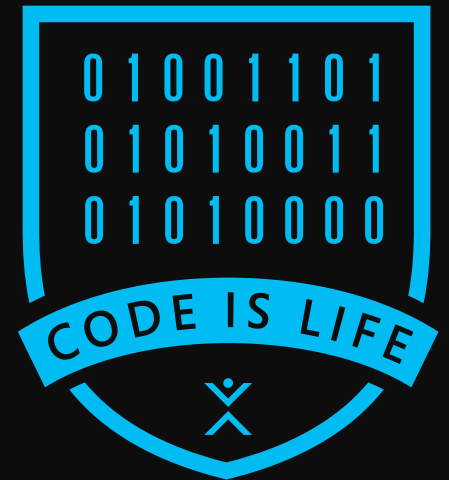


Git And GitHub

Ravikant Goswami
Dev Vaghani



Agenda:

- Version Control – What and Why ?
- Version Control tools
- Git & GitHub
- Git Features
- Git Operations & Commands



What is Version Control ?

0	1	1	0	0	0	1	1	0	1	1	0	1	1	1	1	0	1	1	0	0	1	0	0	0	1	1	0	0	1
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0	1	1	0	0	1	1	0	0	1	0	1	0	1	1	0	0	0	1	1	0	1	1	0	1	1	1	1	0	1

Version Control System



Version control is the management of changes to documents, computer programs, large websites, & other collection of information



These changes are usually termed as “versions”.

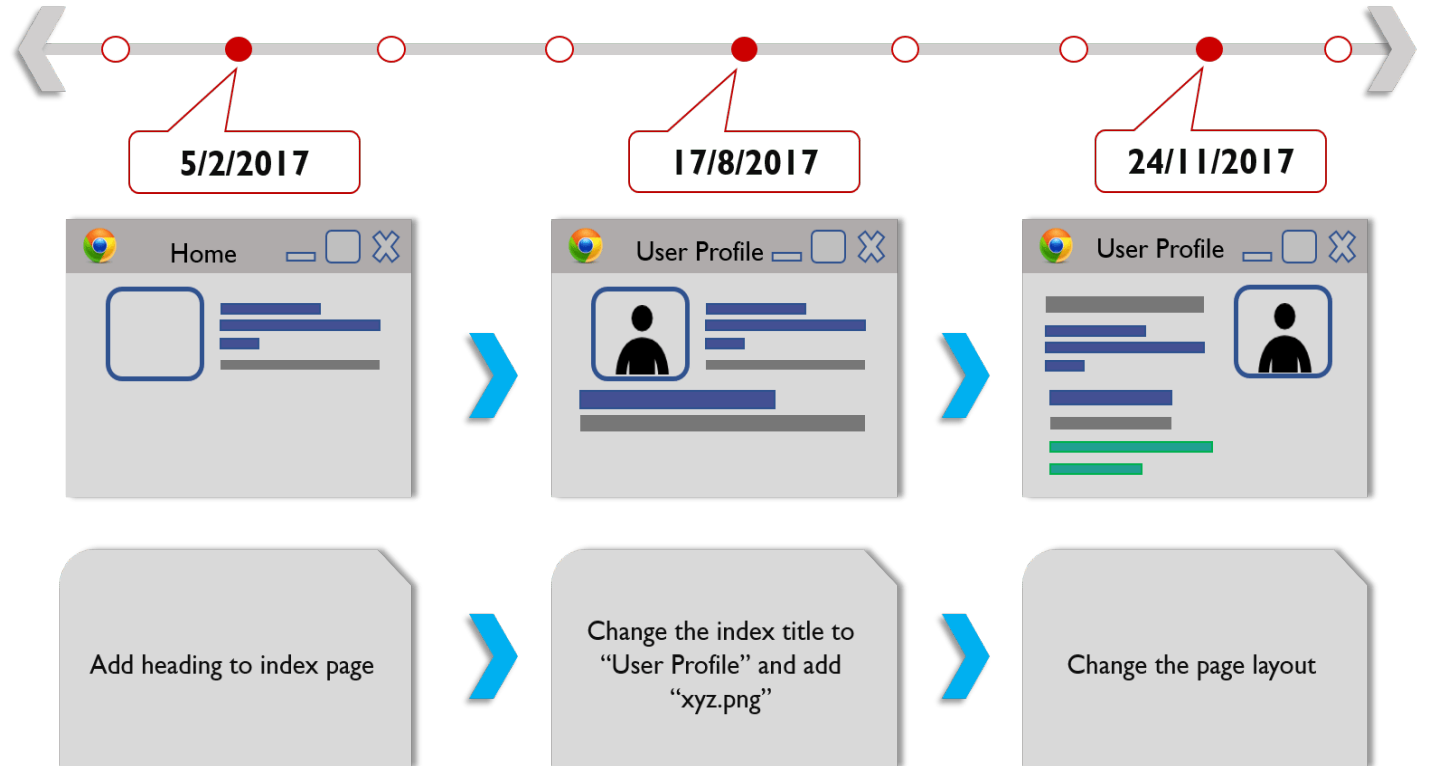
Version Control System



Time

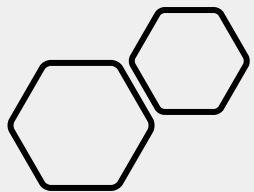


VCS





Why Version Control ?



Why ?



Collaboration

visualize everyone work properly



Backup

Backup is always available



Storing Versions

Snapshots of all versions are properly documented and stored.



Analyze

Track everyone work with proper description

Storing Versions

Snapshots of all versions
well documented & stored



Git repo
Version 1



Git repo
Version 2



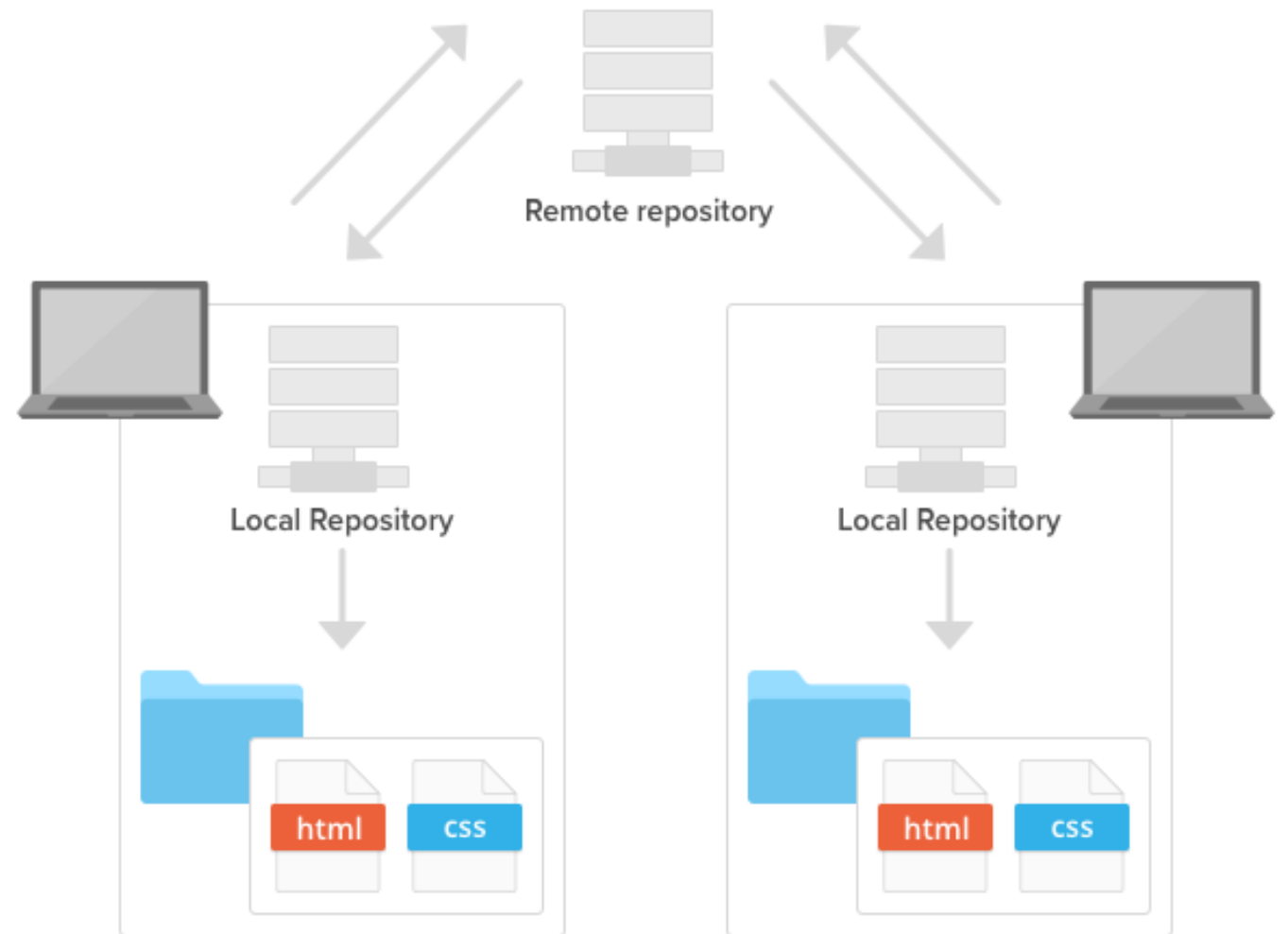
Git repo
Version 3



Git repo
Version 4

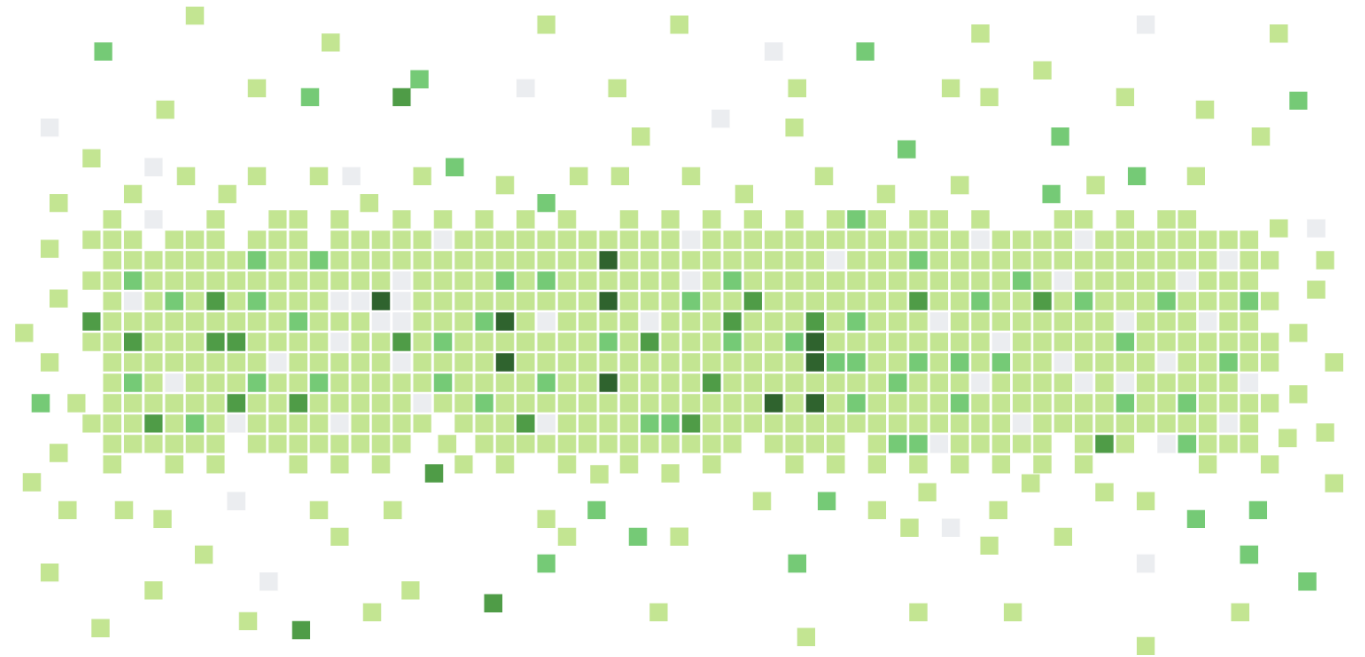
Backup

Ba



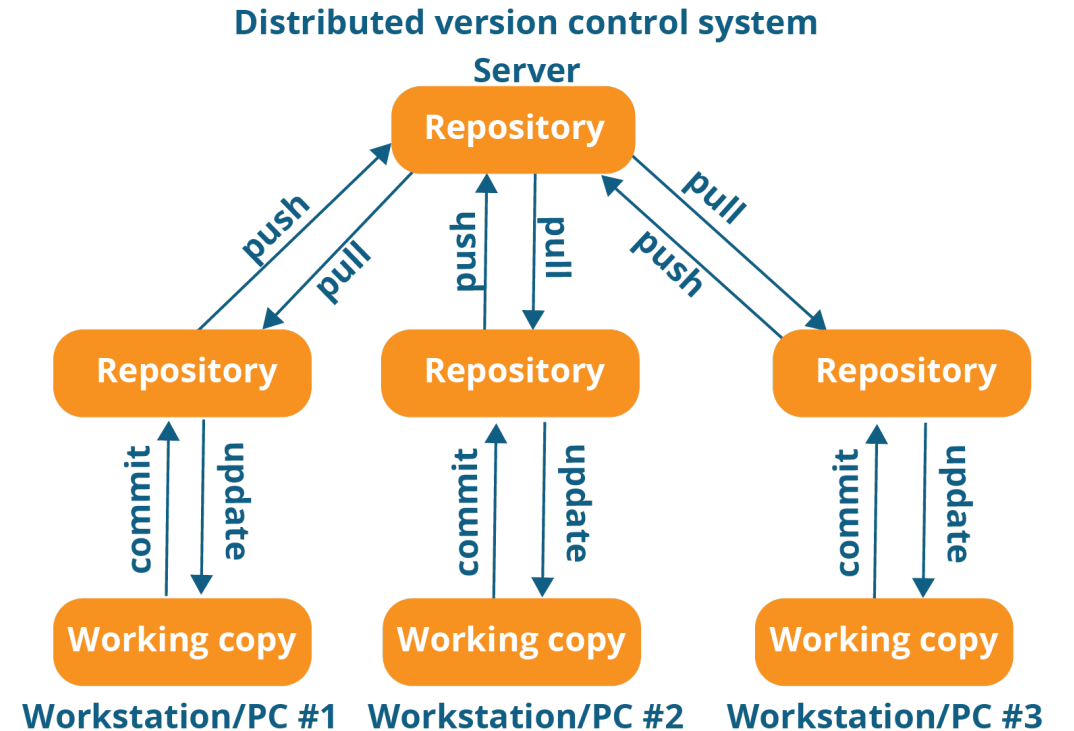
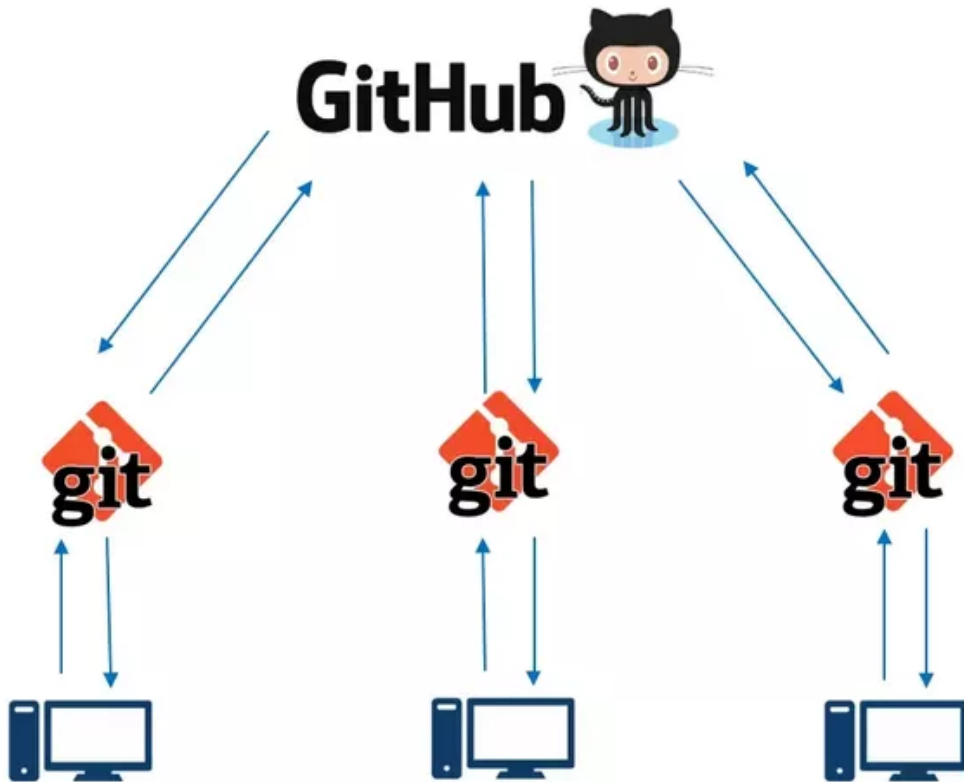
Analyze

- Track Changes done by team with proper description
- Track timeline when Changes done



Git & GitHub

Git & GitHub



Git & It`s Features



It's Open Source

Modify code according to your needs.



Secure

Every files and commits is checksummed & retrieved by it also.

Distributed



Distributed



Distributed

- Every user has a local copy of development history.
- Allows distributed development of code.





Speed

Fetching data from local repo is 100x faster than remote repo.



Branching

- It takes few seconds to create & merge branches.
- Master Branch always contains production code.

Non-linear history



Non-linear support

It support non-linear development



github
SOCIAL CODING

Text layout (without bullet points)

Main topic: Segoe UI Semilight, size 28pt

Segoe UI, size 20pt for second level

Segoe UI, size 16pt for third level

Demo

Speaker name

	1	1	0	0	0	1	0	0	1	1	0	1	0	1	1	0	1	1	0	0	1	0	0	1	0	0	1
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0	1	1	0	0	1	1	0	0	1	0	1	0	1	1	0	0	0	1	1	0	1	1	1	1	0	1	1