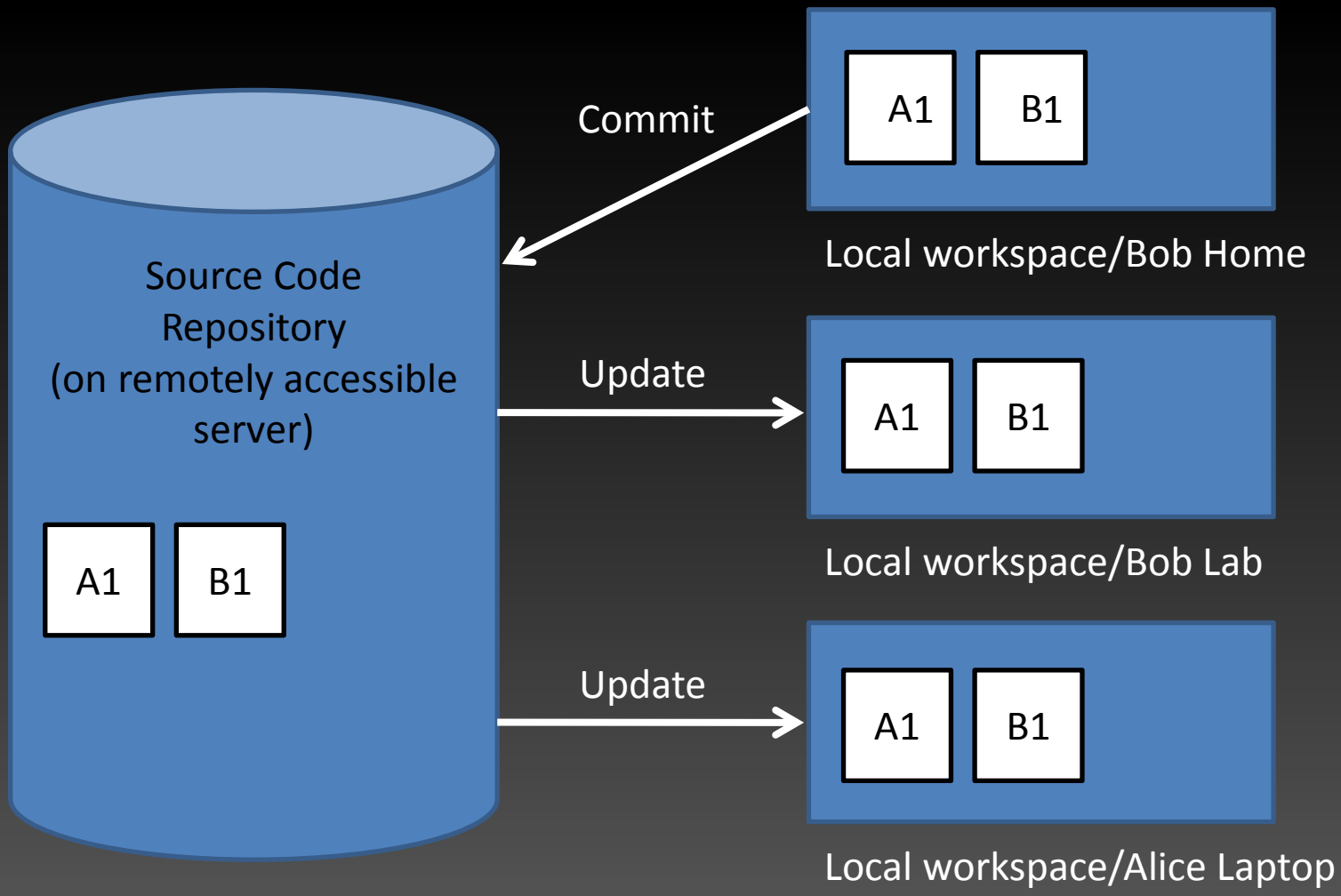
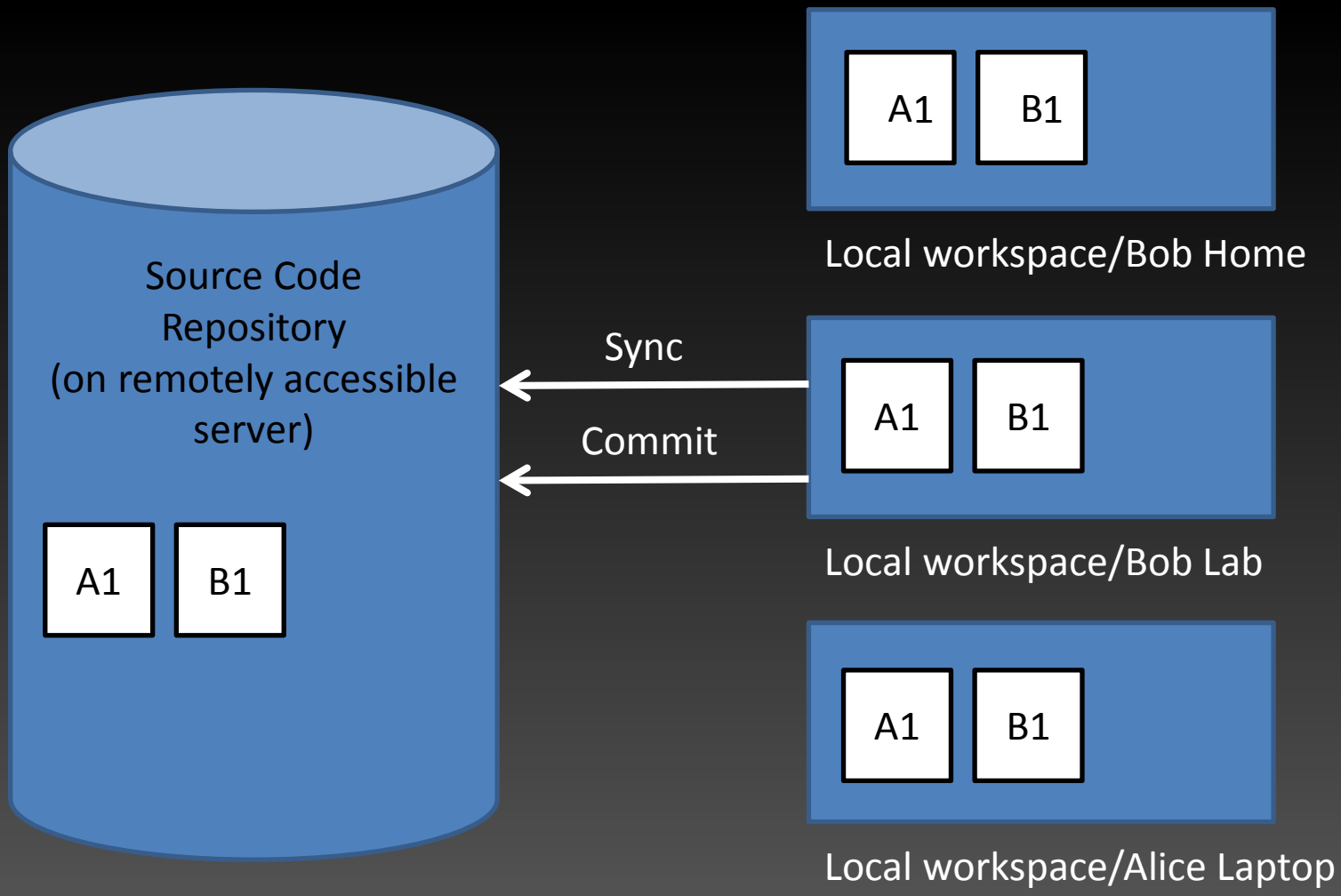
Source Code Control

- Solves 3 problems:
  - Version control
  - Concurrent modifications
  - Distributed development

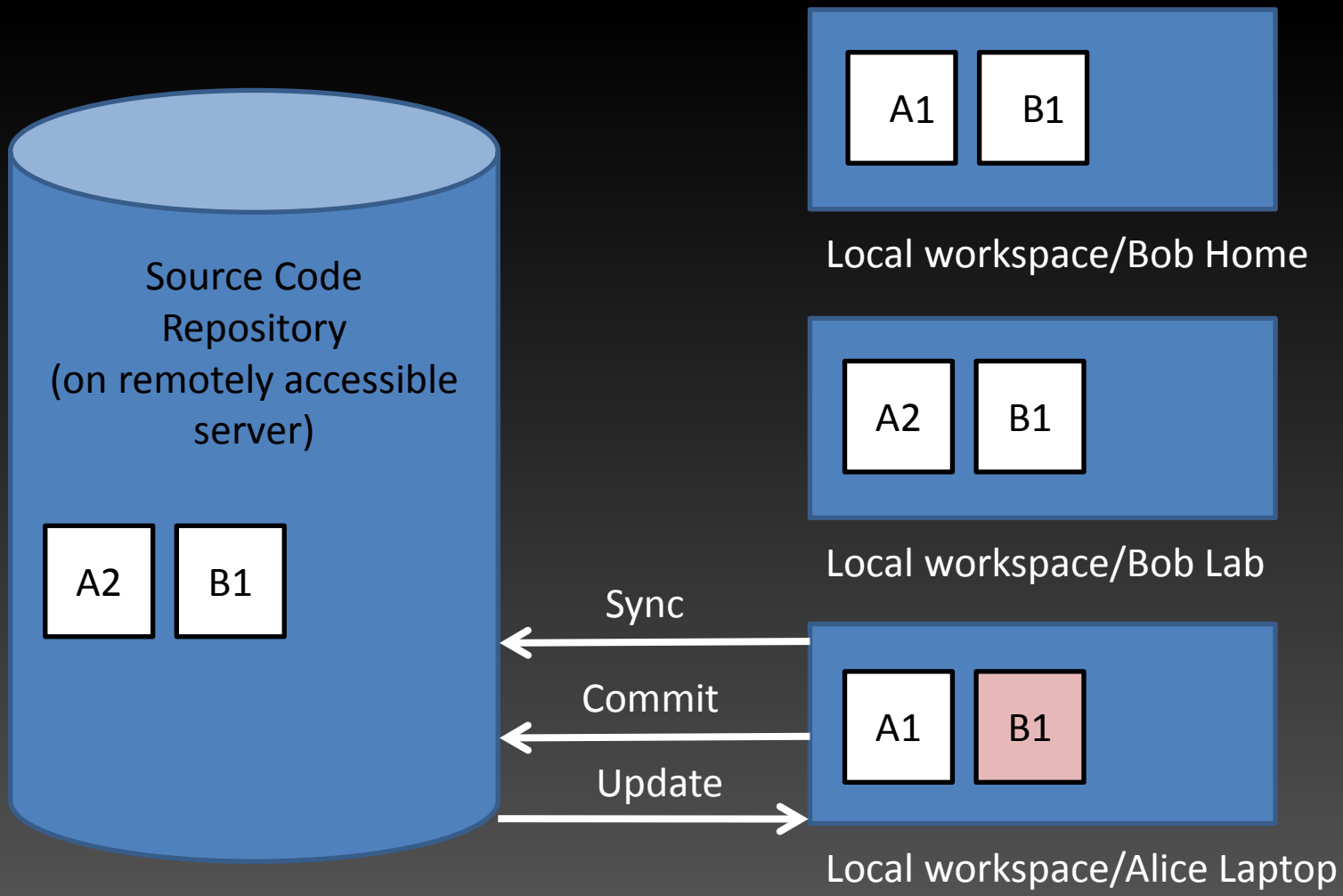
CVS In Action



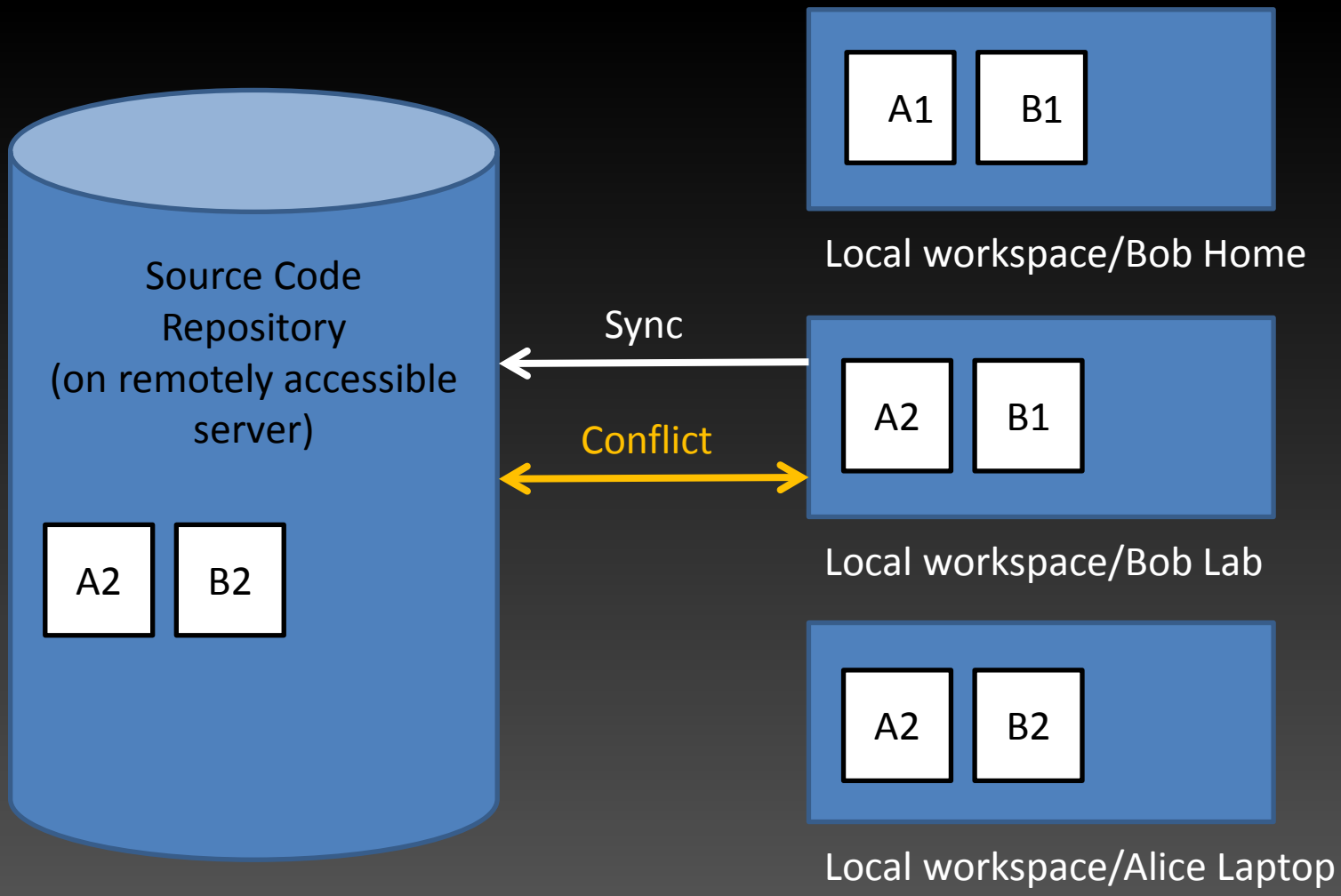
CVS In Action



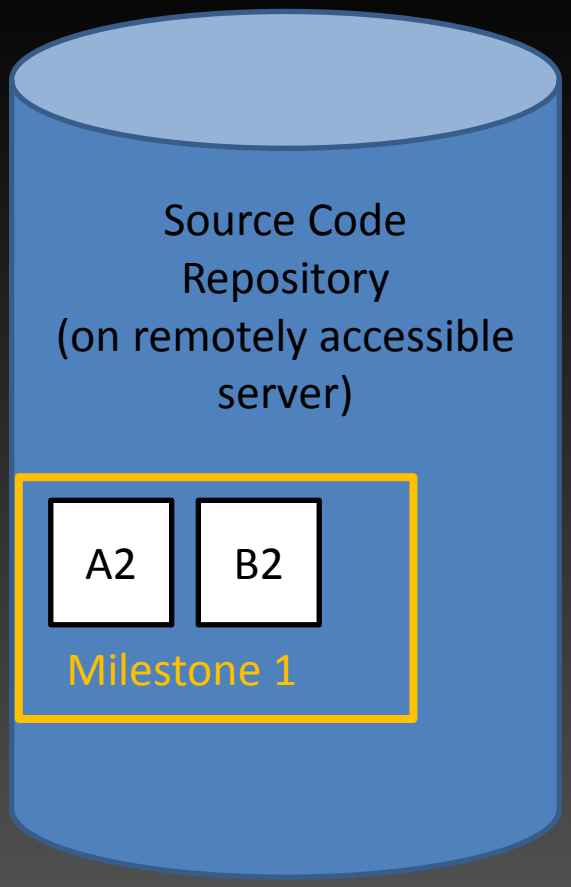
CVS In Action

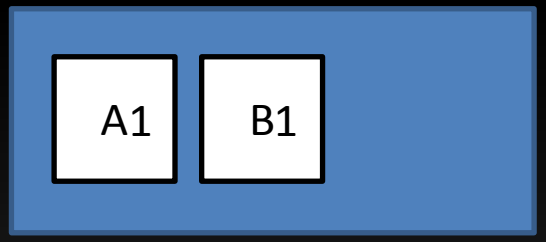


CVS In Action

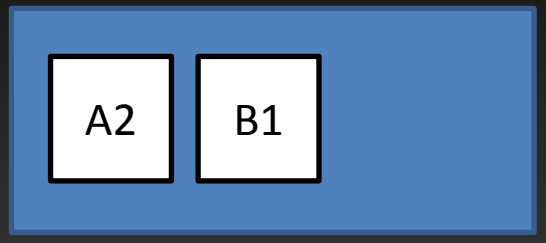


Tagging

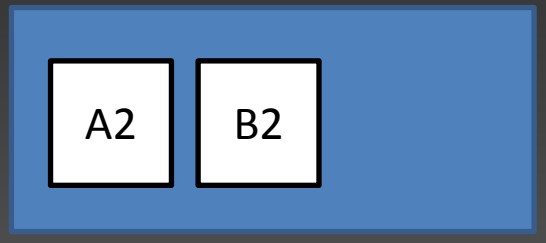




Local workspace/Bob Home



Local workspace/Bob Lab

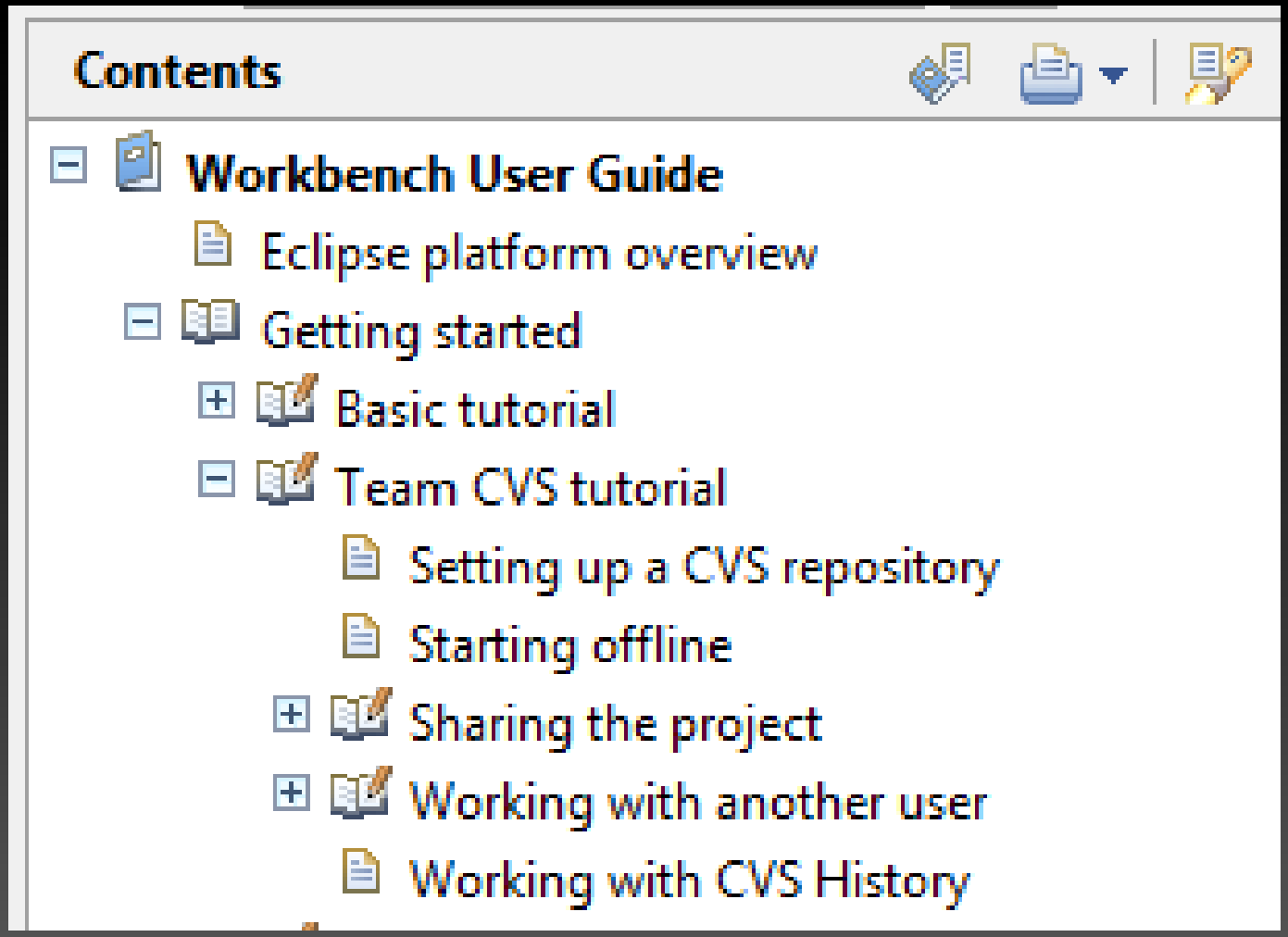


Local workspace/Alice Laptop

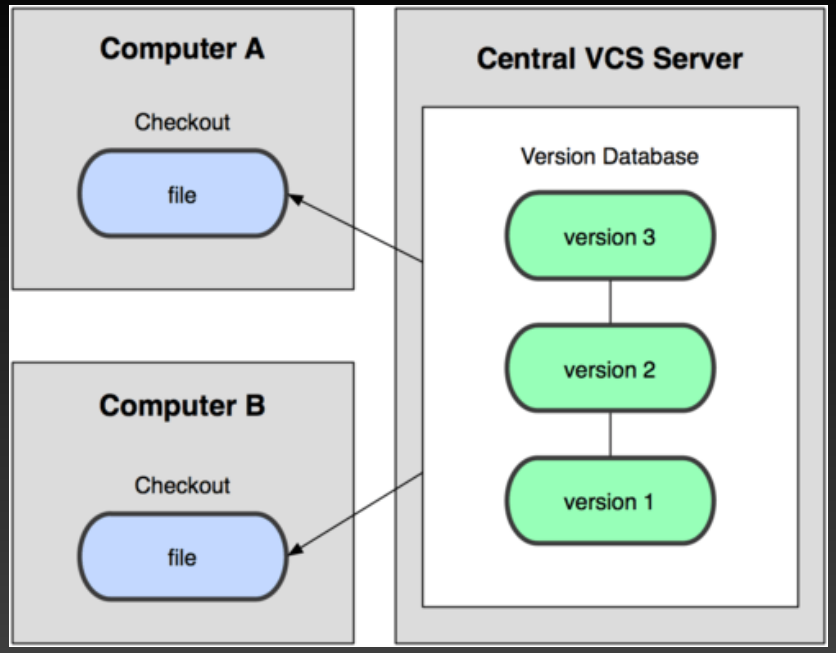
CVS Synchronization Summary

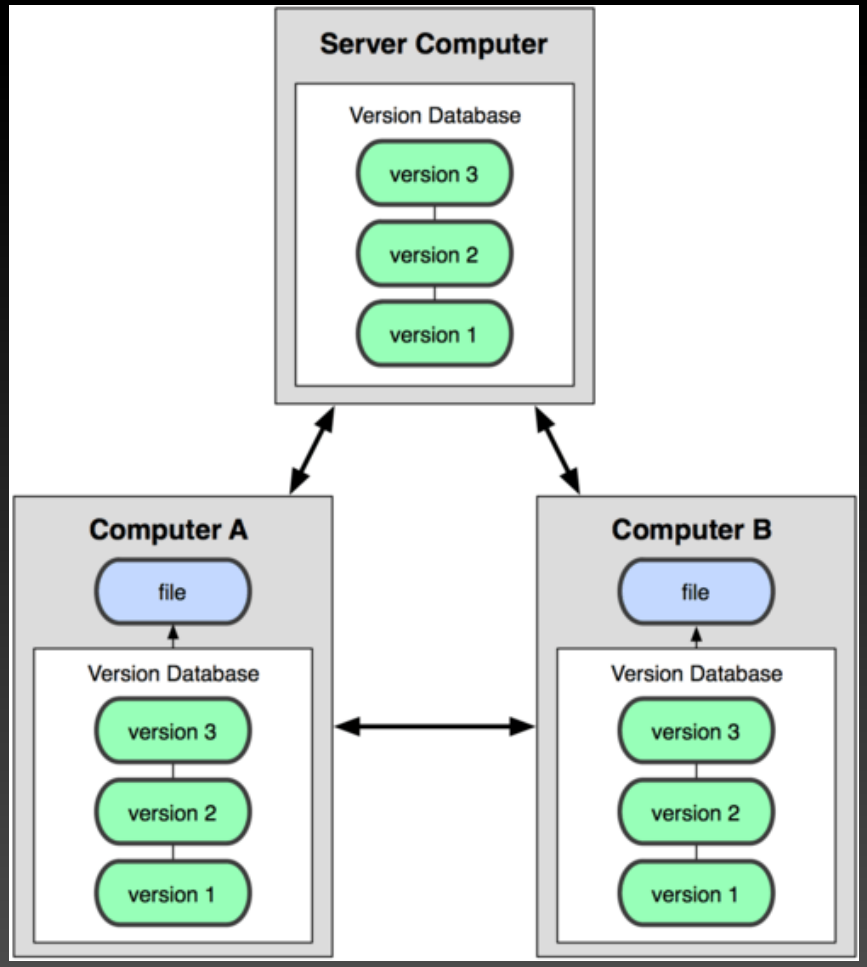
- Check synchronization status (detect conflicts)
- Move files to (commit) and from (update) the repository
- Update version numbers in the repository and local workspaces

Team Plug-In Tutorial



Centralized vs. Distributed VCS

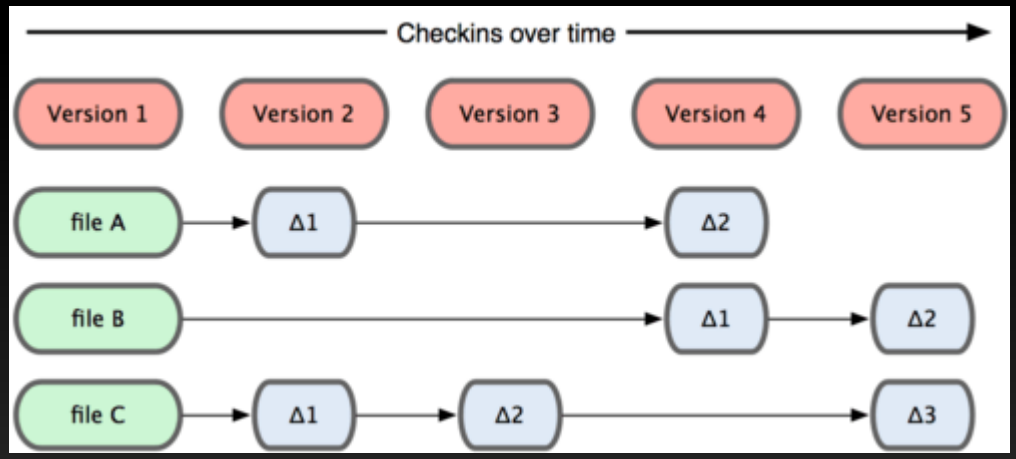




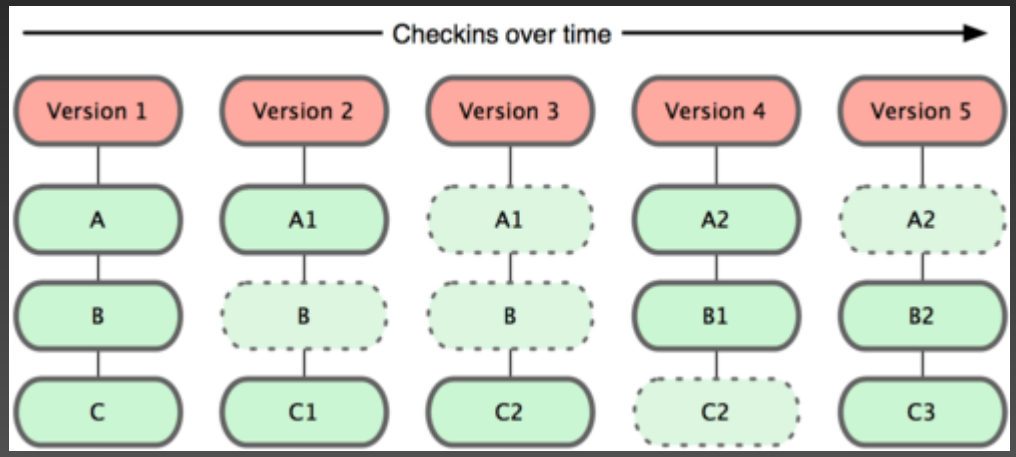
Source: http://www.git-scm.com/book/en

Diffs vs. Snapshots

Diffs (CVS)



Snapshots (Git)



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