

Version control with SVN

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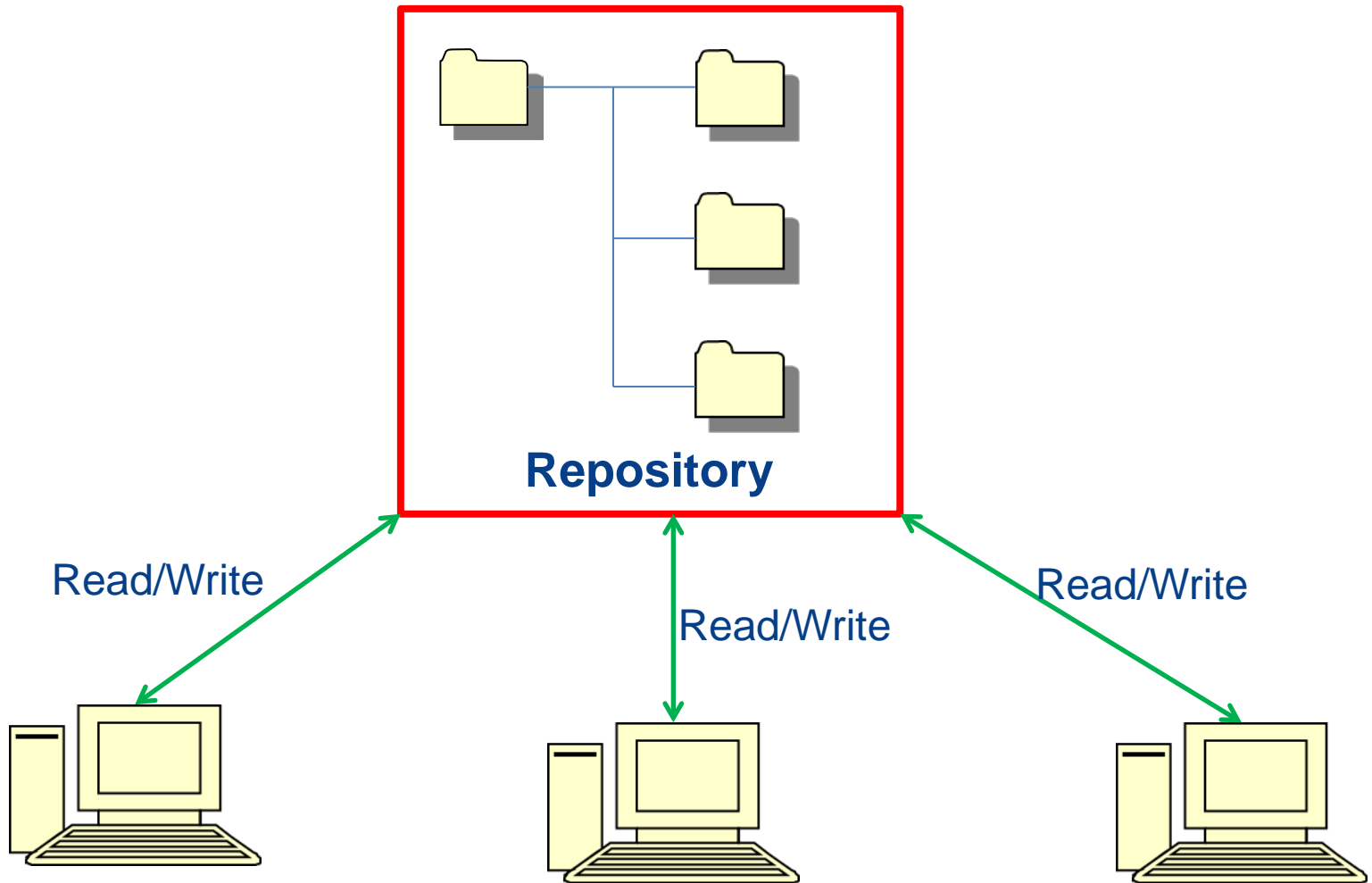


Experts in numerical algorithms
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Client and Server System



Benefits of SVN

- Useful when multiple people are working on the same project
- Simultaneous file editing: SVN can merge changes
- Easy to revert back to any previous version of your files; particularly useful when breaking code
- Easy to see who made what changes and when

More Advanced Topics

- Branching and merging
- Repository 'hooks': e.g. check that code compiles before repository allows an svn commit
- 'Properties': metadata attached to files
- Locking files

Further Reading

- SVN website: <http://subversion.apache.org>
- Online book: <http://svnbook.red-bean.com>
- TortoiseSVN for windows, with nice GUI:
<http://tortoisesvn.net>
- Browser interfaces: Trac <http://trac.edgewall.org> and
ViewVC <http://www.viewvc.org>
- Other version control systems: CVS, Mercurial, Git