

# Distributed Version Control Systems



"We shape our tools and they in turn shape us"  
-Marshall McLuhan, 1964



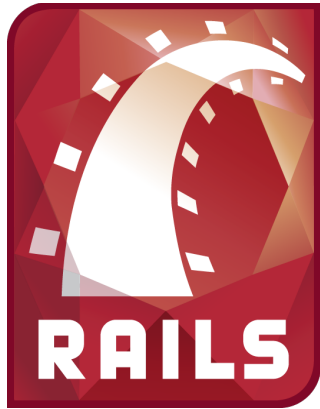
# Three Years Ago



# Now



# Projects using DVCS



# Centralized Version Control System

Server has all history

Branching -  
big and dangerous

Small commits  
in IDE

Surprisingly bad  
at merging

Master  
Repository

```
graph TD; MR[Master Repository] --- C1[Client]; MR --- C2[Client]; MR --- C3[Client]; MR --- C4[Client];
```

Client

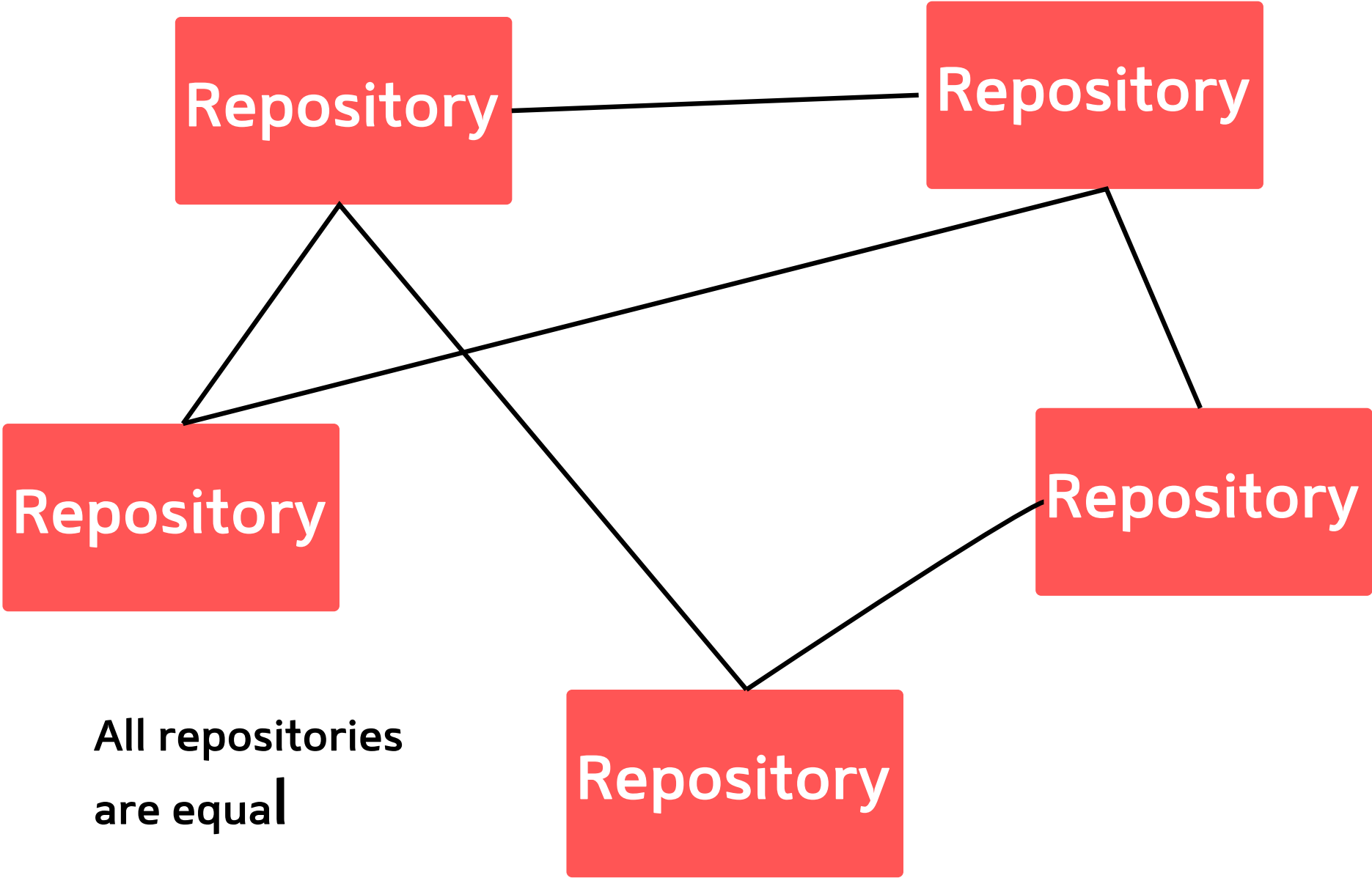
Client

Client

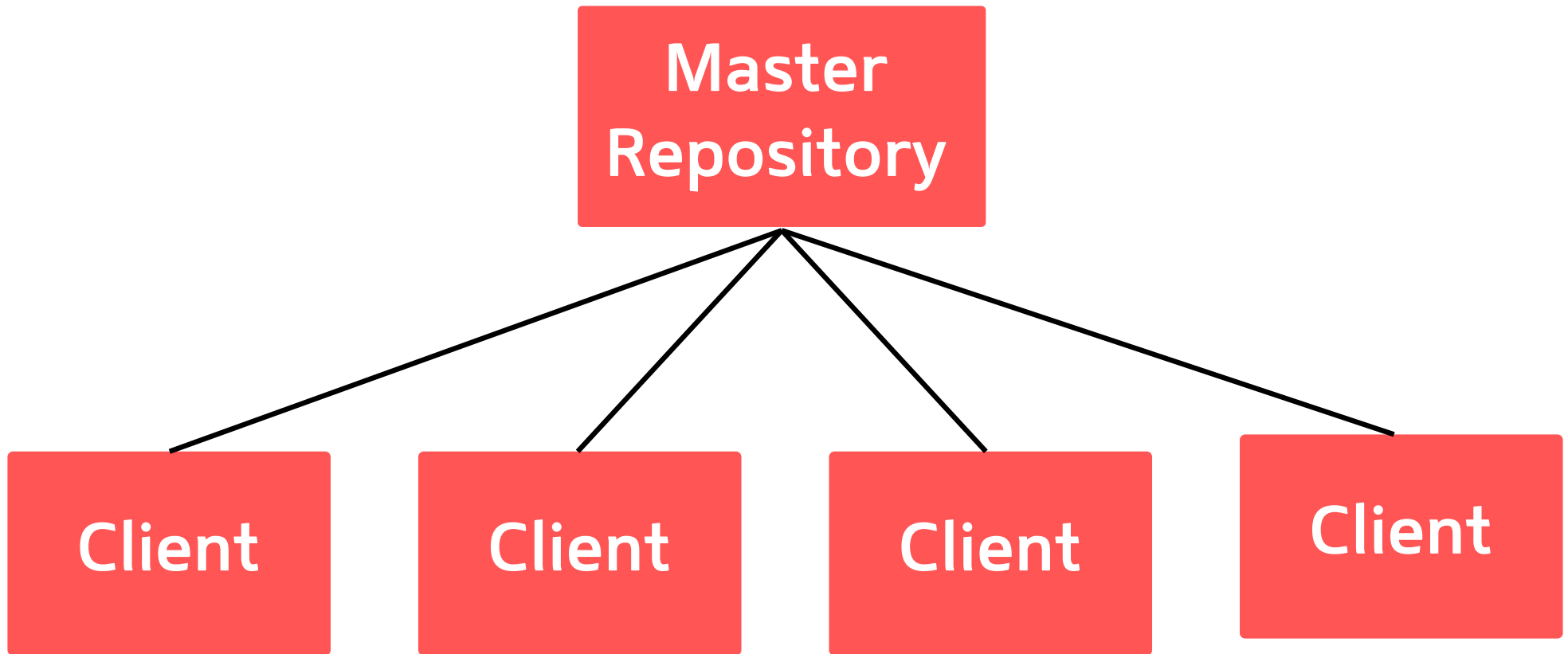
Client

Clients has one version and own changes

# Decentralized Version Control System



# Centralized by Designation



**One master repository, base for CI etc.**

# Git File Workflow

