

Subversion Worst Practices

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TOP TEN WAYS

to Sabotage your Project...
with Subversion!

10. Argue about Version Control Systems

- Centralized or distributed?
- Make a checklist describing your perfect system!
 - Compare to all systems
 - Repeat this every 3 years
 - Stick to CVS anyway
- Remember, version control is a religion

9. Do a Brute-Force Transition

- Don't test
- Don't train
- Just switch to Subversion ASAP
- Tell users to quit whining
- Toss out existing scripts and tools, start over.

8. Backups? What Backups?

- We've got working copies, after all
- Or, for more fun: backup every night with 'svnadmin dump' instead of hotcopy.

7. Loads of Locales

- Commit interestingly encoded filenames (CJK), don't tell anyone else.
- Hilarity ensues!

6. Rule with an IRON FIST

- Use path-based access control everywhere
 - all of your users are bad children
 - skip the social issues, just put up roadblocks
- Lock everything
 - concurrent edits are dangerous!
 - avoid annoying conflicts
 - avoid annoying communication
 - lock, then go on vacation
 - take sysadmin with you

5. Hide the Version Control

- Your users are too dumb and scared
- Don't waste time teaching
- Write scripts to guess what happened

4. Use Complex Branching Schemes

- Protect the sanctity of the code. At all costs.
- /trunk is holy!
- Give every developer their own branch
 - every change must be on a sub-branch!
- Hire people to merge branches all day.
- Confused? Consult Clearcase manual.
- Tip: create all branches on the client. It's safer.

3. Put Everything in the Repository

- It's just a file server, right?
- Useful things to throw in:
 - object code
 - per-user preference files
 - generated docs
 - ISO images
 - release tarballs

2. Use a Network Drive

- Real server jobs are too hard to configure
- `chmod -R 777 /path/to/repository`
- Everyone use `file:///`
- What could possibly go wrong?

1. Really Clever Hook Scripts!

- Pre-commit:
 - add notes, reformat the code.
 - checkout code, build everything, run tests, then allow commit.
- Post-commit:
 - do another commit.
 - dump the whole repository.

0. Edit the Repository Database

- Can't figure out what to do? Open the repository files in your editor.

[12:01pm] <johndoe> can I modify the age of a tag? we moved from cvs to svn and created tags for our major releases but we'd like the dates on the top directory of those tags to be correct.

[12:02pm] <sussman> johndoe: yes, you can change the svn:date property attached to any revision.

[12:03pm] <johndoe> sussman: I thought I did when i modified the /var/lib/svn/repositories/models/db/reprops/5 file but the trac code browser still shows the tag being 2 days old

[12:03pm] <sussman> johndoe: good lord!
DO NOT edit the repository by hand!

Summary

- Ignore the docs.
- “Pet the Dog Backwards” Technique:
 - close eyes, envision what you want svn to be.
 - force it to be that!

Q&A

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