



CLIENT

SERVER

GitHub

GitHub Desktop

LOCAL HOST

Repository

Git

Source File

Source File

.git

Git Data

Client Side

GitHub Desktop will send commands to Git and display the results in the GitHub Desktop GUI. GitHub Desktop also handles login credentials sending and receiving data to and from GitHub. You can create new repositories, branches, and forks right from within the application.

REMOTE HOST

Object Store

OS

Git Objects

Git Objects

Git Objects

Server Side

GitHub services will check your login credentials and if valid, will proceed to update your repositories storage structure along with the metadata for tracking user actions. If you view your project on GitHub the pages are generated from this data upon the http request.

GitHub Desktop

Green = New File

Yellow = Modified File

Red = Deleted File