USING CMD

**FOR 1ST TIME – WHEN CLONING THE REPO INTO PC USE:**

open **cmd** with admin privileges **cd C:\GITLAB** //mkdir when making new directory

or **shift+right click – open in cmd** whileinside **C:\GITLAB**

**git config --global user.name "debajyotim"**

**git config --global user.email** [**debajyotim@cdac.in**](mailto:debajyotim@cdac.in)

**git clone …**

**git clone** [**http://hcdcqms.pune.cdac.in/iot/Touch\_Panel.git**](http://hcdcqms.pune.cdac.in/iot/Touch_Panel.git)

**//git clone git@hcdcqms.pune.cdac.in:hcdc-iot/InteractiveExhibits.git**

**//git clone git@hcdcqms.pune.cdac.in:342728/ZeroConfigOTA.git**

**//git clone git@hcdcqms.pune.cdac.in:342728/DEVICEHIVE\_HTTP\_JSON.git**

**cd Touch\_Panel // InteractiveExhibits //ZeroConfigOTA**

**touch README.md** // edit the file as req.

**mkdir CodeFolder**

//currently in **master** branch, copy the code files as req. in this folder, edit them

**git status**

**Common steps once Repo has been cloned ..**

**git pull origin master // to sync with latest repo**

**git add \***

**git commit -m “Initial Commit etc.”**

**git push -u origin master**

**git branch –a** // to show all branches along with current branch

//git branch // shows current branch only

**git checkout -b dev** // make a new branch using –b

//when changing to a pre-existing branch –b not required

**//git checkout master**

//make changes to code in the **dev** branch,

//changes made here will **not** be **reflected** in **master** branch

**git status**

**git add \***

**git commit -m “Changes in Dev”**

**git push -u origin dev**

**rm filename // rm –rf FolderName**

**//** **git branch --unset-upstream** // "Your branch is based on 'origin/master', but the upstream is gone"

**git remote -v**

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open **cmd** with admin privileges

**cd C:\GITLAB** //mkdir when making new directory

**git clone git@hcdcqms.pune.cdac.in:iot/OTA.git**

**git config --global user.name "debajyotim"**

**git config --global user.email "debajyotim@cdac.in"**

**cd OTA**

/\*\* make changes to code in OTA folder as required \*\*/

**git status** // check if any changes have been made before uploading

**git branch –a** // check if current branch is desired branch or not,

**git checkout branch\_name //** change branch if req.

[to create new branch **git chechout -b new\_branch\_name**]

**git add \***

**git commit -m "Commit Msg"**

**git push -u origin branch\_name //enter user name & password**

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USING MINGW64

Goto to C:\msys32

Run **mingw64.exe** as Admin

type **cd C:/GITLAB**

do a git clone of a git repository

**git clone git@hcdcqms.pune.cdac.in:iot/OTA.git**

[The SSH or HTTPS link to the desired repo has to be provide. Here OTA is a repo/folder present in gitlab]

**git config --global user.name "debajyotim"**

**git config --global user.email "debajyotim@cdac.in"**

**cd OTA**

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Edit config file if req. /\*editing the config file is a one-time work\*/

[type **cd C:/GITLAB/OTA** if not already there]

**ls –a**

**vim ./.git/config** /\*editing the config file is a one-time work\*/

press i to get into insert mode, in the url filed write the HTTPS url

[go to http://hcdcqms.pune.cdac.in/iot/OTA to find the HTTPS url]

**url = http://hcdcqms.pune.cdac.in/iot/OTA.git**

save and exit

**esc**

**:wq**

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/\*\*make changes in the code present in OTA folder before going to next steps\*\*/

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Uploading files to current branch

**git status** // check if any changes have been made before uploading

**git branch –a** // check if current branch is desired branch or not,

**git checkout branch\_name //** change branch if req.

[to create new branch **git chechout -b new\_branch\_name**]

**git add \***

**git commit -m "Commit Msg"**

**git push -u origin branch\_name**

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Misc commands :

remove file **rm NAME-OF-FILE**

remove diectory **rm -rf NAME-OF-DIRECTORY**

view history **history**

admin priv. **sudo**

cur. dir. **pwd**

new directory **mkdir**

enter the dir. **cd project\_or\_file\_name**

go back one dir. **cd ../**

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Steps for new repo:

Goto to C:\msys32

Run **mingw64.exe** as Admin

type **cd C:/GITLAB**

**git config --global user.name "debajyotim"**

**git config --global user.email "debajyotim@cdac.in"**

**git init // create blank file structure**

**git remote add origin <urlSSH>**

/\* make changes to code \*/

**git status**

**git add \***

**git commit -m "Commit Msg"**

**git push -u origin master**

**or**

**git checkout –b new\_branch\_name**

**git add \***

**git commit -m "Commit Msg"**

**git push -u origin new\_branch\_name**

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