

# HBEF Developer Cheatsheet

## General notes

Keep a project log.

## Tutorial to get started with vim

Lesson 1 - <https://www.youtube.com/watch?v=SI8TeVMX8pk&t=1s>

(Do Lessons 1 - 4.)

Press CTRL + f to go forward a page.

Press CTRL + b to backward a page.

## Connecting to Virtual Machine

Log into hbef folder

Open terminal.

`ssh hbef@45.55.47.104`

Enter `password`.

Navigate to restricted\_QAQC folder

`cd shiny/restricted_QAQC`

Additional notes:

Can use command `ls` to see what's in folder.

Can use command `cd` to change into a different folder. (Use `cd ..` to go one folder up.)

If you ever need to restart app, use `sudo systemctl restart shiny-server`

## git

See *latest VersionControlWorkflow\_GitHubMap.pdf* file for version control system setup.

Check git status

`git status`

If have unsaved changes, commit them

`git add .`

`git commit -m "[message for commit here]"`

To push your latest updates to server

`git push`

To pull latest version on server (in case someone's made changes):

`git pull`

## MariaDB Database (on local computer)

Start database server in bash terminal before working on local computer:

`mysql.server start`

This is necessary to work on local machine.

## MySQL Database (on virtual machine)

To log in, use `mysql -u root -p`

Enter `password`.

Always enter the command `USE hbeif;` first.

To exit, just write `exit`

See MySQL cheatsheets for commands.

## Transferring Files

1. Log into hbeif folder through sftp

Open terminal.

`sftp hbeif@45.55.47.104`

Enter `password`.

2. With `cd`, navigate to the location where you want to transfer files.

3. To place data in the folder

`put -r [name of directory]/`

4. To exit, just write `exit`

## Website

To see any changes, go to [hbeif.streampulse.org:3838](http://hbeif.streampulse.org:3838)

Click on restricted\_QAQC, log in with `username` and `password`.

Test to see if your changes worked.

## Checking Error Logs from Website

1. Log into hbeif folder

Open terminal.

`ssh hbeif@45.5.47.104`

Enter `password`.

Use `cd /var/log/shiny-server`, then `ls` to see latest log.

Use `sudo vim` [full file name] to view file.

Can type SHIFT + G to scroll to the end of the file.

Use `:q` to quit the file.

Additional Notes:

If you want to learn how to navigate through these files faster, learn how to use vim text editor.

(helpful to have your git UserID and token `password` saved for whenever you make changes)