## Git/406

What is it? - a code repository to

Store your code

> crected by Linus Torvelds, April hous

> replaces Ditherper to manage Cinux G.

> cross platform

Git: the access t approprias to access
the repository

Version (ontrol System (UCS):

- a Way to manage files of

directories

- track changes over time

- recall previous versions

- Source control is a subset of

VCS

Distributed Vesion (control (DVC)

- No nerel to connect to certal sever

- can work without internet conect.

- No single Failure point

- developes on work independly

Repository (Repus)

- Used to organize a single project
- can contain foldors, files, images,
Violos, spredsleets, + any other
data constructs

Braching - When working on project there
Will be lots of diffuer fectures

t ideas in progress t some are
seedy to go t some are not.

Braching exists to help Manage

worldflow

Main

- the main starting brack
- this has the latest working connit
- normally this is not chaged
directly

- Bracking is a concept in get, the ative Githlub Flow is Ocsed upon it - Anything in the main brach, is always deployable - Because of this, it's extremely important that your New Brack is created off Main When Working on a feature of a fix. Commits - Once your New Grack off Main has been areated, it is fine to Stat making chages Wherve you add, edit, or delete a file, you are noting commits. Weeks freel of your progress while you work - Each connit has a associated connit ressage - Write clar Consist Committee Messages

Pull Requests initiate discussion

about you comits

- Ca be done when?

3 Shore something.

7 Study of Mered help

7 Neview your works

- great for collaboration or help

Muge the play

- Once your pull requests has been

reviewed to the Grack passes your

tests, you can deploy your changes

to verty then in production

- If your brack cases issues, you can

roll it beals by deploying the

existing main brack into production

- This is seachable to find out why

things have been done

Visual Studio & Coding Stadards

Refactoring: Making code less complex out

setaining same functionality

Intellisecz: code completion aid