VCS ⟶ Distributed & Central

Git

Basic	· Config	Features

Basic:
- add
- commit
- push.
· init

Config:
Repo Level → .git

System → --global
  - User Name
  - Email
  - Remote URL

· .git

Features:
· Work in Multiple things
· git Blit → Secure
  ↘ repo1\ .git\
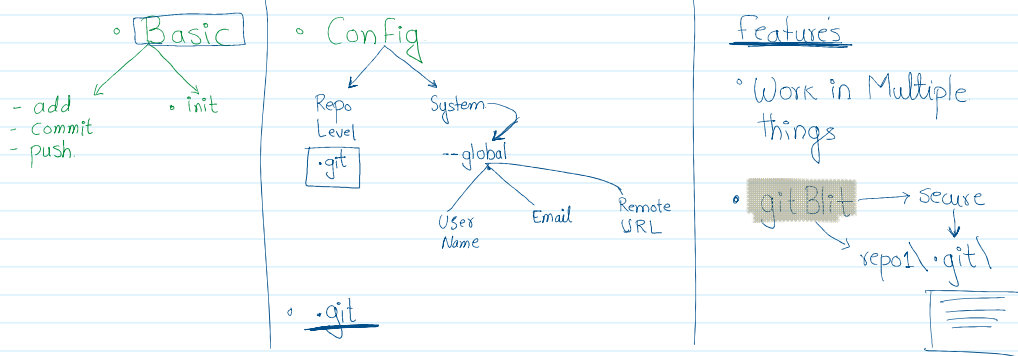
· git folder

$ git init ⟶ .git
  ↳ All Information required VCS.
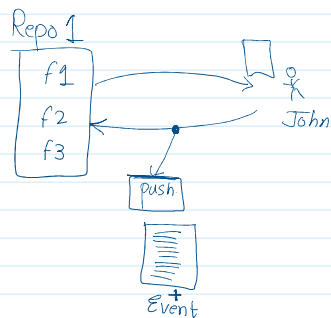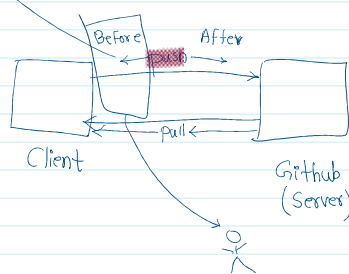 ↳ is a database of your Repo.

folders

hooks   (Samples)
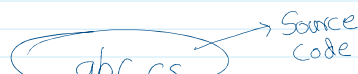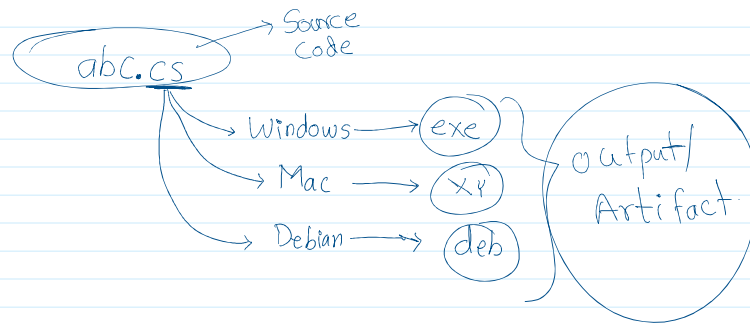· Event based examples written in shell scripting/perl/python.

Before | push | After

Client ← pull ← Github (Server)

Repo 1
f1
f2
f3
John
push
+ Event

· By default not executable.

info :-

exclude File for ignored Patterns

abc.cs ⟶ Source Code

abc.cs → Source Code

abc.cs → Windows → exe
abc.cs → Mac → xp
abc.cs → Debian → deb

Output/Artifact

③ Logs ③.1 (HEAD)
  ○ git Log → Commit history.

3·2 heads   3·3 remotes
                               → UK
                               → US
Project (Repo)   → UAE
  ↳ •git   → origin
      ↳ Logs   ↳ master.
          ↳ refs
              → remotes
                  → origin
                      → Branch (master)
                          B2
                          B3
                          B4
      S2
      S3

Pointers to commit objects
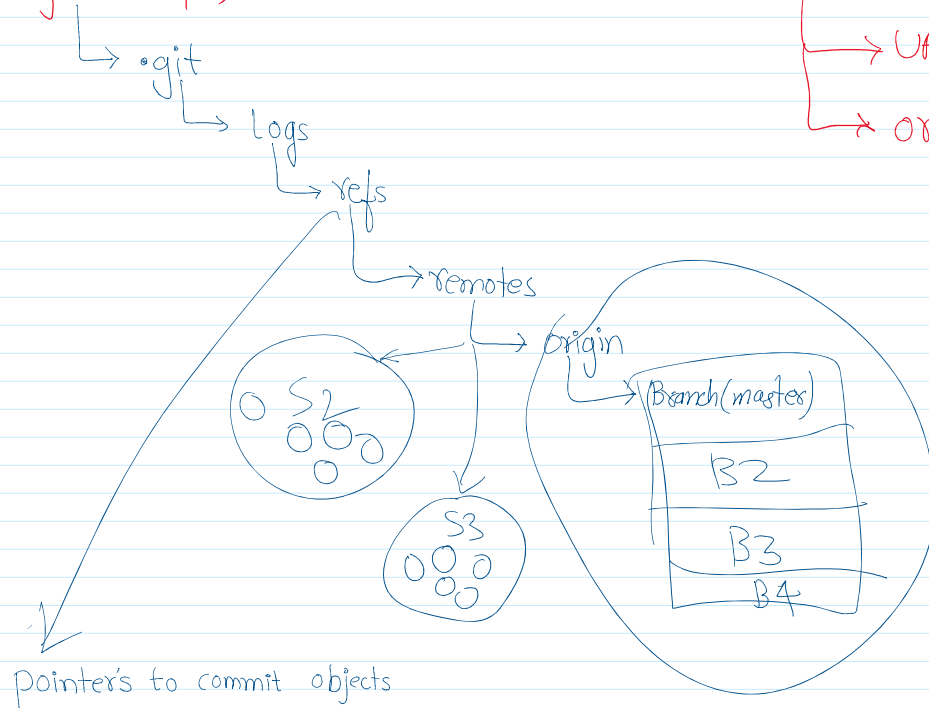
•git
  ↳ HEAD = Current Branch.

    Config = Configuration Option

    index = Staging Area.

        Branch

master   origin/master

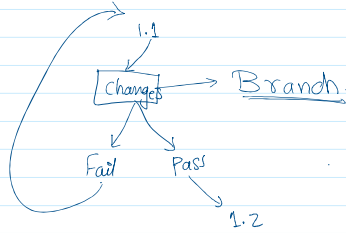master   origin/master
Local   Remote

P1 (Iaa(-TF) V1.1

e1   e2   e3
(J)   (You)   (S)

V1.2 ←

1.1

Changes → Branch

Fail   Pass
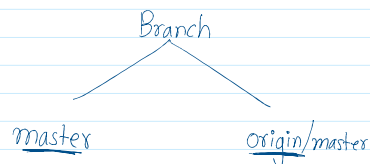
1.2

Local:
  List Branches:
    a. Local Branch: $ git branch
    b. Remote Branch: $ git branch -r
    c. All Branches: $ git branch -a
  Create Branch
       $ git checkout -b b1

  Switch Branch:
       $ git checkout master

Git

Local   Remote

Working   Staged   Local   RR
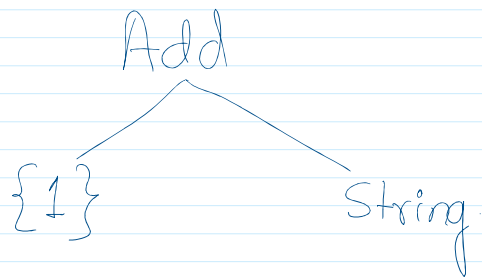   Rep

(f14)
Urgently.

(F2) Working

add

POP /Apply

B
A

List

Stashing.

$ git stash list

Add

{1}   String

git stash pop stash@{0}

Only Specific Stash
git stash show stash@{0}

Only Specific Stash with Detail
git stash show stash@{0} --patch

Delete all Stash Records
$ git stash clear

Delete Specific Stash Record
git stash drop stash@{1}

Local

Working   Stagging   Local
                                   Repo

(t1)   (t1)

(t9)

                              hot-fix
                         ⟵   ⟶

hot-fix
patches

b1

t1

Stash

LR   RR

master

origin/
master

b1

b2

b1

LR   upstream.

Downstream   RR

git push --set-upstream origin b2

PM

DS   Minister   minister ← Up stream

Public   Public