**Total process involved in changing a single or multiple files in Production server**

1. **GitHub Repo** will have the current version of the code that is in production.
2. Copy the code into DMC3 Local Repo using Git clone.

* Clone Git into /var/www/globalclassroom4\_clean from GITHUB as the ubuntu user.
* Make a symbolic link from /usr/local/bin/gc4update to /var/www/globalclassroom4\_clean/gcupdate.
* Change directory to /var/www, and make sure that you are not in /var/www/globalclassroom4
* Run gc4update. /var/www/globalclassroom4 will automatically build and deploy.
* Fix /var/www/globalclassroom4/databases.yml and /var/www/globalclassroom4/lib/model/gcr\_model/gcr.class.php

Test to make sure this local copy works correctly. Use DMC3-win machine to access globalclassroom4 in dmc3 and test that there are no errors.  
  
Save a copy of the tested globalclassroom4 folder into globalclassroom4\_base<timestamp> folder. (e.g. globalclassroom4\_base08Aug2015). This is to be used in step 5 to create the transfer zip file.

1. From DMC3 Local Repo, the code is copied into DMC2 for Development purpose and we can do all changes in the code and DMC2 may have a number of different copies.

Create a new repo at DMC3 copying globalclassroom4 (tested in step 2) and use that to clone into DMC2 machine(s)

1. From DMC2, the final clean code (latest version) is sent to DMC1 for testing purpose.
2. Once the testing is success, the code will be copied to DMC3 Local Repo where the current version and latest base version is compared and Transfer Directory is created based on our script.
3. Transfer Directory is pushed into the GitHub Repo.

STAGING SERVER

DEVELOPMENT SERVER

DMC2

DMC1 (Clean code for testing)

GIT HUB

Local repo

Github Clone

DMC3