

# Git With It

## Learning Git

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

By Kent R. Spillner <[kspillner@acm.org](mailto:kspillner@acm.org)>  
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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 help # When in doubt
```

```
...
```

```
$ git help <command>
```

```
...
```

```
$ 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
```

```
./ ..
```

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

# Voilà!



**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**