /GasIntegrationManager ▾

Branch type Custom ▾

[Learn about branch types](#)

Branch from  develop ▾

Branch name

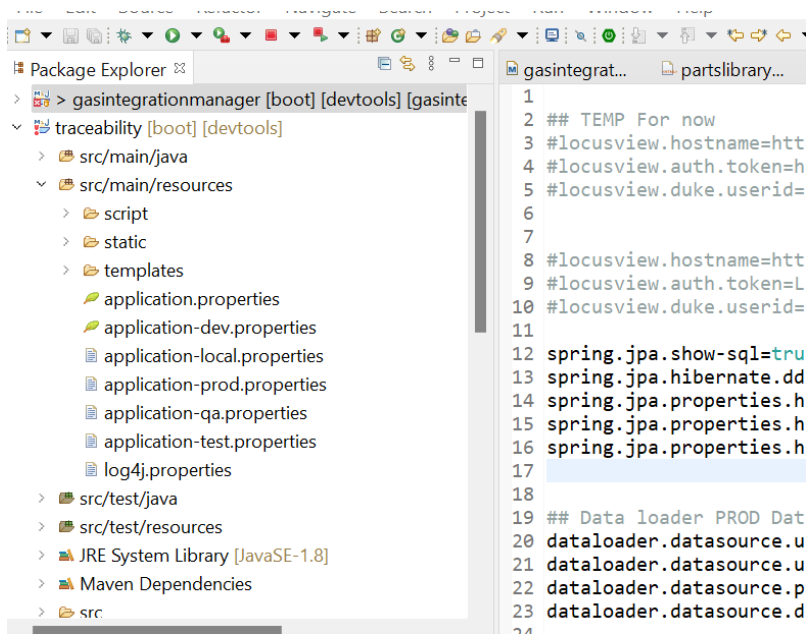


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Step1- We must create feature branch in bitbucket open bit bucket on the left side there is icon named create branch click on that the page will open there you always create develop branch choose there develop in place of master and give the name of your branch as below.



Step2 – We move to STS  
right click on project  
(gasintegrationmanager)  
choose the option ->  
show in local terminal ->  
Git Bash

```
ssing23@CPC-Shiva-G75MA MINGW64 ~/OneDrive - Duke Energy/Desktop/Duke Energy Project/Gim 1/gasintegrationmanager (develop)
$ git init
Reinitialized existing Git repository in C:/Users/ssing23/OneDrive - Duke Energy/Desktop/Duke Energy Project/Gim 1/gasintegrati
onmanabranch
ger/.git/

ssing23@CPC-Shiva-G75MA MINGW64 ~/OneDrive - Duke Energy/Desktop/Duke Energy Project/Gim 1/gasintegrationmanager (develop)
$ git fetch
remote: Enumerating objects: 48, done.
remote: Counting objects: 100% (42/42), done.
remote: Compressing objects: 100% (14/14), done.
remote: Total 22 (delta 10), reused 0 (delta 0)
Unpacking objects: 100% (22/22), 1.65 KiB | 5.00 KiB/s, done.
From https://bitbucketp.duke-energy.com/scm/nat/gasintegrationmanager
   c902494..e570286  develop       -> origin/develop
   * [new branch]   Feature/CADT-590 -> origin/Feature/CADT-590
   7610a3b..36497aa  feature/CADT-1585-SMT-New-Fields-For-Maximo-Alignment -> origin/feature/CADT-1585-SMT-New-Fields-For-Maxim
o-Alig
nment

ssing23@CPC-Shiva-G75MA MINGW64 ~/OneDrive - Duke Energy/Desktop/Duke Energy Project/Gim 1/gasintegrationmanager (develop)
$ git checkout Feature/CADT-590
Switched to a new branch 'Feature/CADT-590'
M       GasIntegrationManager.log
branch 'Feature/CADT-590' set up to track 'origin/Feature/CADT-590'.
```

Step3 – Now  
move to terminal  
and execute the  
following  
command to  
switch to feature  
branch

Step4 – Now we move to STS and do the changes where there is a code changes is required; we must do on a different files but before doing the changes we have to execute one command on STS terminal \$git branch

```
ssing23@CPC-Shiva-G75MA MINGW64 ~/OneDrive - Duke Energy/Desktop/Duke Energy Project/Gim 1/gasintegrationmanager (Feature/CADT-590)
$ git branch
* Feature/CADT-590
develop
```

Step5 – Now whatever the changes we have done in the files we have to save that and execute the following command in terminal in order to add the code and commit it & push

```
ssing23@CPC-Shiva-G75MA MINGW64 ~/OneDrive - Duke Energy/Desktop/Duke Energy Project/Gim 1/gasintegrationmanager (Feature/CADT-590)
$ git status
On branch Feature/CADT-590
Your branch is up to date with 'origin/Feature/CADT-590'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   GasIntegrationManager.log
        modified:   src/main/resources/templates/home.html
        modified:   target/classes/META-INF/spring-configuration-metadata.json
        modified:   target/classes/com/dukeenergy/gim/service/smt/impl/SMTRecMsgServiceImpl.class
        modified:   target/classes/templates/home.html

        /META-INF/spring-configuration-metadata.json
        modified:   target/classes/com/dukeenergy/gim/service/smt/impl/SMTRecMsgServiceImpl.class
        modified:   target/classes/templates/home.html
$ ^C

ssing23@CPC-Shiva-G75MA MINGW64 ~/OneDrive - Duke Energy/Desktop/Duke Energy Project/Gim 1/gasintegrationmanager (Feature/CADT-590)
$ git add src/main/resources/templates/home.html
remote: Total 22 (delta 10), reused 0 (delta 0)
ssing23@CPC-Shiva-G75MA MINGW64 ~/OneDrive - Duke Energy/Desktop/Duke Energy Project/Gim 1/gasintegrationmanager (Feature/CADT-590)
$ git commit -m "Disabling right click"
[Feature/CADT-590 e5e9cfa] Disabling right clickdevelop
Committer: Singh <Shivam.Singh@duke-energy.com>Feature/CADT-590
Your name and email address were configured automatically based on: Alignment -> origin/feature/CADT-1585-SMT-New-Fields-For-Maximo-Alig
$
$
$
$
```

Step6 – No last step is to push the code and after doing this you go to bitbucket URL and on left there is a icon named commits click on that and you see you changes there.

```
ssing23@CPC-Shiva-G75MA MINGW64 ~/OneDrive - Duke Energy/Desktop/Duke Energy Project/Gim 1/gasintegrationmanager (Feature/CADT-590)
$ git push
Enumerating objects: 13, done.
Counting objects: 100% (13/13), done.
Delta compression using up to 4 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (7/7), 671 bytes | 223.00 KiB/s, done.
Total 7 (delta 4), reused 0 (delta 0), pack-reused 0
remote:
remote: Create pull request for Feature/CADT-590:
remote:   https://bitbucketp.duke-energy.com/projects/NAT/repos/gasintegrationmanager/pull-requests?create&sourceBranch=refs%2Fheads%2FFeature%2FCADT-590
remote:
To https://bitbucketp.duke-energy.com/scm/nat/gasintegrationmanager.git
   e570286..e5e9cfa  Feature/CADT-590 -> Feature/CADT-590
ssing23@CPC-Shiva-G75MA MINGW64 ~/OneDrive - Duke Energy/Desktop/Duke Energy Project/Gim 1/gasintegrationmanager (Feature/CADT-590)
$
```