

Example [Github](#) and [Git](#) Update Steps for z390 Repository [Don Higgins](#) May 28, 2021

[Diagram of Github and Git version control](#) [z390 Projects](#) [z390 Issues](#) [References](#)

| Command   | Description  |
|---|--|
| <a href="#">FORK</a><br>1. Go to <a href="#">z390 Repository</a> .<br>2. Click on FORK  | Copy z390 Github repository to your individual z390 github repository. You will need to register with administrator if you have not done so before.  |
| <a href="#">GIT CLONE</a> <URL><br>1. Go to your individual repository.<br>2. Click on “Code” to copy URL.<br>3. Start command line at directory where you want local repository.<br>4. Issue GIT CLONE <URL> | Issue GIT CLONE <URL> command to download your z390 repository to your PC. You will need to download and install GIT command line app if you have not done so before.                                  |
| <a href="#">GIT BRANCH</a> -C <branch name>   | Create new branch for updates  |
| <a href="#">GIT SWITCH</a> <branch name>  | Switch to new branch   |
| <a href="#">GIT STATUS</a>  | Verify branch and status of commits.   |
| Make changes to directories and files in current branch directory via cut, copy, and paste.   | Add, delete, or change directories and files in the current branch directory. Be aware that Linux is case sensitive and the z390 standard is that all directory names are lower case.                  |
| <a href="#">GIT STATUS</a> again to see file changes  | The files listed as new, changed, or removed can be copied from command line display using select, edit, copy, and then pasted into notepad and reformatted into GIT ADD and GIT RM commands.          |
| <a href="#">GIT ADD</a> <file spec> to add new or changed directories or files  | Be aware that Windows file management is not case sensitive, but Linux is case sensitive. The z390 standard is to make all directories lower case. You can add entire directory of files with one add. |
| <a href="#">GIT RM</a> <file spec> to delete entire directory or file   | You can remove entire directory of files or single file.   |
| <a href="#">GIT STATUS</a> again until no file differences  | After all added, changed, or deleted files have been added or removed, then proceed to commit.   |
| <a href="#">GIT COMMIT</a> -m “summary description of changes for this commit”  | The commit summary descriptions are kept and are visible to all reviewers of future PUSH and PULL requests.  |
| <a href="#">GIT PUSH</a> –set-upstream-origin <branch name>   | This command pushes all commits in local repository to your individual Github z390 repository.   |
| <a href="#">PULL</a><br>1. Go to your individual z390 repository.<br>2. Select new pull and select branch.<br>3. Enter summary comment about pull.<br>4. Select submit new pull,                              | This request will be reviewed and approved before committed changes are merged into z390 main repository.  |

- **References for Github and Git**
  - [Pro Git Book](#)
  - [Github Handbook](#)
  - [Github Training Videos](#)
  - [Github Training Manual](#)
  - [Download Git](#)
- **References for z390 Github Repository**
  - [Diagram of Github and Git version control](#)
  - [z390 Projects](#)
  - [z390 Issues](#)
  - [Example Github and Git Update Steps for z390 Repository](#)