An

Introduction To

GIT
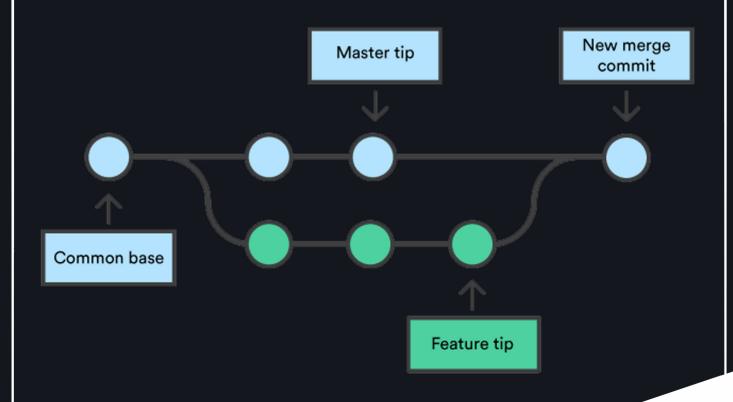
What GIT Official Site says:

"Git is a free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency."

Features of **GIT**:

- **Branching and Merging**
- **Small and Fast**
- **Distributed**
- **Data Assurance**
- **Staging Area**
- **Free and Open Source**
- **GIT TRADEMARK POLICY**

Branching and Merging:

Git allows and encourages you to have multiple local branches that can be entirely independent of each other. The creation, merging, and deletion of those lines of development takes seconds.

Small and Fast:

Git is fast. With Git, nearly all operations are performed locally, giving it a huge speed advantage on centralized systems that constantly have to communicate with a server somewhere.

All of these times are in seconds.

Operation		Git	SVN	
Commit Files (A)	Add, commit and push 113 modified files (2164+, 2259-)	0.64	2.60	4x
Commit Images (B)	Add, commit and push a thousand 1 kB images	1.53	24.70	16x
Diff Current	Diff 187 changed files (1664+, 4859-) against last commit	0.25	1.09	4x
Diff Recent	Diff against 4 commits back (269 changed/3609+,6898-)	0.25	3.99	16x
Diff Tags	Diff two tags against each other (v1.9.1.0/v1.9.3.0)	1.17	83.57	71x
Log (50)	Log of the last 50 commits (19 kB of output)	0.01	0.38	31x
Log (All)	Log of all commits (26,056 commits – 9.4 MB of output)	0.52	169.20	325x
Log (File)	Log of the history of a single file (array.c – 483 revs)	0.60	82.84	138x
Update	Pull of Commit A scenario (113 files changed, 2164+, 2259-)	0.90	2.82	3x
Blame	Line annotation of a single file (array.c)	1.91	3.04	1x

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Let me know in the Comments below!