Git With It
Learning Git

http://github.com/sl4mmy/presentations/tree/master

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Git (http://git-scm.com/) is really a database filesystem

NOT **(necessarily) a distributed version control system**

Although that **IS** the primary use

I emphasize this because...

Git is NOT Subversion++
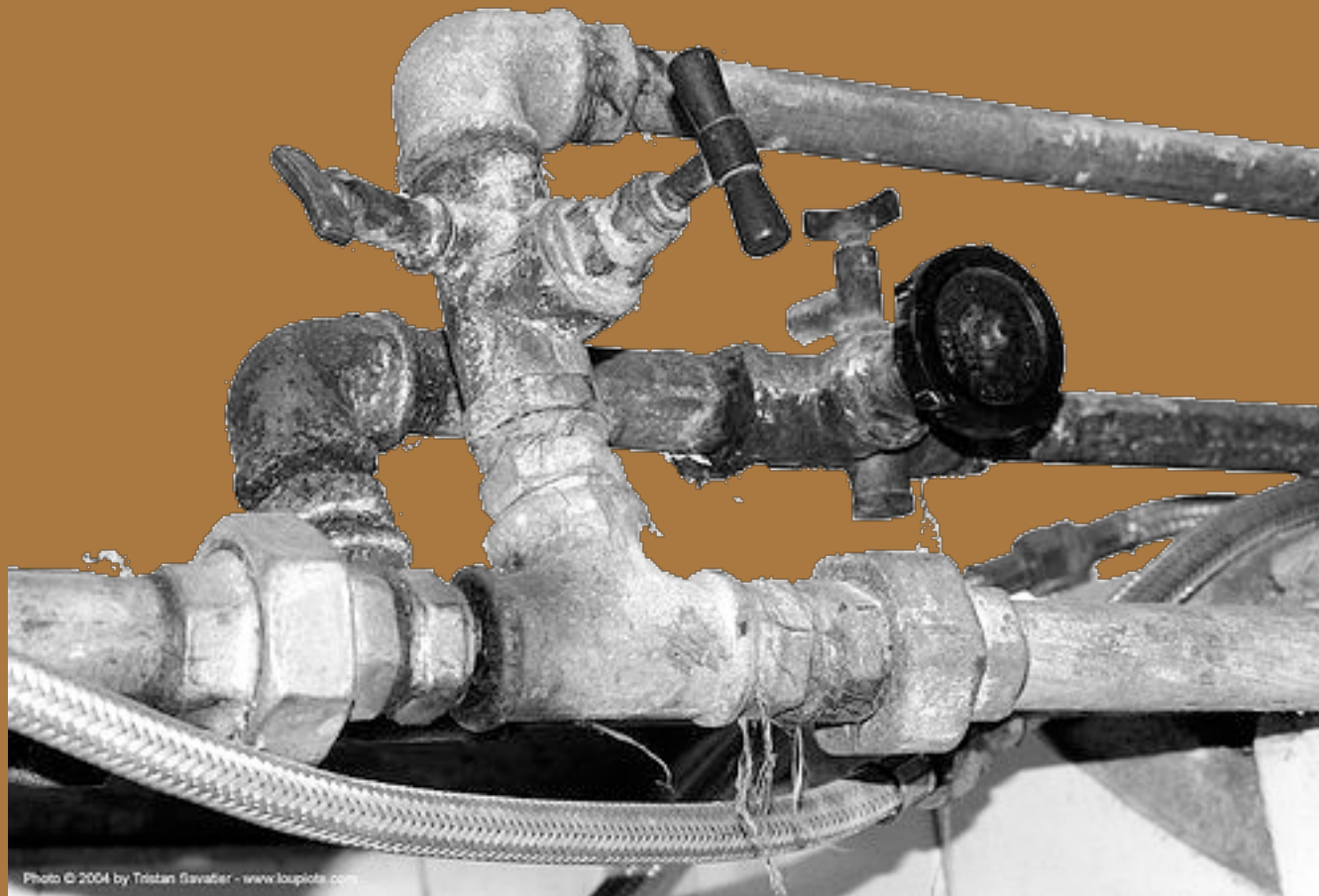
Tilt your head and squint, they look similar...

But don't be fooled!

Forget what you know, and let's start from scratch

Git is a suite of scripts and utilities

Loosely categorized into two groups

Plumbing

(http://is.gd/udoh)

n.: low-level Git utilities upon which other tools are built

Porcelain

n.: high-level Git utilities suitable for day-to-day use by humans

```
# http://is.gd/udi6
$ git help # When in doubt
...
$ git help <command>
...
```

```
# http://is.gd/udj2
$ git config --global user.name \
  'Your Name'
$ git config --global user.email \
  'email@ad.dr'
```

```
$ git config --global -l # List
user.name=Your Name
user.email=email@ad.dr
```

```
$ cat ~/.gitconfig # .ini format
[user]
  name = Your Name
  email = email@ad.dr
```

```
$ mkdir proj
$ cd proj
$ ls -CFa # Nothing up my sleeves
./        ../
```

```
# http://is.gd/udjH
$ git init # Create new repository
Initialized empty Git repository
in /path/to/proj/.git/
$ ls -CFa
./          ../         .git/
```

Voila!

The .git directory IS the repository

```
$ ls -CFa .git/ # It's a normal dir
./  HEAD   config  hooks/  objects/
../ branches/ description info/
refs/
```

Git tracks changes to content trees