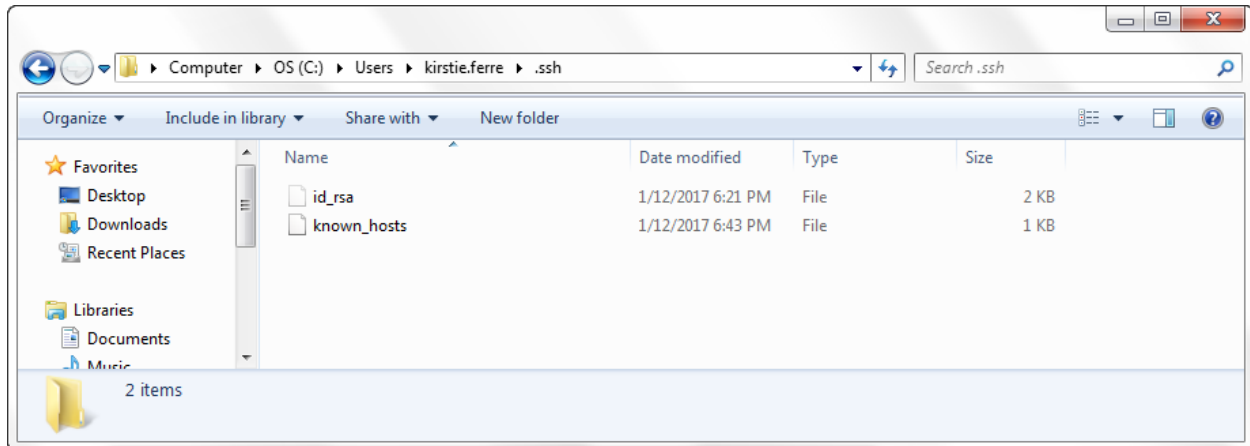
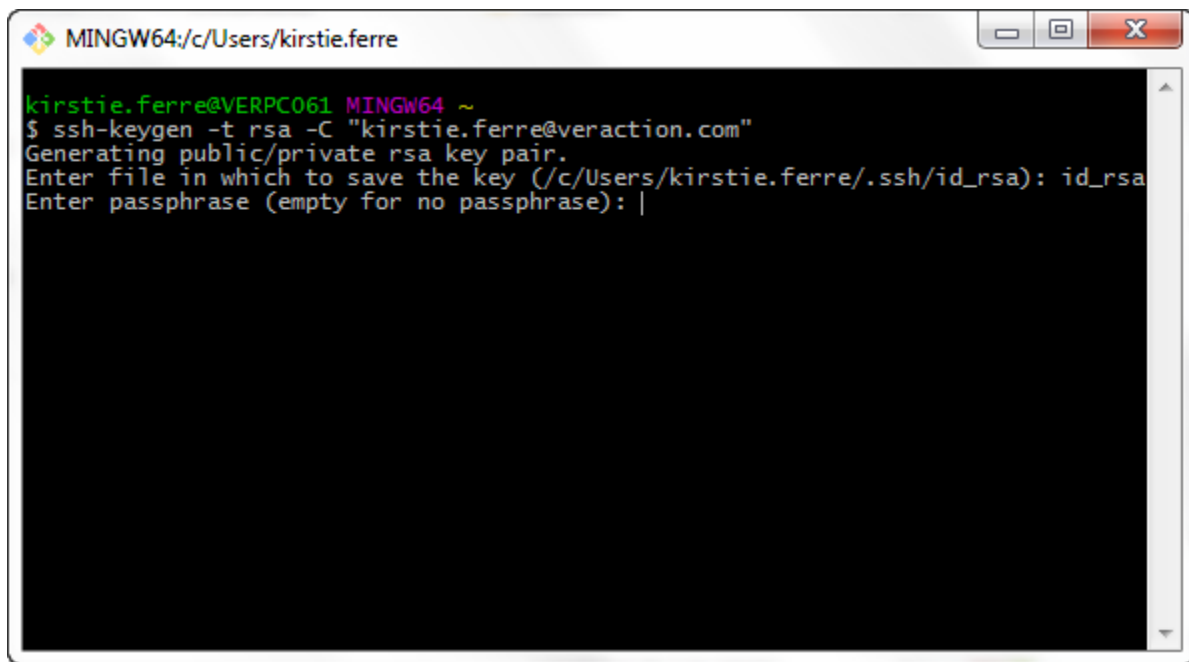


GENERATE SSH KEYS

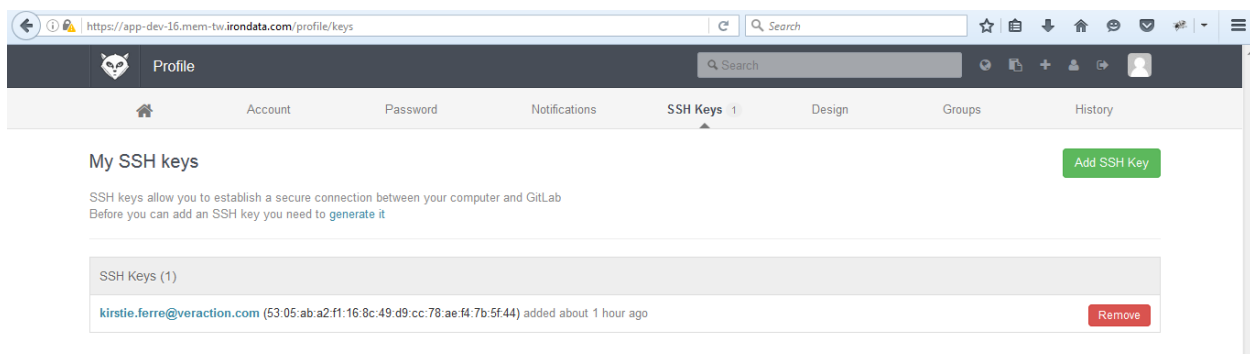
1. Create .ssh folder under C:\Users\<username>



2. Generate SSH key in GitBash command prompt.

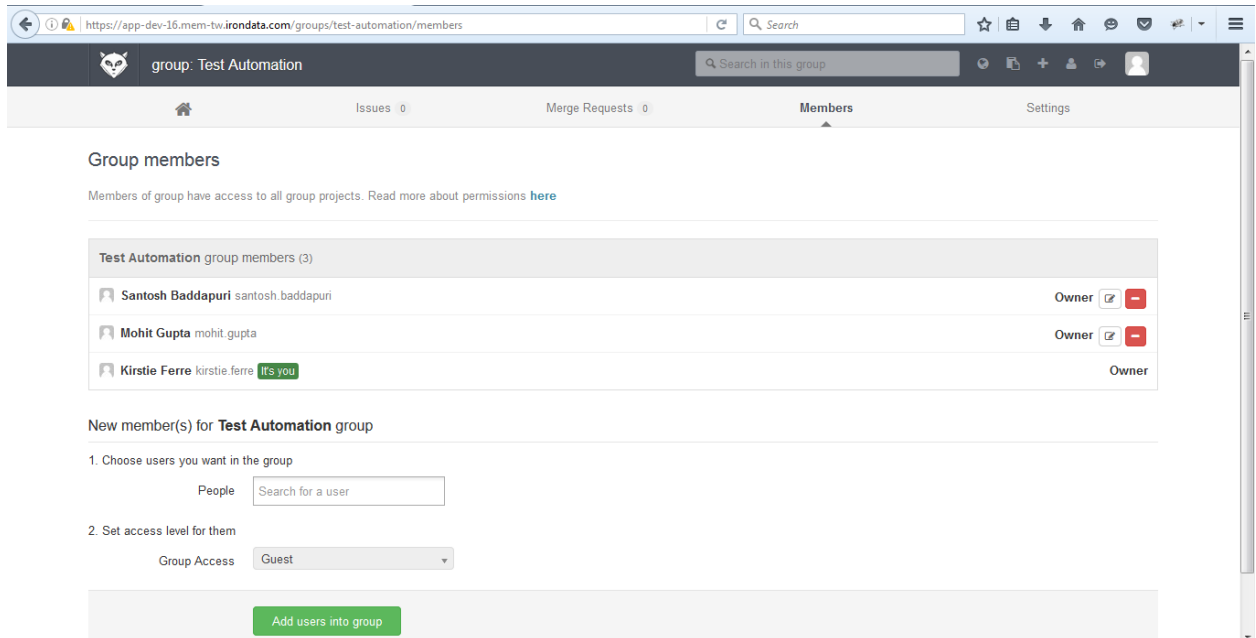


3. Copy the generated public key inside the .ssh folder
4. Add the SSH public key in Gitlab profile.

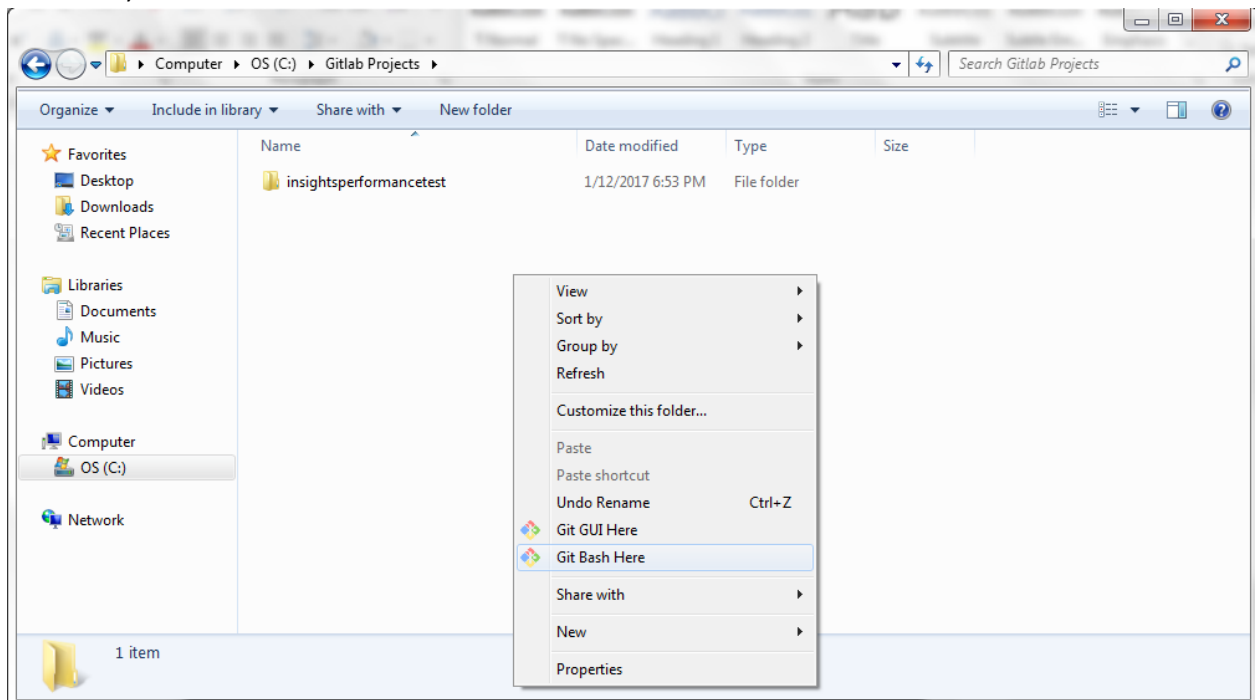


CHECKOUT PROJECT

1. Add user access to the Group with the specific projects.

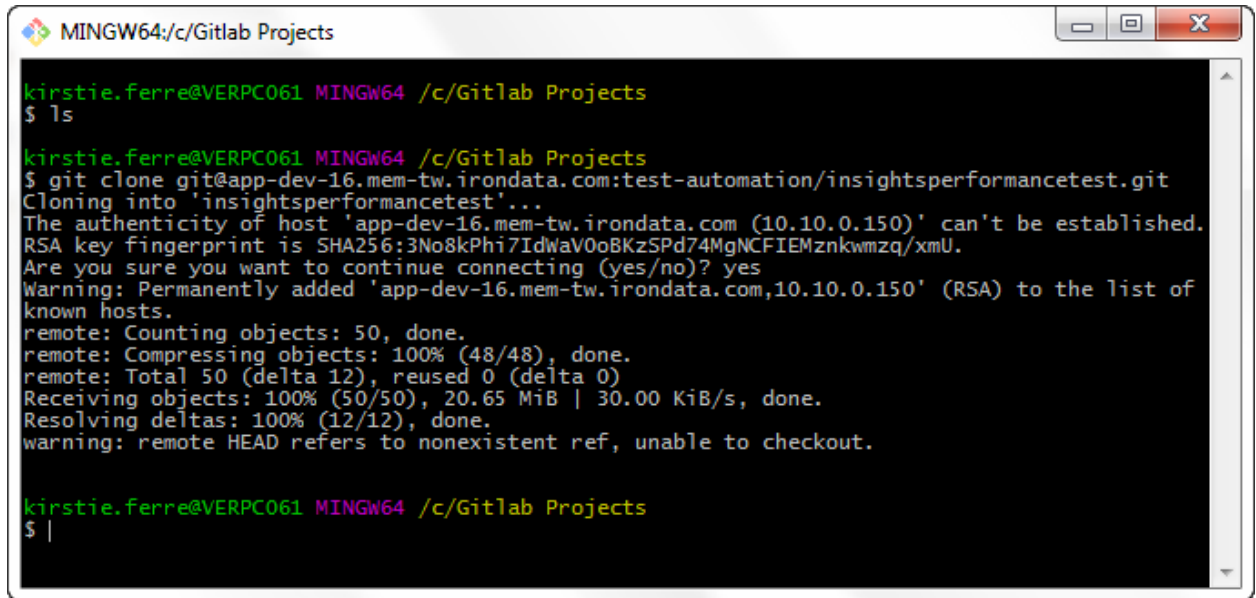


2. Create Gitlab Projects folder in your local and run GitBash Here. (Git Bash should be installed.)



3. Clone the project.

\$ git clone <link from GIT>



A terminal window titled 'MINGW64:/c/Gitlab Projects' showing the process of cloning a repository. The user runs 'ls' and then 'git clone git@app-dev-16.mem-tw.irondata.com:test-automation/insightsperformancetest.git'. The terminal output shows the cloning progress, including object counting, compression, and receiving. A warning message indicates that the host's RSA key fingerprint has been added to the list of known hosts. The process completes with a warning that the remote HEAD refers to a nonexistent ref, making it unable to checkout.

```
MINGW64:/c/Gitlab Projects
kirstie.ferre@VERPC061 MINGW64 /c/Gitlab Projects
$ ls

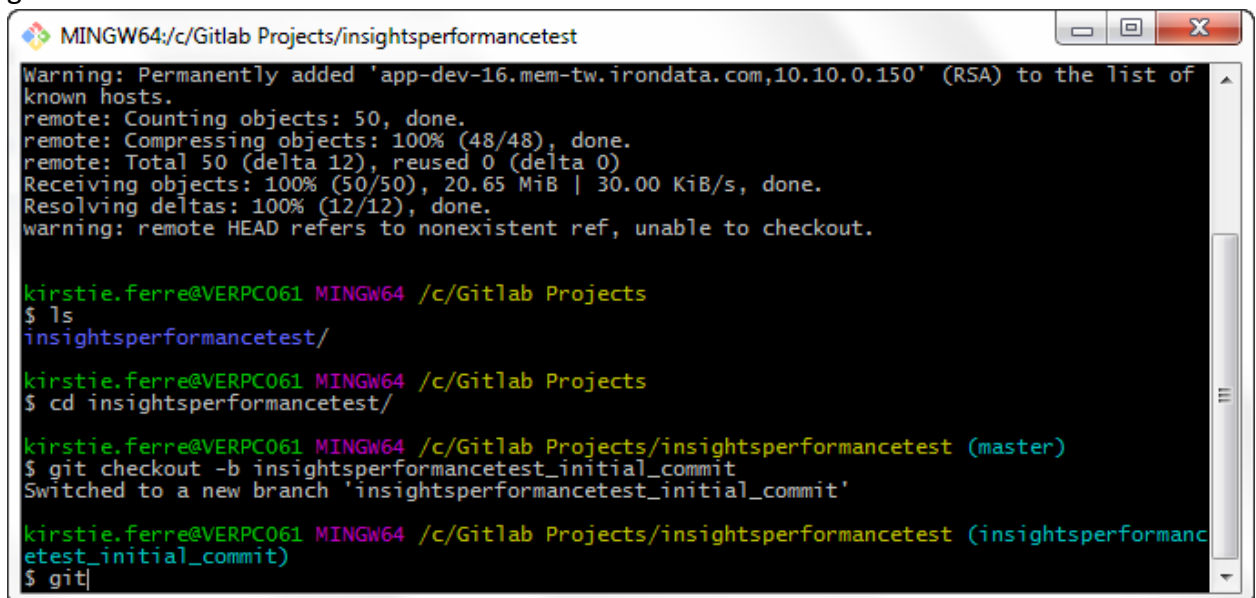
kirstie.ferre@VERPC061 MINGW64 /c/Gitlab Projects
$ git clone git@app-dev-16.mem-tw.irondata.com:test-automation/insightsperformancetest.git
Cloning into 'insightsperformancetest'...
The authenticity of host 'app-dev-16.mem-tw.irondata.com (10.10.0.150)' can't be established.
RSA key fingerprint is SHA256:3No8kPhi7IdwaV0o8KzSPd74MgNCFIEMznkwmzq/xmU.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'app-dev-16.mem-tw.irondata.com,10.10.0.150' (RSA) to the list of
known hosts.
remote: Counting objects: 50, done.
remote: Compressing objects: 100% (48/48), done.
remote: Total 50 (delta 12), reused 0 (delta 0)
Receiving objects: 100% (50/50), 20.65 MiB | 30.00 KiB/s, done.
Resolving deltas: 100% (12/12), done.
warning: remote HEAD refers to nonexistent ref, unable to checkout.

kirstie.ferre@VERPC061 MINGW64 /c/Gitlab Projects
$ |
```

4. Switch from the master to the correct branch.

cd <project name>

git checkout -b <branch name>



A terminal window titled 'MINGW64:/c/Gitlab Projects/insightsperformancetest' showing the process of switching to a new branch. The user runs 'ls' and 'cd insightsperformancetest/'. The terminal output shows the directory change and the execution of 'git checkout -b insightsperformancetest_initial_commit'. The terminal indicates that a new branch has been created and the user has switched to it. The process ends with the user typing 'git'.

```
MINGW64:/c/Gitlab Projects/insightsperformancetest
Warning: Permanently added 'app-dev-16.mem-tw.irondata.com,10.10.0.150' (RSA) to the list of
known hosts.
remote: Counting objects: 50, done.
remote: Compressing objects: 100% (48/48), done.
remote: Total 50 (delta 12), reused 0 (delta 0)
Receiving objects: 100% (50/50), 20.65 MiB | 30.00 KiB/s, done.
Resolving deltas: 100% (12/12), done.
warning: remote HEAD refers to nonexistent ref, unable to checkout.

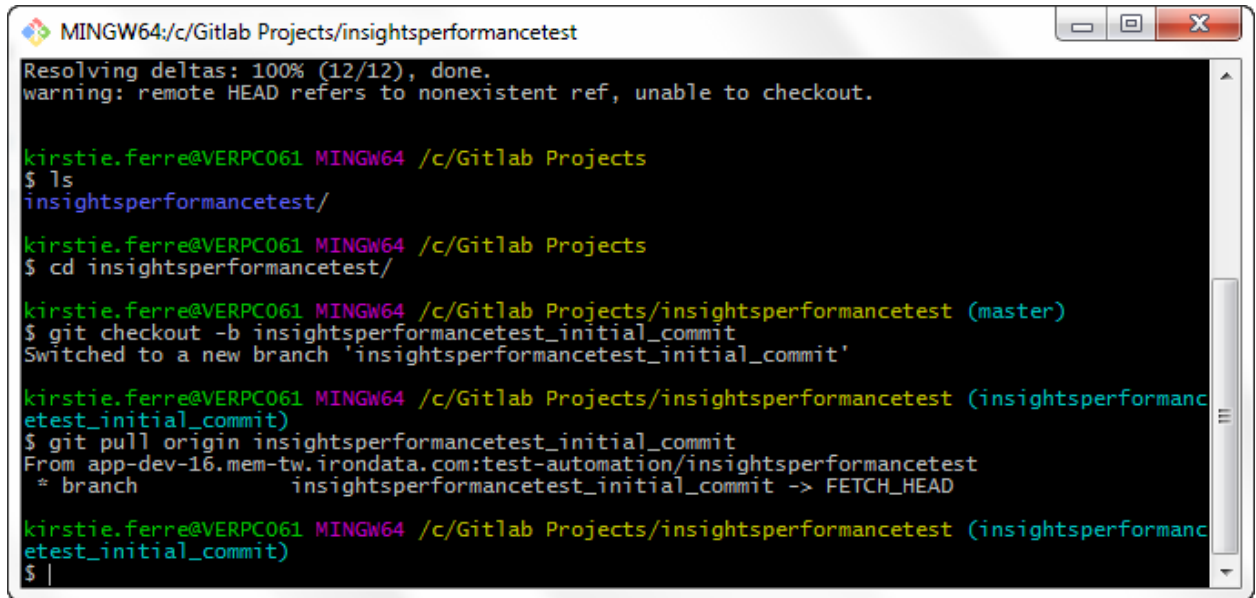
kirstie.ferre@VERPC061 MINGW64 /c/Gitlab Projects
$ ls
insightsperformancetest/

kirstie.ferre@VERPC061 MINGW64 /c/Gitlab Projects
$ cd insightsperformancetest/

kirstie.ferre@VERPC061 MINGW64 /c/Gitlab Projects/insightsperformancetest (master)
$ git checkout -b insightsperformancetest_initial_commit
Switched to a new branch 'insightsperformancetest_initial_commit'

kirstie.ferre@VERPC061 MINGW64 /c/Gitlab Projects/insightsperformancetest (insightsperformancetest_initial_commit)
$ git|
```

5. Pull the files/source code from the branch.
Git pull origin <branch name>



```
MINGW64/c/Gitlab Projects/insightsperformancetest
Resolving deltas: 100% (12/12), done.
warning: remote HEAD refers to nonexistent ref, unable to checkout.

kirstie.ferre@VERPC061 MINGW64 /c/Gitlab Projects
$ ls
insightsperformancetest/

kirstie.ferre@VERPC061 MINGW64 /c/Gitlab Projects
$ cd insightsperformancetest/

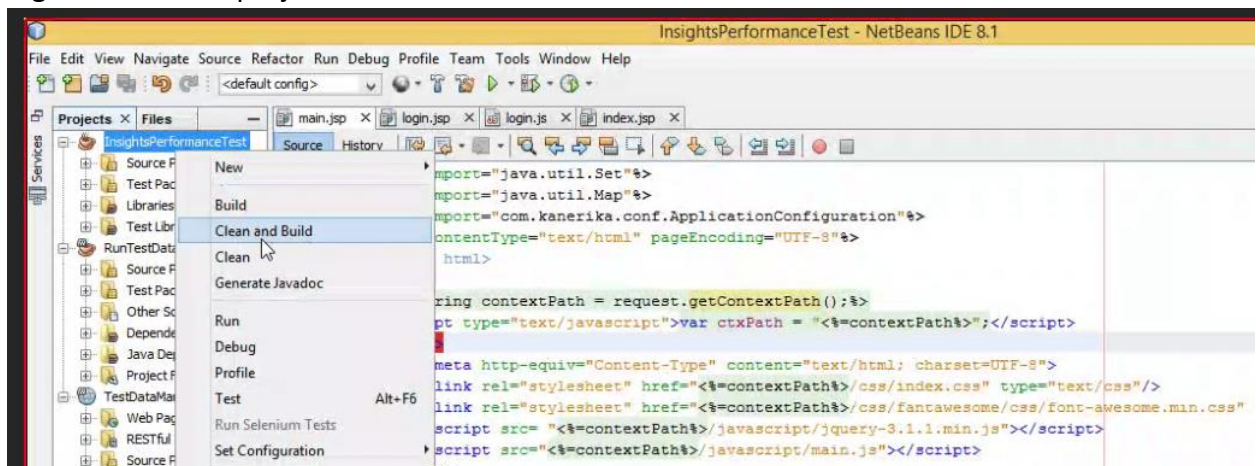
kirstie.ferre@VERPC061 MINGW64 /c/Gitlab Projects/insightsperformancetest (master)
$ git checkout -b insightsperformancetest_initial_commit
Switched to a new branch 'insightsperformancetest_initial_commit'

kirstie.ferre@VERPC061 MINGW64 /c/Gitlab Projects/insightsperformancetest (insightsperformancetest_initial_commit)
$ git pull origin insightsperformancetest_initial_commit
From app-dev-16.mem-tw.irondata.com:test-automation/insightsperformancetest
* branch            insightsperformancetest_initial_commit -> FETCH_HEAD

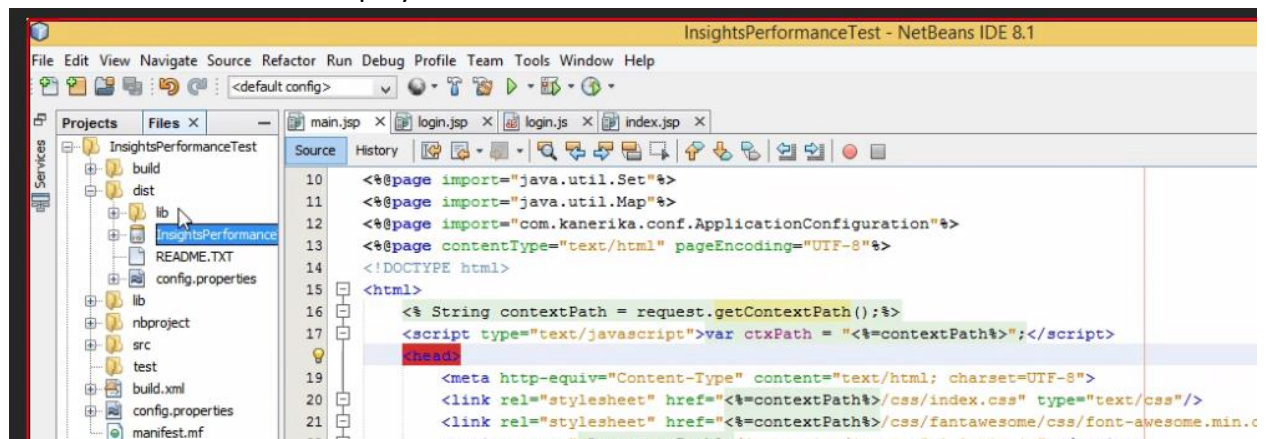
kirstie.ferre@VERPC061 MINGW64 /c/Gitlab Projects/insightsperformancetest (insightsperformancetest_initial_commit)
$
```

BUILD PROJECT

1. Open the project in the IDE.
2. Right click on the project and select Clean and Build.



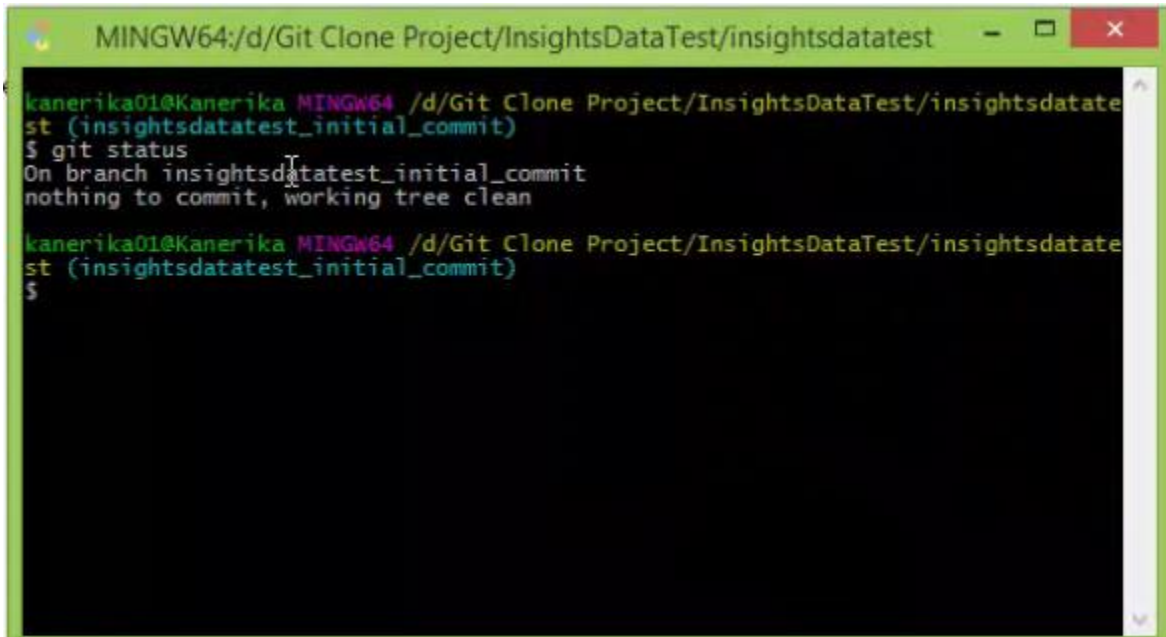
3. All files under dist are to be deployed in the VM for automation.



COMMIT CODE CHANGES

1. Check the GIT status.

\$ git status

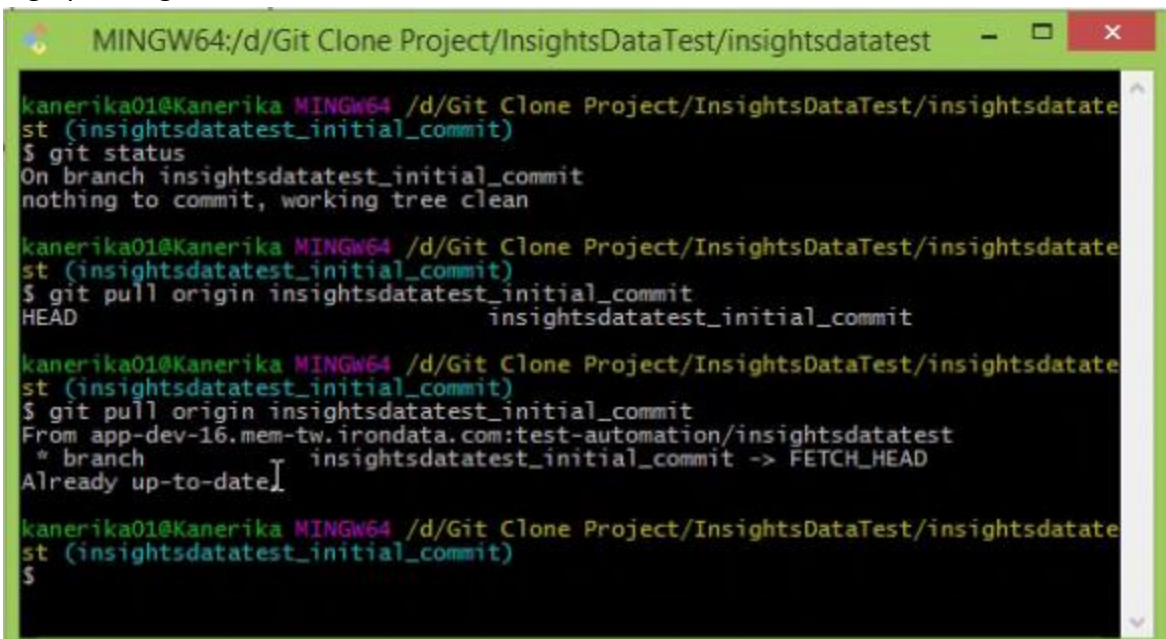
A terminal window titled 'MINGW64:/d/Git Clone Project/InsightsDataTest/insightsdatatest' showing the output of the 'git status' command. The output indicates the current branch is 'insightsdatatest_initial_commit' and the working tree is clean.

```
kanerika01@Kanerika MINGW64 /d/Git Clone Project/InsightsDataTest/insightsdatatest
st (insightsdatatest_initial_commit)
$ git status
On branch insightsdatatest_initial_commit
nothing to commit, working tree clean

kanerika01@Kanerika MINGW64 /d/Git Clone Project/InsightsDataTest/insightsdatatest
st (insightsdatatest_initial_commit)
$
```

2. Pull the latest source code from GIT Lab.

\$ git pull origin <branch name>

A terminal window titled 'MINGW64:/d/Git Clone Project/InsightsDataTest/insightsdatatest' showing the output of the 'git pull' command. It first shows the status, then the pull command, and finally the result 'Already up-to-date'.

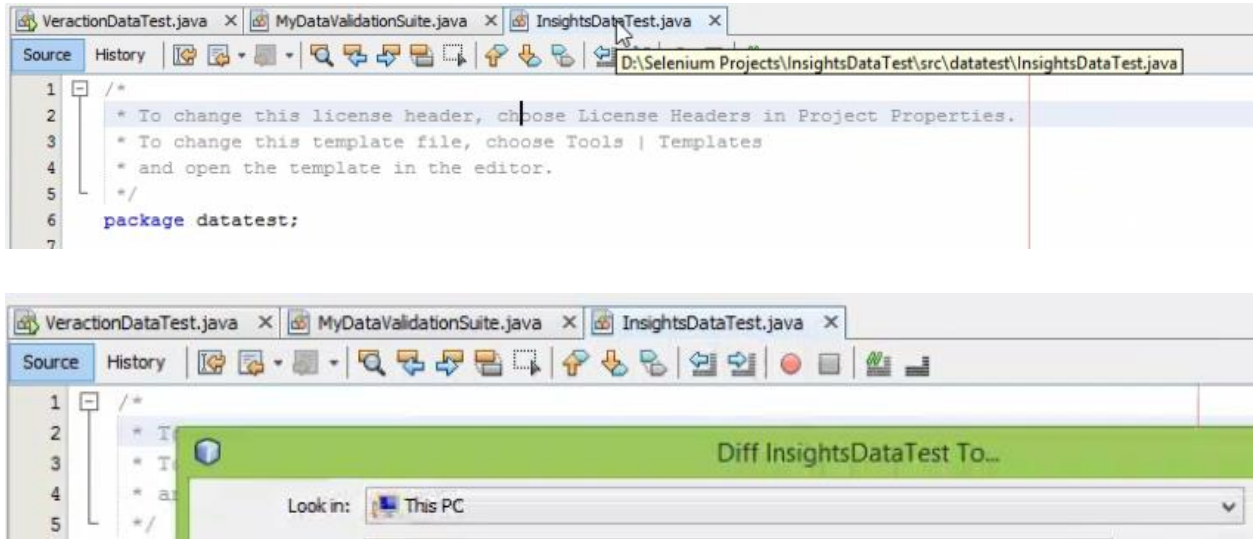
```
kanerika01@Kanerika MINGW64 /d/Git Clone Project/InsightsDataTest/insightsdatatest
st (insightsdatatest_initial_commit)
$ git status
On branch insightsdatatest_initial_commit
nothing to commit, working tree clean

kanerika01@Kanerika MINGW64 /d/Git Clone Project/InsightsDataTest/insightsdatatest
st (insightsdatatest_initial_commit)
$ git pull origin insightsdatatest_initial_commit
HEAD
insightsdatatest_initial_commit

kanerika01@Kanerika MINGW64 /d/Git Clone Project/InsightsDataTest/insightsdatatest
st (insightsdatatest_initial_commit)
$ git pull origin insightsdatatest_initial_commit
From app-dev-16.mem-tw.irondata.com:test-automation/insightsdatatest
* branch
insightsdatatest_initial_commit -> FETCH_HEAD
Already up-to-date

kanerika01@Kanerika MINGW64 /d/Git Clone Project/InsightsDataTest/insightsdatatest
st (insightsdatatest_initial_commit)
$
```


3. Merge the code changes from local file to the clone file from GIT Lab.



4. After merging all the changes, check the GIT status.

\$ git status

```
MINGW64:/d/Git Clone Project/InsightsDataTest/insightsdatatest
st (insightsdatatest_initial_commit)
$ git pull origin insightsdatatest_initial_commit
From app-dev-16.mem-tw.irondata.com:test-automation/insightsdatatest
* branch insightsdatatest_initial_commit -> FETCH_HEAD
Already up-to-date.

kanerika01@Kanerika MINGW64 /d/Git Clone Project/InsightsDataTest/insightsdatatest
st (insightsdatatest_initial_commit)
$ git status
On branch insightsdatatest_initial_commit
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

    modified:   src/datatest/InsightsDataTest.java
    modified:   src/datatest/KeyMetricsDataTest.java
    modified:   src/queryPages/GeoMetricsQuery.java
    modified:   src/utilities/NumberFormatting.java

no changes added to commit (use "git add" and/or "git commit -a")

kanerika01@Kanerika MINGW64 /d/Git Clone Project/InsightsDataTest/insightsdatatest
st (insightsdatatest_initial_commit)
$
```

5. Commit or add the changes and put comment on the changes made.

\$ git commit -a -m "Comment here"

```
MINGW64:/d/Git Clone Project/InsightsDataTest/insightsdatatest
st (insightsdatatest_initial_commit)
$ git status
On branch insightsdatatest_initial_commit
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   src/datatest/InsightsDataTest.java
        modified:   src/datatest/KeyMetricsDataTest.java
        modified:   src/queryPages/GeoMetricsQuery.java
        modified:   src/utilities/NumberFormatting.java

no changes added to commit (use "git add" and/or "git commit -a")

kanerika01@Kanerika MINGW64 /d/Git Clone Project/InsightsDataTest/insightsdatatest
st (insightsdatatest_initial_commit)
$ git commit -a -m "Sorting, Rounding and adjustments"
warning: LF will be replaced by CRLF in src/utilities/NumberFormatting.java.
The file will have its original line endings in your working directory.
[insightsdatatest_initial_commit bla860c] Sorting, Rounding and adjustments
Committer: Mohit Gupta <Mohit Gupta>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

4 files changed, 55 insertions(+), 19 deletions(-)

kanerika01@Kanerika MINGW64 /d/Git Clone Project/InsightsDataTest/insightsdatatest (insightsdatatest_initial_commit)
$
```

6. Get the latest source files again from GitLab before pushing the new changes from your local. \$ git pull origin <branch name>

```
MINGW64:/d/Git Clone Project/InsightsDataTest/insightsdatatest
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

4 files changed, 55 insertions(+), 19 deletions(-)

kanerika01@Kanerika MINGW64 /d/Git Clone Project/InsightsDataTest/insightsdatatest (insightsdatatest_initial_commit)
$ git status
On branch insightsdatatest_initial_commit
nothing to commit, working tree clean

kanerika01@Kanerika MINGW64 /d/Git Clone Project/InsightsDataTest/insightsdatatest (insightsdatatest_initial_commit)
$ git pull origin insightsdatatest_initial_commit
From app-dev-16.mem-tw.irondata.com:test-automation/insightsdatatest
 * branch                insightsdatatest_initial_commit -> FETCH_HEAD
Already up-to-date.

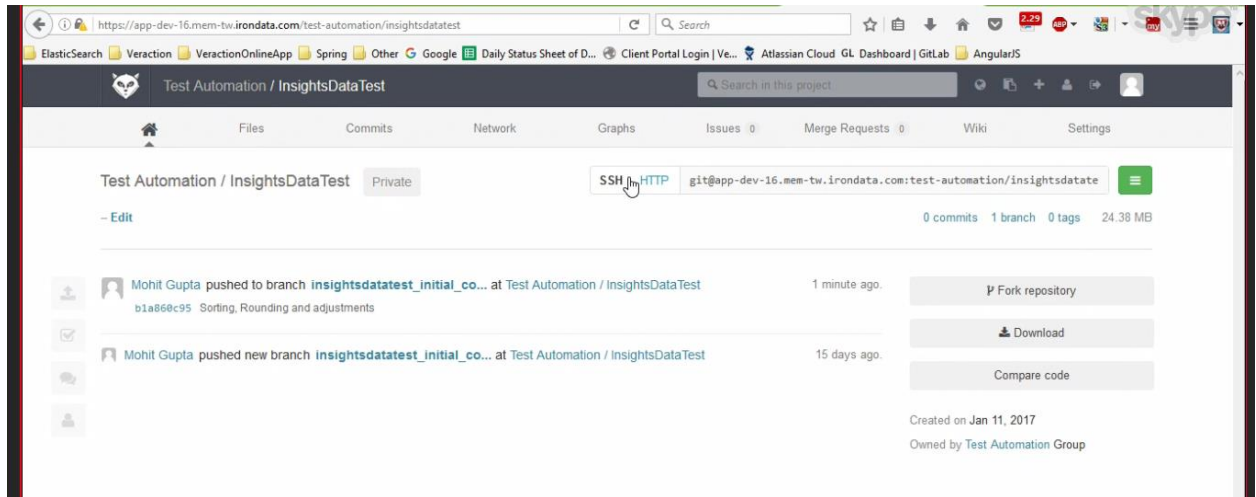
kanerika01@Kanerika MINGW64 /d/Git Clone Project/InsightsDataTest/insightsdatatest (insightsdatatest_initial_commit)
$ git push origin insightsdatatest_initial_commit
Counting objects: 10, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (10/10), done.
Writing objects: 100% (10/10), 1.59 KiB | 0 bytes/s, done.
Total 10 (delta 9), reused 0 (delta 0)
To app-dev-16.mem-tw.irondata.com:test-automation/insightsdatatest.git
 e187868..bla860c insightsdatatest_initial_commit -> insightsdatatest_initial_commit

kanerika01@Kanerika MINGW64 /d/Git Clone Project/InsightsDataTest/insightsdatatest (insightsdatatest_initial_commit)
$
```

7. Then push the latest changes to Git Lab.

\$ git push origin <branch name>

8. Check if the changes have been pushed successfully in GitLab.



9. Check all the changes made in the GitLab project.

\$git log

