**Git Config**

**git config - g**et and set configuration variables that control all aspects of how Git looks and operates.

Stored in 3 different places (each level overrides values in the previous level):

System level (**/etc/gitconfig** file): applies to every user on the system and their repos.

Command flag: **--system**

Global level (**~/.gitconfig**or **~/.config/git/config** file): applies to you specifically

Command flag: **--global**

Local level (**.git/config**): applies to whatever repo you’re currently using

Command flag (this is default): **--local**

**Syntax**

The file consists of sections and variables. A section begins with the name of the section in square brackets and continues until the next section begins. Section names are case-insensitive. Only alphanumeric characters, - and . are allowed in section names. Each variable must belong to some section, which means that there must be a section header before the first setting of a variable.

The syntax is fairly flexible and permissive; whitespaces are mostly ignored. The **#** and **;** characters begin comments to the end of line, blank lines are ignored.

The variable names are case-insensitive, allow only alphanumeric characters and -, and must start with an alphabetic character. Some variables may appear multiple times; we say then that the variable is multivalued.

Example file:

# Core variables ([core] is a “section” with the variable filemode)

[core]

filemode = false

# Our diff algorithm

[diff]

external = /usr/local/bin/diff-wrapper

#sub section variables for the branch “devel”

[branch “devel”]

remote = origin

merge = refs/heads/devel

[branch “other”]

…

You can view all of your settings and where they are coming from using:

git config --list

git config --list --show-origin

Your Identity (information used when committing):

git config --global user.name "John Doe"

git config --global user.email johndoe@example.com